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| MKRN1 | -1.1207135 | 0.002042 |
| NR3C1 | -1.1543023 | 0.002058 |
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| TNIK | -1.554391 | 0.002059 |
| HSP90AB1 | -2.2811433 | 0.002105 |
| RARRES1 | -2.4146479 | 0.002154 |
| SOD2 | -2.4624418 | 0.002256 |
| CASP1 | -1.710655 | 0.002295 |
| SRP72 | -1.7736261 | 0.002295 |
| RPS6KC1 | -1.342044 | 0.002296 |
| SLC26A2 | -2.0726845 | 0.002388 |
| TCAF1 | -1.3359639 | 0.002393 |
| YLP1M1 | -1.5950206 | 0.002393 |
| TRAM1 | -1.5011193 | 0.002439 |
| ANKLE2 | -1.2837696 | 0.002484 |
| NCOA3 | -1.4419019 | 0.002566 |
| IGLC1 | -3.9603122 | 0.002578 |
| STS | -1.5338199 | 0.002578 |
| BAZ1A | -1.1815157 | 0.002613 |
| FGF13 | -1.7966539 | 0.002613 |
| TNFAIP8 | -2.533184 | 0.002613 |
| IGFALS | 1.0159113 | 0.002703 |
| WIPF1 | -1.4032351 | 0.002703 |
| KIAA0368 | -1.9035898 | 0.002706 |
| ARHGAP12 | -1.4352409 | 0.002774 |
| RAB3GAP1 | -1.5283786 | 0.002868 |
| ETV1 | -1.7964073 | 0.002887 |
| LAMB1 | -1.6292665 | 0.002936 |
| LPGAT1 | -1.9563161 | 0.002936 |
| GOLIM4 | 1.0640358 | 0.002938 |
| HTATIP2 | -1.1475225 | 0.002943 |
| PDLIM5 | -1.8912222 | 0.002943 |
| PXDN | -2.0173965 | 0.002943 |
| RPA1 | -1.7495263 | 0.003072 |
| SCRN1 | -1.5611008 | 0.003115 |
| EP400 | -1.2904337 | 0.003176 |
| IGKC | -2.6543886 | 0.003176 |
| ENAH | -1.3399303 | 0.003184 |
| IFNGR1 | -2.0932827 | 0.003193 |
| ABI1 | -1.2615931 | 0.003234 |
| BRD7 | -1.4844849 | 0.003234 |
| GRIP2 | 1.0437909 | 0.003234 |
| PHACTR2 | -1.4635497 | 0.003234 |
| ATRX | -1.8941633 | 0.003246 |
| C5orf22 | -1.2885143 | 0.003277 |
| FAS | -1.1739061 | 0.003277 |
| IGLV1-44 | -3.1583306 | 0.003277 |
| MSH2 | -1.2734072 | 0.003277 |
| TNFAIP8 | -2.2662957 | 0.003277 |
| ASCC3 | -1.0299833 | 0.003332 |
| COL4A1 | -1.5658965 | 0.003458 |
| DERL1 | -1.9590601 | 0.003488 |
| MTF2 | -1.1991889 | 0.003488 |
| TFPI2 | -3.5772902 | 0.003488 |
| DDX60 | -1.4795062 | 0.003499 |
| DNAJC10 | -1.2727258 | 0.003499 |
| KPNA1 | -1.0292844 | 0.003499 |
| TM9SF2 | -1.5902 | 0.003499 |
| EFHC1 | -1.1722652 | 0.003523 |
| SOD2 | -1.7836419 | 0.00357 |
| FZD7 | -1.4775041 | 0.003615 |
| HLA-DQB1 | -1.2327299 | 0.003643 |
| COL4A1 | -2.4442927 | 0.003695 |
| RASA1 | -2.0939454 | 0.003695 |
| C2CD2 | -1.0322745 | 0.003701 |
| EXT2 | -1.0595713 | 0.003701 |
| FAS | -1.6372955 | 0.003701 |
| FSTL1 | -1.8041537 | 0.003701 |
| NROB2 | 1.2841215 | 0.003701 |
| SNW1 | -1.4709982 | 0.003701 |
| TP53BP2 | -1.122633 | 0.003701 |
| USP6NL | -1.1978489 | 0.003701 |
| NCK1 | -1.2009558 | 0.003708 |
| SGPL1 | -1.2674334 | 0.003708 |
| TRRAP | -1.3102026 | 0.003708 |
| CKAP2 | -1.2773616 | 0.003736 |
| TMCC1 | -1.2381981 | 0.003736 |
| LAPTM5 | -2.8493789 | 0.003766 |
| MGAT2 | -1.6072141 | 0.003799 |
| UBE2V1 | -1.0104352 | 0.003799 |
| SQLE | -1.9177182 | 0.003815 |
| ST3GAL4 | 1.0091257 | 0.003815 |
| CDH6 | -2.3375857 | 0.003818 |
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| SMRT | 0.030282205 |
| GATA3 | 0.030282205 |
| AR | 0.030282205 |
| FOXA1 | 0.030282205 |
| STAT3 | 0.033003209 |
| CBP | 0.033387272 |
| E2F1 | 0.034035532 |
| ELF5 | 0.036080102 |
| CEBPB | 0.037480131 |
| KDM2B | 0.037480131 |
| TAL1 | 0.047544294 |
| SOX2 | 0.047544294 |
| NANOG | 0.047544294 |

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| TNK2 | 0.025711951 |
| SRC | 0.026886698 |
| IRAK1 | 0.030907673 |
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| ATR | 0.032476878 |
| MAPKAPK5 | 0.035299734 |
| MARK3 | 0.035299734 |
| RAF1 | 0.035299734 |
| FGFR3 | 0.039281051 |
| GRK5 | 0.039281051 |
| PAK4 | 0.039281051 |
| VRK1 | 0.039281051 |
| MAP2K2 | 0.044318551 |
| MAP3K7 | 0.048697468 |
| MTOR | 0.049693857 |

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| hsa-miR-4759 | 5.49599E-07 |
| hsa-miR-4506 | 5.65782E-07 |
| hsa-miR-3659 | 6.07725E-07 |
| hsa-miR-219-1-3p | 6.41183E-07 |
| hsa-miR-486-5p | 6.73612E-07 |
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| hsa-miR-4764-3p | 1.03671E-06 |
| hsa-miR-2964a-5p | 1.09812E-06 |
| hsa-miR-556-5p | 1.24665E-06 |
| hsa-miR-3681 | 1.48798E-06 |
| hsa-miR-3200-3p | 2.38305E-06 |
| hsa-miR-3651 | 2.99767E-06 |
| hsa-miR-4798-3p | 3.30638E-06 |
| hsa-miR-3935 | 3.63409E-06 |
| hsa-miR-4460 | 3.75308E-06 |
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| hsa-miR-4718 | 9.89148E-06 |
| hsa-miR-3162-3p | 1.18534E-05 |
| hsa-miR-3150a-5p | 1.51929E-05 |
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| hsa-miR-4714-3p | 1.76931E-05 |
| hsa-miR-3529 | 2.9721E-05 |
| hsa-miR-379 | 2.9721E-05 |
| hsa-miR-4327 | 3.61261E-05 |
| hsa-miR-4772-5p | 3.96642E-05 |
| hsa-miR-1225-5p | 4.59659E-05 |
| hsa-miR-4540 | 4.59659E-05 |
| hsa-miR-487b | 5.14489E-05 |
| hsa-miR-548ad | 5.32653E-05 |
| hsa-miR-503 | 5.50197E-05 |
| hsa-miR-4317 | 5.88722E-05 |
| hsa-miR-196a | 6.0686E-05 |
| hsa-miR-196b | 6.0686E-05 |
| hsa-miR-521 | 6.75045E-05 |
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| hsa-miR-598 | 8.66712E-05 |
| hsa-miR-192 | 8.94641E-05 |
| hsa-miR-215 | 8.94641E-05 |
| hsa-miR-103b | 0.000111952 |
| hsa-miR-1537 | 0.0002122 |
| hsa-miR-621 | 0.000215894 |
| hsa-miR-553 | 0.000264535 |
| hsa-miR-509-3p | 0.000411486 |
| hsa-miR-2277-3p | 0.000420543 |
| hsa-miR-4715-5p | 0.000420543 |
| hsa-miR-3622a-5p | 0.000492901 |
| hsa-miR-3115 | 0.000656993 |
| hsa-miR-3676 | 0.000699021 |
| hsa-miR-1468 | 0.000745862 |
| hsa-miR-4535 | 0.001272939 |
| hsa-miR-515-3p | 0.001272939 |
| hsa-miR-519e | 0.001272939 |
| hsa-miR-518a-3p | 0.001352676 |
| hsa-miR-518b | 0.001352676 |
| hsa-miR-518c | 0.001352676 |
| hsa-miR-518d-3p | 0.001352676 |
| hsa-miR-518f | 0.001352676 |
| hsa-miR-4798-5p | 0.001380385 |
| hsa-miR-645 | 0.001656201 |
| hsa-miR-574-3p | 0.001908993 |
| hsa-miR-4757-3p | 0.001954518 |
| hsa-miR-4681 | 0.00224857 |
| hsa-miR-4727-3p | 0.002468567 |
| hsa-miR-887 | 0.002610449 |
| hsa-miR-601 | 0.002727583 |
| hsa-miR-4790-5p | 0.004493188 |
| hsa-miR-554 | 0.004568489 |
| hsa-miR-4661-3p | 0.004763655 |
| hsa-miR-95 | 0.004763655 |
| hsa-miR-191 | 0.0049528 |
| hsa-miR-3619-3p | 0.005249411 |
| hsa-miR-296-3p | 0.006325071 |
| hsa-miR-3669 | 0.007164017 |
| hsa-miR-3132 | 0.007246985 |
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| hsa-miR-933 | 0.007312331 |
| hsa-miR-3610 | 0.007338543 |
| hsa-miR-4732-5p | 0.007410139 |
| hsa-miR-324-5p | 0.007835105 |
| hsa-miR-2909 | 0.008315483 |
| hsa-miR-4776-5p | 0.009342834 |
| hsa-miR-548al | 0.009912229 |
| hsa-miR-4462 | 0.011939341 |

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| CSTF3 | -1.0304966 | 0.003818 |
| COL3A1 | -2.9052288 | 0.003826 |
| HLA-DPA1 | -2.1926953 | 0.003826 |
| HLA-DQB1 | -1.9882949 | 0.003826 |
| IFI44 | -1.6946685 | 0.003826 |
| RTN3 | -1.5048064 | 0.003826 |
| TCF15 | 1.1709654 | 0.003826 |
| EIF5B | -1.3368874 | 0.003829 |
| ATP5I | 1.1651863 | 0.004019 |
| LRIG1 | -1.5600197 | 0.004019 |
| VCAN | -2.7609037 | 0.004019 |
| GNB1 | -1.3399615 | 0.00402 |
| NBPF20 | -1.1409226 | 0.00402 |
| QKI | -1.1425801 | 0.00402 |
| SOX9 | -2.1467801 | 0.00402 |
| PROM1 | -3.4105509 | 0.004075 |
| SIRT2 | 1.0081186 | 0.004075 |
| ASPH | -1.7553268 | 0.004091 |
| AAMDC | 1.1809461 | 0.004105 |
| PCGF2 | 1.0549046 | 0.004105 |
| PAXIP1 | -1.1918911 | 0.00415 |
| MEX3C | -1.6166057 | 0.004186 |
| SOD2 | -1.2640874 | 0.004186 |
| ABHD2 | -1.1919399 | 0.004221 |
| AGRN | 1.0818153 | 0.004221 |
| EFNB2 | -1.7018984 | 0.004221 |
| LTF | -4.3511634 | 0.004221 |
| MSH6 | -1.3986713 | 0.004221 |
| TASP1 | -1.3443737 | 0.004221 |
| ZNF318 | -1.229267 | 0.004221 |
| ANOS1 | -1.0627738 | 0.004225 |
| BICC1 | -1.4286288 | 0.004233 |
| DENND4C | -1.3522945 | 0.004233 |
| DRAM1 | -1.0889916 | 0.004233 |
| LDLRAD4 | -1.4704929 | 0.004233 |
| PRDM10 | -1.3218962 | 0.004233 |
| CASP8AP2 | -1.5163569 | 0.004247 |
| CCR2 | -2.2408509 | 0.004247 |
| CLU | -2.3690171 | 0.004247 |
| NLGN4X | -1.5000929 | 0.004247 |
| POLE3 | -1.5174736 | 0.004247 |
| VCAN | -3.0887511 | 0.004247 |
| BBX | -1.317699 | 0.004251 |
| GALNT1 | -1.2338616 | 0.004251 |
| IL7 | -1.3521431 | 0.004251 |
| MAP4K4 | -1.3313923 | 0.004251 |
| TPM1 | -1.5192387 | 0.004251 |
| RBMS1 | -1.1986506 | 0.004267 |
| IL13RA1 | -1.1462428 | 0.004302 |
| ANXA1 | -2.6029907 | 0.004326 |
| SYNJ2 | 1.1121926 | 0.004326 |
| NOTCH2 | -1.1164455 | 0.004344 |
| PDIA3 | -1.4027553 | 0.004358 |
| MAP4K5 | -1.1740376 | 0.004398 |
| NAP1L1 | -1.6637267 | 0.004398 |
| NDUFA3 | 1.2547464 | 0.004398 |
| PLEKHA1 | -1.2918192 | 0.004398 |
| PSMB9 | -1.5363108 | 0.004398 |
| CLU | -2.287526 | 0.004408 |
| GNAI3 | -1.1735626 | 0.004408 |
| MYC | -1.3255225 | 0.004408 |
| PTPRF | -1.3333171 | 0.004408 |
| EVI2B | -2.8154097 | 0.004418 |
| NBEA | -1.1783863 | 0.004418 |
| RRN3 | -1.198558 | 0.004418 |
| VCAN | -3.6673386 | 0.004418 |
| CLTB | 1.0382288 | 0.004432 |
| PDLIM5 | -1.065412 | 0.004451 |
| MS4A4A | -2.5541579 | 0.004488 |
| GNAQ | -1.1163732 | 0.004498 |
| BET1 | -1.5649281 | 0.004545 |
| FZD1 | -1.6800727 | 0.004565 |
| RAD17 | -1.1211813 | 0.004565 |
| SPTLC2 | -1.2143966 | 0.004565 |
| RPAP3 | -1.4921514 | 0.004647 |
| ZNF358 | 1.0568887 | 0.004667 |
| ANXA2 | -1.7654334 | 0.004668 |
| ATM | -1.1003776 | 0.004668 |
| DNAJC10 | -1.1708588 | 0.004668 |
| ELK3 | -1.9812509 | 0.004668 |
| RBM12 | -1.4742264 | 0.004668 |
| TMEM248 | -1.2518775 | 0.004699 |
| MBTPS1 | -1.1863476 | 0.004847 |
| KIF2A | -1.3202984 | 0.004912 |

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| hsa-miR-4315 | 0.012987005 |
| hsa-miR-3655 | 0.013039286 |
| hsa-miR-891a | 0.013241865 |
| hsa-miR-518e | 0.014399796 |
| hsa-miR-100 | 0.015632382 |
| hsa-miR-99a | 0.015632382 |
| hsa-miR-99b | 0.015632382 |
| hsa-miR-337-5p | 0.022830889 |
| hsa-miR-517a | 0.026671236 |
| hsa-miR-517c | 0.026671236 |
| hsa-miR-718 | 0.029138971 |
| hsa-miR-4636 | 0.031056999 |
| hsa-miR-4671-5p | 0.031706829 |
| hsa-miR-4278 | 0.035284322 |
| hsa-miR-1306 | 0.035521944 |
| hsa-miR-4259 | 0.04239058 |
| hsa-miR-451 | 0.043732795 |
| hsa-miR-1282 | 0.04438888 |
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| hsa-miR-1277 | 0.049572582 |

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| ATP13A3 | -1.2793751 | 0.004914 |
| C3 | -3.1408763 | 0.004914 |
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| HRG | 1.0459043 | 0.004914 |
| MYOF | -1.9283448 | 0.004914 |
| PAIP1 | -1.2711274 | 0.004914 |
| SNAPC2 | 1.0280098 | 0.004914 |
| SOX4 | -2.9459023 | 0.004914 |
| SSR1 | -1.3226499 | 0.004914 |
| ANXA5 | -1.6699248 | 0.00498 |
| CDK16 | 1.0549444 | 0.00498 |
| CTSS | -1.9748457 | 0.00498 |
| PSD3 | -1.7874647 | 0.00498 |
| MAGI2 | 1.0156313 | 0.005013 |
| ANXA2 | -1.7335437 | 0.005063 |
| ZZZ3 | -1.2115266 | 0.005066 |
| PON2 | -2.2221447 | 0.005099 |
| CXADR | -1.6783224 | 0.00512 |
| DVL3 | -1.3271026 | 0.00512 |
| HLA-DRA | -1.9208184 | 0.00512 |
| TJUSC3 | -1.8466014 | 0.00512 |
| IKBKB | -1.1754668 | 0.005156 |
| PRKRA | -1.4446224 | 0.005156 |
| FOLR3 | 1.0610039 | 0.005166 |
| ARFGAP3 | -1.7584924 | 0.005178 |
| SPHAR | -1.3430613 | 0.005178 |
| MYOF | -1.3552782 | 0.005207 |
| RANBP2 | -1.3008973 | 0.005207 |
| LAMC1 | -1.1735804 | 0.005217 |
| NENF | 1.1807659 | 0.005239 |
| PER1 | 1.177247 | 0.005281 |
| SMC3 | -1.3532494 | 0.005281 |
| SLC2A10 | -1.6338125 | 0.005423 |
| CASP1 | -1.4301758 | 0.005483 |
| RBMS1 | -1.6353907 | 0.005483 |
| TBK1 | -1.0978664 | 0.005483 |
| STAT1 | -1.3621824 | 0.005513 |
| CEP350 | -1.444141 | 0.005526 |
| DSE | -1.5373786 | 0.005526 |
| MED17 | -1.4090344 | 0.005526 |
| AP1S1 | 1.0735405 | 0.005539 |
| COX7A1 | 1.6916444 | 0.005539 |
| CSNK1A1 | -1.1774084 | 0.005539 |
| GALNT1 | -1.2670865 | 0.005539 |
| GNG12 | -1.2888948 | 0.005539 |
| KDEL2 | -1.1078277 | 0.005539 |
| MSN | -1.1145142 | 0.005539 |
| NR4A3 | 2.041651 | 0.005539 |
| PLAA | -1.3857828 | 0.005539 |
| SKAP2 | -1.7019233 | 0.005539 |
| TMEM131 | -1.7450419 | 0.005539 |
| ZNF107 | -1.0834558 | 0.005539 |
| C1RL | -1.3616414 | 0.005637 |
| CDC16 | -1.7830181 | 0.005637 |
| COL1A2 | -2.764819 | 0.005637 |
| IQGAP1 | -1.4468699 | 0.005637 |
| KDEL2 | -1.4044016 | 0.005637 |
| M6PR | -1.4471719 | 0.005637 |
| RBMS1 | -1.2190204 | 0.005637 |
| TNFAIP2 | -1.4481708 | 0.005637 |
| TUG1 | -1.0486557 | 0.005637 |
| YBX3 | -1.2190701 | 0.005637 |
| HLA-DQB1 | -1.0378039 | 0.005684 |
| ABLIM1 | -1.274267 | 0.005705 |
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| APMAP | -1.027042 | 0.005705 |
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| HDAC9 | -1.1069942 | 0.005705 |
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| TAF1A | -1.0326662 | 0.005705 |
| TNFSF10 | -1.2618608 | 0.005705 |
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| ANXA2 | -1.6946142 | 0.005709 |
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| GALNT7 | -1.3935073 | 0.005724 |
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| SMAD4 | -1.5071827 | 0.005732 |
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| ATP9A | -1.3040044 | 0.005807 |
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| PRPF40A | -1.3275377 | 0.005807 |
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| QTRT2 | -1.08895 | 0.005811 |
| TPBG | -1.5928202 | 0.005811 |
| PKN2 | -1.184844 | 0.005846 |
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| SRR | -1.0563722 | 0.005856 |
| TSR1 | -1.2404202 | 0.005856 |
| BUB3 | -1.257017 | 0.005919 |
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| PTBP3 | -1.552453 | 0.005919 |
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| HEATR1 | -1.1804477 | 0.005963 |
| TRAF3 | -1.3329736 | 0.006064 |
| HMG20A | -1.6154884 | 0.006101 |
| ADAM10 | -1.3109197 | 0.006108 |
| APOBEC3G | 1.0315206 | 0.006113 |
| TRIM16 | -1.0160515 | 0.006129 |
| MNDA | -1.7723864 | 0.006156 |
| FZD6 | -1.6123121 | 0.006168 |
| B4GALT5 | -1.5443779 | 0.006177 |
| SPATA2L | 1.3458935 | 0.006177 |
| ITGAM | -1.5537522 | 0.006181 |
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| CCNB1 | -1.2008196 | 0.006222 |
| CFHR1 | -1.7886084 | 0.006254 |
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| MALT1 | -1.6486401 | 0.006254 |
| NHLRC2 | -1.2235481 | 0.006254 |
| SACS | -1.2313413 | 0.006254 |
| SULF1 | -2.1191937 | 0.006254 |
| TPM1 | -1.9796307 | 0.006263 |
| YWHAH | -1.3470866 | 0.006314 |
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| FGL2 | -1.6045764 | 0.006328 |
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| MAP7D3 | -1.0516693 | 0.006999 |
| PRKY | -1.7027667 | 0.006999 |
| VIM | -2.9831006 | 0.007011 |
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| CCND2 | -1.7610559 | 0.007084 |
| CD2AP | -1.4722767 | 0.007125 |
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| TUBB | -1.3895633 | 0.007284 |
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| HLA-G | -1.1986728 | 0.00881 |
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| PTP4A2 | -1.087125 | 0.008937 |
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| HLA-DMA | -1.4497242 | 0.009194 |
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| ZNF652 | -1.7883649 | 0.009196 |
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| HLA-E | -1.3344757 | 0.009535 |
| NUDT3 | -1.4737661 | 0.009561 |
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| PDIA4 | -1.130373 | 0.009837 |
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| TRAM2 | -1.2335811 | 0.009968 |
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| TFPI2 | -1.8466307 | 0.010367 |
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| HLA-DRA | -1.9831544 | 0.010409 |
| RAB14 | -1.6069813 | 0.010452 |
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| KPNA1 | -1.0301231 | 0.010852 |
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| MAGED4B | -1.0640528 | 0.011316 |
| HSPA5 | -1.4850448 | 0.011322 |
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| ZNF148 | -1.2814957 | 0.011721 |
| RCN1 | -1.3184957 | 0.011749 |
| CDC7 | -1.1861212 | 0.011756 |
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| HLA-B | -1.2006468 | 0.011762 |
| COIL | -1.1496005 | 0.011793 |
| NR2F2 | -1.4830441 | 0.011793 |
| SLC35E2B | -1.2441461 | 0.011793 |
| TANK | -1.3699046 | 0.011793 |
| CEL | 1.2978241 | 0.011797 |
| TMEM30A | -1.902575 | 0.011804 |
| ELF1 | -1.1561098 | 0.01181 |
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| DNAJB14 | -1.2287642 | 0.011824 |
| LCP2 | -1.5861545 | 0.011828 |
| VCL | -1.2472207 | 0.011833 |
| IFI16 | -1.4837901 | 0.011842 |
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| UBE3A | -1.0654956 | 0.011854 |

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| CRKL | -1.1590201 | 0.011882 |
| CUL2 | -1.0731993 | 0.011882 |
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| KDM5B | -1.3481087 | 0.012506 |
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| MPZL2 | -1.2593363 | 0.012581 |
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| TMEM243 | -1.2305812 | 0.012657 |
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| FEM1C | -1.1697327 | 0.012821 |
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| RAD21 | -1.2336694 | 0.012873 |
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| LAPTM4B | -1.3986527 | 0.013006 |
| PROC | 1.8300574 | 0.013006 |
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| CELF2 | -1.4452272 | 0.013136 |
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| COL6A3 | -2.3186457 | 0.013212 |
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| TOMM20 | -1.3813071 | 0.013212 |
| ERAP1 | -1.212105 | 0.013222 |
| SPG21 | -1.0235369 | 0.013258 |
| ATR | -1.1688768 | 0.013333 |
| RAI2 | -1.0243262 | 0.013405 |
| CASP4 | -1.2143109 | 0.013447 |
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| EIF3B | -1.1211574 | 0.01346 |
| PPM1D | -1.2487511 | 0.013501 |
| GCOM1 | -1.1052336 | 0.013504 |
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| GBP1 | -1.3442202 | 0.013511 |
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| FAM129A | -1.260539 | 0.013543 |
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| TGM2 | -1.5523005 | 0.013588 |
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| PTPN11 | -1.0975805 | 0.013699 |
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| MNS1 | -1.2922326 | 0.013795 |
| FAM3C | -1.3848742 | 0.013844 |
| NENF | 1.0197927 | 0.013906 |
| APOBEC3G | -1.6735169 | 0.013915 |
| PRRC2C | -1.0791674 | 0.013915 |
| WDR44 | -1.1005855 | 0.013915 |
| TNFAIP6 | -1.4082441 | 0.013925 |
| APLP2 | -1.777377 | 0.013958 |
| LAPTM4A | -1.0088943 | 0.014025 |
| EFNB2 | -1.2814487 | 0.014026 |
| UBE3A | -1.0912742 | 0.014058 |
| ACTR3 | -1.5684845 | 0.014082 |
| NUP160 | -1.3410551 | 0.014082 |
| SYK | -1.0213418 | 0.014082 |
| WASF3 | -1.0298574 | 0.01414 |
| TGFB2 | -1.1789731 | 0.014331 |
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| NENF | 1.1076222 | 0.01439 |
| TRIM37 | -1.0625655 | 0.014403 |
| OPCML | 1.007744 | 0.014412 |
| LEPROT | -1.4237481 | 0.01442 |
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| KRIT1 | -1.3839647 | 0.01447 |
| B4GALT4 | -1.2737114 | 0.014519 |
| CLDND1 | -1.0212318 | 0.014537 |
| CMPK1 | -1.2761732 | 0.014545 |
| TTC3P1 | -1.6548389 | 0.014545 |
| BPTF | -1.0117256 | 0.014557 |
| FHL1 | -1.7006331 | 0.014557 |
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| NEDD4 | -1.2682347 | 0.014557 |
| HLA-F | -1.0108605 | 0.01458 |
| MARCKS | -1.3717806 | 0.01458 |
| CNN3 | -1.5591255 | 0.014583 |
| EOGT | -1.1572365 | 0.014583 |
| NT5E | -1.066132 | 0.014583 |
| FAS | -1.1724973 | 0.014624 |
| MLEC | -1.1166168 | 0.014627 |
| RP2 | -1.0024322 | 0.014632 |
| NRBF2 | -1.2425022 | 0.01466 |
| B4GALT5 | -1.1486392 | 0.014675 |
| SYNJ2 | -1.0158587 | 0.014675 |
| ARID4B | -1.114845 | 0.014683 |
| ITSN1 | -1.1597878 | 0.014734 |
| CHL1 | -1.570679 | 0.014768 |
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| APAF1 | -1.0785823 | 0.01482 |
| APOBEC3B | -1.0800499 | 0.01482 |
| HCLS1 | -1.5872291 | 0.014836 |
| OXR1 | -1.5388261 | 0.014862 |
| HLA-E | -1.2469553 | 0.014876 |
| MALT1 | -1.1486007 | 0.014881 |
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| DPM3 | 1.2727982 | 0.015103 |
| FNBP1 | -1.1524199 | 0.015108 |
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| MBD4 | -1.5534631 | 0.015257 |
| CCNT2 | -1.0472708 | 0.015278 |
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| ICAM1 | -1.1775243 | 0.015319 |
| F2RL1 | -1.5490783 | 0.015359 |
| PRELID3B | -1.6801203 | 0.015359 |
| MAPKAPK5 | -1.0785814 | 0.015433 |
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| CASP6 | -1.0207963 | 0.015666 |
| IGK | -2.2463816 | 0.015675 |
| PON3 | 1.0039318 | 0.015707 |
| THY1 | 1.4578197 | 0.015707 |
| SERPINA3 | -2.2755242 | 0.015708 |
| ACTB | -1.1662038 | 0.015718 |
| MS4A6A | -1.5679775 | 0.015726 |
| CANX | -1.0397395 | 0.015803 |
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| NFATC3 | -1.0959641 | 0.015919 |
| ITGA6 | -1.0094986 | 0.015921 |
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| USO1 | -1.7190103 | 0.015951 |
| VTCN1 | -1.6973651 | 0.015951 |
| THBS2 | -2.1162424 | 0.015991 |
| SLC38A2 | -1.5971591 | 0.016009 |
| TNFRSF11B | -1.4031177 | 0.016022 |
| TXN2 | 1.0147851 | 0.016022 |
| COG5 | -1.0158353 | 0.016035 |
| ILF2 | -1.6830756 | 0.016035 |
| CSGALNACT2 | -1.0102022 | 0.016132 |
| ARHGAP29 | -1.63603 | 0.016247 |
| ROGDI | 1.0712786 | 0.016247 |
| KPNA2 | -1.4125396 | 0.016253 |
| NAP1L1 | -1.2027347 | 0.016314 |
| MED14 | -1.4251689 | 0.016539 |
| SNHG4 | -1.2505139 | 0.016539 |
| PCMTD2 | -1.2673434 | 0.016546 |
| BNIP3L | -1.3477806 | 0.016565 |
| PSAP | -1.6577879 | 0.016623 |
| WFDC2 | -1.3390266 | 0.016646 |
| ACSL3 | -1.1449984 | 0.016762 |
| HTATIP2 | -1.0256962 | 0.016787 |
| STK38L | -1.0151748 | 0.016787 |
| LUM | -2.2475242 | 0.016805 |
| KCTD12 | -1.9427004 | 0.016828 |
| KPNA3 | -1.4020897 | 0.016899 |
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| CARMIL1 | -1.3755877 | 0.016923 |
| AGA | -1.1126099 | 0.01707 |
| ATG12 | -1.6098753 | 0.01707 |
| AHR | -1.0698318 | 0.017087 |
| BTN3A2 | -1.1083453 | 0.017118 |
| MORF4L1 | -1.1934233 | 0.017118 |
| CDK10 | 1.0180877 | 0.017121 |
| SPON2 | -1.403733 | 0.017221 |
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| SLC4A1 | 1.2419729 | 0.017309 |
| NAMPT | -1.455265 | 0.017322 |
| TMEM123 | -1.4525429 | 0.017351 |
| TNPO1 | -1.2229843 | 0.017392 |
| UBD | -1.2021553 | 0.017395 |
| ITFG1 | -1.4234232 | 0.017399 |
| HNRNPK | -1.1257145 | 0.017416 |
| XPNPEP1 | -1.3300162 | 0.017432 |
| ANXA4 | -1.3582682 | 0.017499 |
| CRNL1 | -1.1139797 | 0.017499 |
| MBNL1 | -1.0182214 | 0.017499 |
| SELL | -1.5769535 | 0.017514 |
| PDGFRA | -1.7994814 | 0.017517 |
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| VCAN | -1.5454001 | 0.017544 |
| CDKN1B | -1.3324772 | 0.017602 |
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| ZFAND1 | -1.1111882 | 0.017602 |
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| LPL | 1.576311 | 0.017745 |
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| ABHD14A | 1.3508723 | 0.018074 |
| HLA-E | -1.0162018 | 0.018074 |
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| HSP90AB1 | -1.3279104 | 0.018096 |
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| GPC4 | -1.0514252 | 0.01826 |
| GCNT3 | -1.0161525 | 0.018295 |
| TUBA1B | -1.314398 | 0.018295 |
| KLRB1 | -1.2453041 | 0.018339 |
| MAPK1 | -1.1214834 | 0.018339 |
| EPB41L2 | -1.103796 | 0.018373 |
| PGK1 | -2.2357099 | 0.018436 |
| SRSF10 | -1.1764872 | 0.018436 |
| PNMA2 | -1.4358424 | 0.018443 |
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| TCAF1 | -1.2522237 | 0.018459 |
| PPP1R1A | 1.2638916 | 0.018516 |
| MAN2A1 | -1.258665 | 0.01857 |
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| TMED10 | -1.2564501 | 0.01857 |
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| MDM1 | -1.2008894 | 0.018573 |
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| CCZ1B | -1.230041 | 0.018733 |
| ACOT11 | 1.2120855 | 0.018915 |
| NDUFB7 | 1.4958653 | 0.018924 |
| RNASE4 | -1.4132712 | 0.018981 |
| CD69 | -1.9032285 | 0.019001 |
| FASTKD2 | -1.1012111 | 0.019001 |
| RAB31 | -1.1585618 | 0.019066 |
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| SLC16A7 | 1.2657549 | 0.019116 |
| DIEXF | -1.0654718 | 0.019118 |
| SEC11A | -1.009322 | 0.019193 |
| TSN | -1.0688143 | 0.019317 |
| PLA2G4A | -1.2205065 | 0.019403 |
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| KRT19 | -1.6611381 | 0.020133 |
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| HLA-DPA1 | -1.2352714 | 0.02026 |
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| TMX4 | -1.047184 | 0.02026 |
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| LRPPRC | -1.1500243 | 0.02038 |
| DARS | -1.1805732 | 0.020458 |
| REST | -1.1252477 | 0.020552 |
| SYNE2 | -1.1737377 | 0.020552 |
| TUBA1A | -1.1712036 | 0.020552 |
| SMARCA2 | -1.3310315 | 0.020694 |
| RAB31 | -1.2482047 | 0.020773 |
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| NAMPT | -1.5352448 | 0.02082 |
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| FLII | -1.1745736 | 0.02087 |
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| CASD1 | -1.4825514 | 0.021177 |
| MTUS1 | -1.2633408 | 0.021184 |

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| GPNUMB | -1.6194187 | 0.021299 |
| SEL1L3 | -1.4705114 | 0.021322 |
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| TUG1 | -1.1088831 | 0.021549 |
| RCHY1 | -1.9213412 | 0.021562 |
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| FAM60A | -1.1769482 | 0.021732 |
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| NDUFS8 | 1.0991152 | 0.021802 |
| ANKRA2 | -1.0372833 | 0.021812 |
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| MAP4K3 | -1.6691871 | 0.021966 |
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| CAPN7 | -1.1493601 | 0.022151 |
| NAP1L1 | -1.0987592 | 0.022247 |
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| ABCB1 | -1.5510294 | 0.022384 |
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| GP1R1 | 1.0107339 | 0.022723 |
| TNFRSF11B | -1.4049785 | 0.022723 |
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| PPP3CA | -1.1660715 | 0.022735 |
| EGF | 1.8194354 | 0.022764 |
| EFEMP1 | -1.1740615 | 0.022766 |
| TIMP1 | -1.7375773 | 0.022766 |
| LRMP | -1.2338578 | 0.022773 |
| TTC19 | -1.1689772 | 0.02279 |
| SNX10 | -1.2462116 | 0.022796 |
| BHLHE41 | -1.3056015 | 0.022854 |
| STK39 | -1.0139211 | 0.022854 |
| UBE2G1 | -1.4931507 | 0.022957 |
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| PDLIM5 | -1.086106 | 0.022978 |
| ADGRL2 | -1.2172719 | 0.023214 |
| SPP1 | -1.396654 | 0.023228 |
| SRGN | -1.5522661 | 0.023237 |
| HOPX | -2.4730656 | 0.023254 |
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| TRIL | -1.0012574 | 0.023304 |
| HTR2B | -1.9128795 | 0.023367 |
| AURKAIP1 | 1.0096238 | 0.023419 |
| UBE2D3 | -1.0765758 | 0.023493 |
| SH3GLB1 | -1.254717 | 0.023498 |
| DECR2 | 1.0312126 | 0.02356 |
| TRPC1 | -1.0783637 | 0.023615 |
| GSPT2 | -1.1004046 | 0.023621 |
| TPD52 | -1.5292106 | 0.023637 |
| DCLK1 | -1.1458659 | 0.023652 |
| TPM1 | -1.1374336 | 0.023652 |
| IGLL3P | -1.6693995 | 0.023721 |
| CXCL8 | -2.4474179 | 0.023836 |
| SLC38A2 | -1.7238888 | 0.023836 |
| CD2 | -1.2740109 | 0.023846 |
| PLS3 | -1.0390886 | 0.023885 |
| DES12 | -1.1243179 | 0.02392 |
| NUP153 | -1.2076304 | 0.023995 |
| METTL1 | 1.1366681 | 0.024026 |
| RBBP4 | -1.4574339 | 0.024026 |
| ARPC3 | -1.2337617 | 0.024183 |
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| ARPC1A | -1.3572473 | 0.024264 |
| PGK1 | -1.5543466 | 0.024276 |
| BAIAP2 | 1.1859076 | 0.024311 |
| TMED7 | -1.3963464 | 0.024463 |
| AMACR | -1.7227912 | 0.024466 |
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| SEC63 | -1.2626711 | 0.024519 |
| SCAMP1 | -1.1478714 | 0.024584 |
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| GSPT1 | -1.0161786 | 0.024816 |
| SNX3 | -1.1465456 | 0.024834 |
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| STAG2 | -1.1037355 | 0.024843 |
| RNF138 | -1.4451488 | 0.02485 |
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| HLA-DRB4 | -1.3414343 | 0.025044 |
| KCTD12 | -1.0841314 | 0.025197 |
| ATXN7 | -1.1558586 | 0.025251 |
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| XPOT | -1.0634538 | 0.02546 |
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| TRBC1 | -1.1444168 | 0.025598 |
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| MOB1A | -1.0002577 | 0.025703 |
| SGK3 | -1.306838 | 0.025703 |
| CFI | -1.7746094 | 0.025715 |
| MCUB | -1.3743578 | 0.025717 |
| PHACTR4 | -1.02772 | 0.025726 |
| TES | -1.2309483 | 0.025726 |
| MSR1 | -1.1568393 | 0.025735 |
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| MCM9 | -1.2867495 | 0.025879 |
| SEC24D | -1.0754271 | 0.025879 |
| CAND1 | -1.2202488 | 0.025927 |
| LYST | -1.1224708 | 0.025959 |
| FCGR2A | -1.3662073 | 0.026105 |
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| CAMSAP2 | -1.1208482 | 0.026665 |
| SERPINE2 | -1.1201487 | 0.026745 |
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| PLBD1 | -1.0849059 | 0.027472 |
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| AKAP12 | -1.2240728 | 0.027647 |
| ATP2A2 | -1.0083247 | 0.027736 |
| CAPN6 | -1.8543132 | 0.027842 |
| LEPROT | -1.1111155 | 0.027866 |
| DCK | -1.3216644 | 0.027875 |
| BAG5 | -1.4635846 | 0.027963 |
| ARPC5 | -1.3359086 | 0.027964 |
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| HACD2 | -1.0633822 | 0.028043 |
| STK26 | -1.2781546 | 0.028043 |
| ATP2C1 | -1.0870571 | 0.028065 |
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| HLA-C | -1.011463 | 0.028269 |
| DEK | -1.253777 | 0.02836 |
| COL1A2 | -1.4376225 | 0.028374 |
| TOR1AIP1 | -1.1039226 | 0.028382 |
| MTM1 | -1.214038 | 0.028547 |
| KDM3A | -1.2491903 | 0.028593 |
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| PTGS1 | -1.0373839 | 0.028644 |
| RG54 | -1.2058662 | 0.0287 |
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| AMIGO2 | -1.1280799 | 0.029114 |
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| TRIM33 | -1.1035657 | 0.029373 |
| CD9 | -1.5922854 | 0.029446 |
| ADAMTS1 | -1.7702533 | 0.029459 |
| PSMC6 | -1.0803942 | 0.02948 |
| SEMA5A | -1.373539 | 0.02962 |
| UFL1 | -1.3325217 | 0.029711 |
| RAP2C | -1.2023305 | 0.029735 |
| BACH1 | -1.15041 | 0.02987 |
| ABCB4 | -1.6463855 | 0.030117 |
| SETSIIP | -1.670498 | 0.030117 |
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| SF3B1 | -1.1675441 | 0.030176 |
| MTCL1 | -1.0809013 | 0.030206 |
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| LPCAT1 | -1.0080476 | 0.03053 |
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| PALLD | -1.0209595 | 0.030619 |
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| PRPF18 | -1.151692 | 0.031213 |
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| WNT5A | -1.4143053 | 0.031224 |
| GATC | -1.0892047 | 0.031231 |
| BCL10 | -1.030786 | 0.031239 |
| TTC37 | -1.0575658 | 0.031281 |
| GPR18 | -1.0155753 | 0.03146 |
| ARFGF2 | -1.1363992 | 0.031484 |
| MUC1 | -1.0573897 | 0.031622 |
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| FAM149A | 1.176613 | 0.031918 |
| USP46 | -1.2388335 | 0.031918 |
| HMGN1 | -1.1005828 | 0.032188 |
| RG51 | -1.0505855 | 0.032188 |
| SEL1L2 | -1.0766727 | 0.032277 |
| MOXD1 | -2.0268703 | 0.03263 |
| HLA-DQB1 | -1.6152463 | 0.032647 |
| PRKAR1A | -1.3250059 | 0.032647 |
| TCEAL2 | 1.1944204 | 0.032701 |
| ASNSD1 | -1.0500424 | 0.032802 |
| GYG1 | -1.1546623 | 0.032855 |
| PTP4A2 | -1.1383085 | 0.032855 |
| GNS | -1.079634 | 0.032955 |
| LHFP | -1.3242938 | 0.033012 |
| BCLAF1 | -1.4701683 | 0.033027 |
| VPS26A | -1.1637339 | 0.033027 |
| ARF4 | -1.1165804 | 0.033044 |
| THBS1 | -2.0432036 | 0.033099 |
| LARP4 | -1.0250641 | 0.033292 |
| RNF38 | -1.2491737 | 0.033361 |
| EIF2AK2 | -1.2826145 | 0.033395 |
| NFIB | -1.3810711 | 0.033524 |
| WNT5A | -1.2697342 | 0.033617 |
| GLOD4 | -1.1677884 | 0.033674 |
| SGCE | -1.6319682 | 0.033681 |
| CEP76 | -1.0451572 | 0.033723 |
| PPP2R5E | -1.1703845 | 0.033876 |
| ERBIN | -1.2707892 | 0.033886 |
| NFE2L2 | -1.2193668 | 0.03396 |
| LIN7C | -1.0114153 | 0.034012 |
| CYP24A1 | -1.6895719 | 0.03402 |
| DDX5 | -1.422469 | 0.03402 |
| GDE1 | -1.1117338 | 0.034149 |
| ABCC4 | -1.5764146 | 0.034256 |
| CYP1B1 | -1.2860965 | 0.034335 |
| NPTN | -1.1571062 | 0.034465 |
| IL10RA | -1.4180004 | 0.034482 |
| RAB1A | -1.79494 | 0.034575 |
| NDFIP1 | -1.0678107 | 0.034601 |
| ZKSCAN7 | -1.2480792 | 0.034773 |
| TCL6 | 1.1158829 | 0.034803 |
| ATP5D | 1.1041065 | 0.034883 |
| LY96 | -1.9663037 | 0.034883 |
| CFH | -1.1249898 | 0.035007 |
| ANXA4 | -1.1979337 | 0.035073 |
| RAC2 | -1.1499588 | 0.035198 |
| EIF5 | -1.2397628 | 0.035248 |
| PLEK | -1.1644157 | 0.035384 |
| TTC37 | -1.0112839 | 0.035384 |
| EGLN3 | -1.0525047 | 0.035617 |
| HNRNPD | -1.3021976 | 0.035749 |
| RNASET2 | -1.3829223 | 0.035819 |
| EIF3M | -1.5747156 | 0.035829 |
| CCNT2 | -1.0935056 | 0.036011 |
| POU2AF1 | -2.5541059 | 0.036011 |
| CD58 | -1.0741696 | 0.036253 |

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| ALDH1A1 | -1.7073611 | 0.03627 |
| MINPP1 | -1.4292222 | 0.03627 |
| HLA-DRB3 | -1.4614498 | 0.036409 |
| CD24 | -1.4801093 | 0.036484 |
| FNBP4 | -1.1255106 | 0.036497 |
| CTNNB1 | -1.163467 | 0.036514 |
| CTBS | -1.2450436 | 0.036714 |
| TMEM165 | -1.251942 | 0.036714 |
| ADAM9 | -1.0213052 | 0.036907 |
| ZNF277 | -1.2762469 | 0.03697 |
| PIGG | -1.0160894 | 0.037299 |
| RASSF2 | -1.4185766 | 0.037364 |
| HLA-DRB1 | -1.1463506 | 0.037504 |
| PECAM1 | -1.21048 | 0.037555 |
| FNDC3B | -1.1141072 | 0.037771 |
| UTP18 | -1.0363812 | 0.037853 |
| CORO1A | -1.0190536 | 0.038053 |
| SCD | -1.4263881 | 0.038053 |
| TCP1 | -1.2129605 | 0.038053 |
| C7 | -1.6349581 | 0.038131 |
| DOK5 | -1.0991906 | 0.038131 |
| SNRK | -1.2163934 | 0.038265 |
| RNF114 | -1.101109 | 0.038296 |
| FAM179B | -1.1995605 | 0.038473 |
| FABP5 | -1.1749566 | 0.038512 |
| PRKCB | -1.0919048 | 0.038512 |
| FAIM | -1.1009648 | 0.038712 |
| BPTF | -1.0866963 | 0.038742 |
| TUBA1B | -1.0019882 | 0.03876 |
| ZNF451 | -1.1908157 | 0.038769 |
| ADNP | -1.1187416 | 0.038838 |
| AMZ2 | -1.467058 | 0.038838 |
| PPP2R3C | -1.1345686 | 0.038978 |
| CXCL1 | -1.4037888 | 0.039146 |
| CD36 | -1.500012 | 0.039251 |
| PSMA1 | -1.0527507 | 0.039271 |
| KRAS | -1.0758774 | 0.0394 |
| CAV2 | -1.0196705 | 0.039419 |
| IVNS1ABP | -1.2285671 | 0.039631 |
| ARSF | 1.0233205 | 0.039794 |
| PTPN3 | -1.2377393 | 0.039859 |
| RPS21 | 1.0325567 | 0.039894 |
| RPL5 | -1.271804 | 0.040031 |
| TMSB4X | -1.2761355 | 0.04009 |
| SERPINF2 | 1.0254766 | 0.040166 |
| PRMT3 | -1.0196182 | 0.040355 |
| HEY1 | 1.1067237 | 0.040459 |
| SPON1 | -1.2974938 | 0.040529 |
| BTBD3 | -1.2651669 | 0.040561 |
| RHEB | -1.3654371 | 0.040561 |
| RSL24D1 | -1.1050244 | 0.040725 |
| NELFCD | -1.0250976 | 0.041023 |
| NME7 | -1.2048432 | 0.041211 |
| GLIPR1 | -1.3947193 | 0.041215 |
| HABP2 | -1.2584955 | 0.041597 |
| PLAC8 | -1.3620119 | 0.041597 |
| IPO5 | -1.5303483 | 0.041723 |
| LAMP3 | -1.5374662 | 0.041962 |
| IQGAP1 | -1.2742667 | 0.042217 |
| SMARCA1 | -1.0517909 | 0.042225 |
| SLC39A4 | 1.2044627 | 0.04256 |
| ACTN1 | -1.4510876 | 0.042594 |
| STXBP3 | -1.1257262 | 0.042927 |
| SERINC1 | -1.4822336 | 0.042999 |
| EIF4E | -1.0442978 | 0.043094 |
| TSPAN1 | -1.2088367 | 0.043148 |
| HSPA8 | -2.1763123 | 0.043213 |
| AZIN1 | -1.5529416 | 0.043286 |
| YWHAZ | -1.7603447 | 0.043525 |
| PIIB | -1.1863779 | 0.04353 |
| SULF1 | -1.1732917 | 0.043847 |
| NR2C1 | -1.0687849 | 0.043979 |
| TYRP1 | 1.5824723 | 0.044215 |
| RIOK3 | -1.5058941 | 0.044224 |
| HMGCR | -1.1546411 | 0.044285 |
| SMC1A | -1.0472556 | 0.044741 |
| PARP4 | -1.166916 | 0.04475 |
| HNRNPH2 | -1.3427187 | 0.044923 |
| MTHFD2 | -1.5685603 | 0.044923 |
| LYN | -1.1942368 | 0.045142 |
| MYH8 | 1.3162062 | 0.045473 |
| STGGAL1 | -1.3561324 | 0.045586 |
| SLC38A1 | -1.3701328 | 0.045588 |
| NUP107 | -1.0210927 | 0.045602 |

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| SAMSN1 | -1.5818957 | 0.045639 |
| STAM | -1.1793761 | 0.045662 |
| KDELR3 | -1.1077485 | 0.045762 |
| MATN2 | -1.1073873 | 0.045854 |
| CBR4 | -1.1326608 | 0.04606 |
| SRSF10 | -1.0451857 | 0.046162 |
| CTSO | -1.1525204 | 0.046543 |
| APOC3 | 1.1827837 | 0.046577 |
| LAMC2 | -1.0344953 | 0.046634 |
| C4B | -1.7372391 | 0.046754 |
| CTGF | -1.3937251 | 0.046788 |
| MTDH | -1.0085815 | 0.046789 |
| PTGER4 | -1.0829601 | 0.04682 |
| IGHM | -1.9887768 | 0.046845 |
| HLA-DQB1 | -1.468529 | 0.046884 |
| CALML3 | 1.2080169 | 0.046995 |
| SRPX | -1.024715 | 0.047256 |
| ARF3 | 1.0267495 | 0.047381 |
| ACVR1 | -1.1742954 | 0.047473 |
| ELF1 | -1.0782339 | 0.047738 |
| ZCCHC14 | -1.1105664 | 0.04801 |
| RAB31 | -1.01037 | 0.04812 |
| SGPP1 | -1.0493408 | 0.04827 |
| ZNF330 | -1.1367766 | 0.048583 |
| CD52 | -1.0729457 | 0.048768 |
| NNT | -1.1476516 | 0.048888 |
| ZNF518A | -1.1703744 | 0.048891 |
| PSMD1 | -1.0390196 | 0.048896 |
| GZMK | -1.400597 | 0.049033 |
| TFPI | -1.1362334 | 0.049175 |
| CAP2 | -1.0389993 | 0.049214 |
| MTMR4 | -1.0058666 | 0.049214 |
| MANSC1 | -1.0531082 | 0.04929 |
| TTC3P1 | -1.3856211 | 0.04995 |
| PSMD6 | -1.0469805 | 0.049973 |