

Supplementary Table 14: Summary of differentially expressed genes between chondroid and non-chondroid MBCs according to RNA-sequencing. Statistics calculated using the limma package. Genes with p-value <0.05 have been included.

| gene_id | gene_name | Fold Change (log2) | Average expression | t-statistic | p value | adjusted p value |
|-----------------|-----------|--------------------|--------------------|--------------|-------------|------------------|
| ENSG00000075035 | WSCD2 | 4.260780087 | 2.046062446 | 8.976662311 | 5.77E-09 | 9.05E-05 |
| ENSG00000005513 | SOX8 | 4.394355318 | 2.241349383 | 8.072089363 | 3.75E-08 | 0.000294488 |
| ENSG00000167614 | TTYH1 | 5.204656986 | 4.988806292 | 7.522370458 | 1.24E-07 | 0.000646203 |
| ENSG00000158008 | EXTL1 | 5.084354352 | 3.939506608 | 6.893464193 | 5.07E-07 | 0.001989132 |
| ENSG00000157766 | ACAN | 5.473323561 | 6.965989872 | 6.697189888 | 7.96E-07 | 0.002498477 |
| ENSG00000107104 | KANK1 | 2.167351359 | 6.317463229 | 6.412280091 | 1.55E-06 | 0.00349175 |
| ENSG00000109846 | CRYAB | 3.986506469 | 6.853768762 | 6.292983571 | 2.05E-06 | 0.003749031 |
| ENSG00000100146 | SOX10 | 5.091025627 | 3.702498185 | 6.408934044 | 1.56E-06 | 0.00349175 |
| ENSG00000112280 | COL9A1 | 5.831986951 | 3.672248479 | 6.271967264 | 2.15E-06 | 0.003749031 |
| ENSG00000165795 | NDRG2 | 2.725079565 | 7.92550981 | 6.064413264 | 3.52E-06 | 0.005522301 |
| ENSG00000114547 | ROPN1B | 4.165761179 | 3.141839037 | 5.978019649 | 4.33E-06 | 0.006171551 |
| ENSG00000155130 | MARCKS | -2.460030248 | 5.847092075 | -5.857290742 | 5.78E-06 | 0.006977818 |
| ENSG00000131771 | PPP1R1B | 4.68406549 | 4.645474159 | 5.877760149 | 5.50E-06 | 0.006977818 |
| ENSG00000205403 | CFI | -3.004866281 | 5.416477651 | -5.647107909 | 9.61E-06 | 0.010769367 |
| ENSG00000103489 | XYLT1 | 2.70939903 | 4.032419193 | 5.540440533 | 1.25E-05 | 0.013028584 |
| ENSG00000164106 | SCRG1 | 5.12132131 | 5.113284818 | 5.460999117 | 1.51E-05 | 0.014667278 |
| ENSG00000140545 | MFGE8 | 2.50157764 | 8.755678812 | 5.440636735 | 1.59E-05 | 0.014667278 |
| ENSG00000148735 | PLEKHS1 | 4.041989524 | 3.830358196 | 5.287306103 | 2.31E-05 | 0.020172657 |
| ENSG00000121316 | PLBD1 | -2.12269481 | 5.759750762 | -5.223166868 | 2.71E-05 | 0.022376417 |
| ENSG00000185634 | SHC4 | 3.993120173 | 4.199860577 | 5.184313786 | 2.98E-05 | 0.023392358 |
| ENSG00000166405 | RIC3 | 3.831574576 | 3.144086695 | 5.128430423 | 3.42E-05 | 0.024408061 |
| ENSG00000187595 | ZNF385C | 3.607995369 | 3.010524633 | 5.134257066 | 3.37E-05 | 0.024408061 |
| ENSG00000160310 | PRMT2 | 1.203844059 | 7.349792468 | 5.01590502 | 4.52E-05 | 0.029928051 |
| ENSG00000065361 | ERBB3 | 3.77641014 | 5.43637866 | 5.01072475 | 4.58E-05 | 0.029928051 |
| ENSG00000092758 | COL9A3 | 4.68790262 | 7.762538312 | 4.942819536 | 5.42E-05 | 0.030717159 |
| ENSG00000141526 | SLC16A3 | -2.268909756 | 5.522558087 | -4.937972698 | 5.48E-05 | 0.030717159 |
| ENSG00000182158 | CREB3L2 | 1.654911457 | 6.054877618 | 4.921215613 | 5.71E-05 | 0.030915799 |
| ENSG00000136099 | PCDH8 | 1.986865833 | 0.816889319 | 4.948330905 | 5.34E-05 | 0.030717159 |
| ENSG00000111199 | TRPV4 | 2.512497013 | 5.849544482 | 4.86835504 | 6.51E-05 | 0.03297303 |
| ENSG00000155367 | PPM1J | 2.412581574 | 2.257290107 | 4.948682156 | 5.34E-05 | 0.030717159 |
| ENSG00000196839 | ADA | -2.0976125 | 4.23145477 | -4.903161588 | 5.98E-05 | 0.031253535 |
| ENSG00000078053 | AMPH | -3.387902285 | 3.229454857 | -4.851446021 | 6.79E-05 | 0.033311659 |
| ENSG00000131089 | ARHGEF9 | 1.724479728 | 6.069000656 | 4.786346372 | 7.99E-05 | 0.033887951 |
| ENSG00000160307 | S100B | 4.793247365 | 4.346149283 | 4.796078843 | 7.79E-05 | 0.033887951 |
| ENSG00000147614 | ATP6VOD2 | -2.321650989 | 1.640287894 | -4.8340258 | 7.09E-05 | 0.033729842 |
| ENSG00000171094 | ALK | 3.504191014 | 1.381992444 | 4.812621171 | 7.48E-05 | 0.033887951 |
| ENSG00000136883 | KIF12 | 3.659651883 | 3.10497081 | 4.783552071 | 8.04E-05 | 0.033887951 |
| ENSG00000172201 | ID4 | 2.582982609 | 3.659295182 | 4.772667053 | 8.26E-05 | 0.033887951 |
| ENSG00000162413 | KLHL21 | 1.920403109 | 4.725905653 | 4.721632084 | 9.38E-05 | 0.035895521 |
| ENSG00000146476 | C6orf211 | -2.060585358 | 2.21962407 | -4.764897304 | 8.42E-05 | 0.033887951 |
| ENSG00000169085 | C8orf46 | 3.288694695 | 1.853637576 | 4.749572866 | 8.75E-05 | 0.034323617 |
| ENSG00000142449 | FBN3 | 4.410299068 | 4.99407629 | 4.682717811 | 0.000103326 | 0.037704451 |
| ENSG00000122863 | CHST3 | 2.113896549 | 3.896206076 | 4.688676772 | 0.000101806 | 0.037704451 |
| ENSG00000240038 | AMY2B | 2.960435565 | 4.432629988 | 4.614300603 | 0.000122506 | 0.042349794 |
| ENSG00000063180 | CA11 | 2.754750005 | 3.904555776 | 4.600296732 | 0.000126852 | 0.042349794 |
| ENSG00000144857 | BOC | 2.869673864 | 6.876689321 | 4.579455076 | 0.000133609 | 0.043676192 |
| ENSG00000167578 | RAB4B | 2.889605981 | 3.423872372 | 4.607243444 | 0.000124677 | 0.042349794 |
| ENSG00000140022 | STON2 | -2.043166093 | 1.771243468 | -4.600479285 | 0.000126795 | 0.042349794 |
| ENSG00000154358 | OBSCN | 2.743086549 | 6.419678281 | 4.526424268 | 0.000152473 | 0.048825489 |
| ENSG00000066923 | STAG3 | 1.866224911 | 4.456383326 | 4.512848564 | 0.000157717 | 0.049494633 |
| ENSG00000181143 | MUC16 | 5.723906116 | 4.628930034 | 4.476906766 | 0.000172489 | 0.053069004 |
| ENSG00000187957 | DNER | 4.516508427 | 3.39789288 | 4.461284435 | 0.000179334 | 0.053092971 |
| ENSG00000107282 | APBA1 | 2.88161828 | 3.167189868 | 4.467330943 | 0.000176653 | 0.053092971 |
| ENSG00000049089 | COL9A2 | 3.463723966 | 7.378265287 | 4.417477706 | 0.000200013 | 0.057061887 |
| ENSG00000113916 | BCL6 | 1.937971778 | 5.942003876 | 4.403051774 | 0.000207332 | 0.057074461 |
| ENSG00000182287 | AP1S2 | -2.336446743 | 2.750984241 | -4.424713305 | 0.00019644 | 0.057061887 |
| ENSG00000175318 | GRAMD2 | 2.981782068 | 3.18518493 | 4.406330499 | 0.000205645 | 0.057074461 |
| ENSG00000089356 | FXD3 | 3.973868981 | 5.751722871 | 4.377320203 | 0.000221057 | 0.059803658 |

| | | | | | | |
|-----------------|------------|--------------|-------------|--------------|-------------|-------------|
| ENSG00000141013 | GAS8 | 1.775068213 | 4.143846993 | 4.367262928 | 0.000226666 | 0.060281539 |
| ENSG00000205542 | TMSB4X | -1.496854073 | 5.588017902 | -4.350223441 | 0.000236494 | 0.060833136 |
| ENSG00000108679 | LGALS3BP | -2.695589419 | 7.398872276 | -4.352199036 | 0.000235333 | 0.060833136 |
| ENSG00000146197 | SCUBE3 | 3.122848443 | 4.987897268 | 4.313922166 | 0.000258873 | 0.062625334 |
| ENSG00000138801 | PAPSS1 | 1.342872361 | 7.950737267 | 4.330637047 | 0.000248317 | 0.061846781 |
| ENSG00000065371 | ROPN1 | 3.432130856 | 2.922829484 | 4.336939809 | 0.00024445 | 0.061846781 |
| ENSG00000079385 | CEACAM1 | 2.627421696 | 3.937776995 | 4.313066187 | 0.000259426 | 0.062625334 |
| ENSG00000164830 | OXR1 | 1.63535059 | 5.151216042 | 4.290410171 | 0.000274484 | 0.064282414 |
| ENSG00000198373 | WWP2 | 1.806890975 | 8.048438417 | 4.291725238 | 0.000273586 | 0.064282414 |
| ENSG00000117983 | MUC5B | 4.953555488 | 5.264615045 | 4.261720734 | 0.000294809 | 0.065709525 |
| ENSG00000214871 | AC005082.1 | 1.663092847 | 0.86677149 | 4.279138397 | 0.000282297 | 0.065140001 |
| ENSG00000143882 | ATP6V1C2 | 3.489733541 | 3.455570568 | 4.262079431 | 0.000294546 | 0.065709525 |
| ENSG00000157734 | SNX22 | 3.458633137 | 4.80424293 | 4.245821356 | 0.000306712 | 0.065709525 |
| ENSG00000145020 | AMT | 2.461000714 | 3.686779802 | 4.242599852 | 0.000309181 | 0.065709525 |
| ENSG00000164050 | PLXNB1 | 1.801040668 | 7.971168981 | 4.240638358 | 0.000310695 | 0.065709525 |
| ENSG00000186832 | KRT16 | 4.277096376 | 6.465541382 | 4.227919638 | 0.000320688 | 0.065709525 |
| ENSG00000166016 | ABTB2 | 1.534595046 | 5.015306666 | 4.21348934 | 0.000332415 | 0.065709525 |
| ENSG00000128641 | MYO1B | -1.712364926 | 7.243455429 | -4.225598028 | 0.000322547 | 0.065709525 |
| ENSG00000176845 | METRNL | -1.626762311 | 5.391446178 | -4.208301298 | 0.000336734 | 0.065709525 |
| ENSG00000162909 | CAPN2 | 1.19210144 | 9.029866242 | 4.235097056 | 0.00031501 | 0.065709525 |
| ENSG00000140511 | HAPLN3 | 2.604636696 | 5.155899725 | 4.205362985 | 0.000339205 | 0.065709525 |
| ENSG00000064692 | SNCAIP | -2.336745133 | 2.376273714 | -4.233097201 | 0.000316582 | 0.065709525 |
| ENSG00000155850 | SLC26A2 | 2.395320234 | 2.708790069 | 4.216019988 | 0.000330328 | 0.065709525 |
| ENSG00000123358 | NR4A1 | 1.857324159 | 5.925193163 | 4.18502395 | 0.000356813 | 0.067420985 |
| ENSG00000115295 | CLIP4 | 2.01879088 | 4.75478651 | 4.16083376 | 0.000378943 | 0.067420985 |
| ENSG00000147799 | ARHGAP39 | 2.284601548 | 4.973662562 | 4.160119014 | 0.000379617 | 0.067420985 |
| ENSG00000213064 | SFT2D2 | 1.601807614 | 5.27546891 | 4.161664868 | 0.00037816 | 0.067420985 |
| ENSG00000062282 | DGAT2 | 3.173463438 | 3.959820321 | 4.155187753 | 0.000384301 | 0.067420985 |
| ENSG00000173209 | AHSA2 | 1.397715942 | 6.070428433 | 4.159759883 | 0.000379956 | 0.067420985 |
| ENSG00000172159 | FRMD3 | 2.447721444 | 3.091479135 | 4.166866531 | 0.000373299 | 0.067420985 |
| ENSG00000166535 | A2ML1 | 3.405268568 | 3.658023663 | 4.145913043 | 0.000393268 | 0.06781065 |
| ENSG00000149257 | SERPINH1 | -1.766755363 | 7.64248363 | -4.152673973 | 0.000386711 | 0.067420985 |
| ENSG00000179218 | CALR | -1.233595481 | 10.66644126 | -4.157361609 | 0.000382229 | 0.067420985 |
| ENSG00000067992 | PDK3 | -1.819277009 | 4.118841402 | -4.122172709 | 0.000417179 | 0.070384462 |
| ENSG00000153902 | LGI4 | 2.966010883 | 3.012389533 | 4.117773182 | 0.000421766 | 0.070384462 |
| ENSG00000185189 | NRBP2 | 2.143796219 | 7.065582524 | 4.123511327 | 0.000415793 | 0.070384462 |
| ENSG00000104892 | KLC3 | 2.205086808 | 2.964408732 | 4.113294534 | 0.000426488 | 0.070384462 |
| ENSG00000197329 | PELI1 | 1.710645418 | 4.374786414 | 4.083452652 | 0.000459316 | 0.072071209 |
| ENSG00000146904 | EPHA1 | 2.606586486 | 4.180191762 | 4.083684186 | 0.000459051 | 0.072071209 |
| ENSG00000169891 | REPS2 | -1.742910936 | 2.658641736 | -4.109411906 | 0.000430623 | 0.070384462 |
| ENSG00000003249 | DBNDD1 | 2.950989827 | 2.877732965 | 4.098241209 | 0.000442745 | 0.07088889 |
| ENSG00000137404 | NRM | -2.365473374 | 3.321541983 | -4.102796804 | 0.000437761 | 0.070813498 |
| ENSG00000134775 | FHOD3 | -2.442497108 | 4.443321743 | -4.04175068 | 0.000509434 | 0.07789171 |
| ENSG00000073910 | FRY | 2.133206408 | 5.23804457 | 4.042962662 | 0.000507903 | 0.07789171 |
| ENSG00000015475 | BID | -2.036653776 | 4.449475893 | -4.023711303 | 0.000532761 | 0.080380354 |
| ENSG00000206503 | HLA-A | -2.018138602 | 9.7686692 | -4.04027565 | 0.000511302 | 0.07789171 |
| ENSG00000059588 | TARBP1 | 1.509641163 | 6.664019752 | 4.015786085 | 0.000543342 | 0.080429976 |
| ENSG00000163617 | KIAA1407 | 1.907974434 | 3.614073543 | 3.996837088 | 0.000569492 | 0.082318518 |
| ENSG00000168300 | PCMTD1 | 1.515034571 | 5.064142452 | 3.995179238 | 0.000571839 | 0.082318518 |
| ENSG00000143458 | GABPB2 | 1.319441767 | 6.648172019 | 4.011325615 | 0.000549388 | 0.080564962 |
| ENSG00000117385 | LEPRE1 | -1.832388643 | 7.795555592 | -4.016318391 | 0.000542625 | 0.080429976 |
| ENSG00000137745 | MMP13 | -3.761737168 | 6.077141083 | -3.968790322 | 0.000610504 | 0.085530473 |
| ENSG00000154127 | UBASH3B | -2.150652062 | 2.826443138 | -3.972511233 | 0.000604899 | 0.085530473 |
| ENSG00000121005 | CRISPLD1 | 2.372006368 | 6.997444444 | 3.971305113 | 0.00060671 | 0.085530473 |
| ENSG00000181085 | MAPK15 | 3.84809448 | 4.079476354 | 3.940453818 | 0.000654909 | 0.0909396 |
| ENSG00000158106 | RHPN1 | 2.696180776 | 5.33221868 | 3.934778301 | 0.00066418 | 0.091417946 |
| ENSG00000148218 | ALAD | 1.321567286 | 5.891099351 | 3.924766127 | 0.000680853 | 0.092897892 |
| ENSG00000120251 | GRIA2 | 2.553740584 | 1.445232599 | 3.912081069 | 0.000702572 | 0.094222741 |
| ENSG00000150764 | DIXDC1 | 1.749821121 | 4.361629317 | 3.894618576 | 0.000733597 | 0.096285684 |
| ENSG00000104413 | ESRP1 | 3.71058339 | 5.533385619 | 3.89847074 | 0.000726639 | 0.096285684 |
| ENSG00000157379 | DHRS1 | 1.309151396 | 5.387988058 | 3.893097087 | 0.000736364 | 0.096285684 |
| ENSG00000133048 | CHI3L1 | 4.844764518 | 7.332063101 | 3.913451357 | 0.000700193 | 0.094222741 |
| ENSG00000152661 | GJA1 | -2.160415623 | 3.253324214 | -3.886373906 | 0.000748712 | 0.096309967 |

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|------------------|----------|--------------|-------------|--------------|-------------|-------------|
| ENSG00000185946 | RNPC3 | 1.64870285 | 5.200905698 | 3.871649111 | 0.000776477 | 0.09905452 |
| ENSG00000167850 | CD300C | -1.782804026 | 1.911598665 | -3.868296944 | 0.000782939 | 0.099073358 |
| ENSG00000198515 | CNGA1 | 2.727061408 | 2.443037927 | 3.859329142 | 0.000800488 | 0.099283749 |
| ENSG00000185697 | MYBL1 | 2.341343207 | 3.679172803 | 3.84776968 | 0.000823683 | 0.099283749 |
| ENSG00000129646 | QRICH2 | 2.450977885 | 5.097852409 | 3.854577154 | 0.000809944 | 0.099283749 |
| ENSG00000102313 | ITIH6 | 3.197117497 | 1.908566335 | 3.85215192 | 0.000814812 | 0.099283749 |
| ENSG00000141522 | ARHGDIA | -1.09254317 | 8.459950059 | -3.886312938 | 0.000748825 | 0.096309967 |
| ENSG00000154553 | PDLIM3 | 2.184399722 | 5.343214314 | 3.849185067 | 0.000820807 | 0.099283749 |
| ENSG00000197748 | WDR96 | 2.259171052 | 1.551380043 | 3.843925392 | 0.000831543 | 0.099283749 |
| ENSG00000064225 | ST3GAL6 | 1.860885861 | 4.653048643 | 3.834018119 | 0.000852142 | 0.099593237 |
| ENSG00000117595 | IRF6 | 3.577313365 | 5.708287469 | 3.839083085 | 0.000841549 | 0.099283749 |
| ENSG00000113532 | ST8SIA4 | -2.350309535 | 2.660585014 | -3.824710707 | 0.000871952 | 0.100601515 |
| ENSG00000128656 | CHN1 | -1.748801346 | 4.567631464 | -3.812882651 | 0.000897785 | 0.100665976 |
| ENSG00000198804 | MT-CO1 | 1.092047442 | 8.698783688 | 3.857519374 | 0.000804076 | 0.099283749 |
| ENSG00000188783 | PRELP | 3.028759049 | 4.821022406 | 3.813298755 | 0.000896864 | 0.100665976 |
| ENSG00000114993 | RTKN | 1.732898001 | 6.34749544 | 3.831779288 | 0.000856866 | 0.099593237 |
| ENSG00000196187 | TMEM63A | 1.579430947 | 7.726661567 | 3.84209953 | 0.000835302 | 0.099283749 |
| ENSG00000164976 | KIAA1161 | 1.873799372 | 3.467000839 | 3.801098747 | 0.000924272 | 0.100665976 |
| ENSG00000139631 | CSAD | 2.082023941 | 6.253452566 | 3.818582565 | 0.000885244 | 0.100665976 |
| ENSG00000099284 | H2AFY2 | -2.006126373 | 4.864343474 | -3.790926312 | 0.000947756 | 0.100665976 |
| ENSG00000157368 | IL34 | 3.068803427 | 3.704320233 | 3.787228052 | 0.000956439 | 0.100665976 |
| ENSG00000165959 | CLMN | 1.442289617 | 5.065629848 | 3.79643972 | 0.000934956 | 0.100665976 |
| ENSG00000254470 | AP5B1 | 1.898616744 | 2.948486259 | 3.794428369 | 0.000939606 | 0.100665976 |
| ENSG00000161249 | DMKN | 3.323613346 | 5.870086219 | 3.80131268 | 0.000923785 | 0.100665976 |
| ENSG00000243244 | STON1 | 1.981189948 | 1.860178705 | 3.781885608 | 0.000969121 | 0.100665976 |
| ENSG00000196090 | PTPRT | 2.043928531 | 1.003355496 | 3.779757875 | 0.000974218 | 0.100665976 |
| ENSG00000183960 | KCNH8 | 2.443848686 | 1.525363319 | 3.780361661 | 0.000972769 | 0.100665976 |
| ENSG00000204634 | TBC1D8 | 1.403626617 | 5.838144787 | 3.792693368 | 0.000943635 | 0.100665976 |
| ENSG00000073282 | TP63 | -2.751629202 | 1.900264226 | -3.771282775 | 0.000994783 | 0.100665976 |
| ENSG00000182600 | C2orf82 | 3.269030978 | 3.668754355 | 3.766734793 | 0.001005994 | 0.100665976 |
| ENSG00000162004 | CCDC78 | 2.733838635 | 2.311818654 | 3.77028773 | 0.000997225 | 0.100665976 |
| ENSG00000042445 | RETSAT | 1.327013763 | 7.279570939 | 3.803967864 | 0.000917753 | 0.100665976 |
| ENSG00000213865 | C8orf44 | 1.628902142 | 3.182362429 | 3.762302012 | 0.001017041 | 0.100665976 |
| ENSG00000106078 | COBL | 2.750606424 | 3.478448723 | 3.758316093 | 0.001027077 | 0.100665976 |
| ENSG00000141736 | ERBB2 | 1.709027053 | 7.883644722 | 3.801243703 | 0.000923942 | 0.100665976 |
| ENSG00000184454 | NCMAP | 2.408940229 | 3.324784787 | 3.757284716 | 0.00102969 | 0.100665976 |
| ENSG00000092295 | TGM1 | 2.506569497 | 2.801801838 | 3.757722603 | 0.00102858 | 0.100665976 |
| ENSG00000143184 | XCL1 | -1.775651587 | 1.041093498 | -3.743238558 | 0.00106593 | 0.101974147 |
| ENSG00000102890 | ELMO3 | 2.452104677 | 4.498802985 | 3.737963918 | 0.00107986 | 0.101974147 |
| ENSG00000253276 | CCDC71L | 1.80038492 | 0.904509492 | 3.735916774 | 0.001085315 | 0.101974147 |
| ENSG00000169908 | TM4SF1 | 2.673536774 | 6.64978359 | 3.763379959 | 0.001014344 | 0.100665976 |
| ENSG00000204947 | ZNF425 | 1.813436834 | 1.823359042 | 3.736387404 | 0.001084059 | 0.101974147 |
| ENSG00000198786 | MT-ND5 | 1.151317154 | 8.674673015 | 3.7777777012 | 0.000978986 | 0.100665976 |
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| ENSG00000154330 | PGM5 | 2.552838189 | 2.057989802 | 3.708933787 | 0.001159801 | 0.104583062 |
| ENSG00000011105 | TSPAN9 | -1.753473549 | 5.234961293 | -3.712574342 | 0.001149465 | 0.104255854 |
| ENSG00000156587 | UBE2L6 | -1.790530658 | 5.796287595 | -3.722158152 | 0.001122688 | 0.10301807 |
| ENSG00000160678 | S100A1 | 2.163770688 | 1.715748381 | 3.715036855 | 0.001142526 | 0.10422889 |
| ENSG00000162998 | FRZB | 3.223392358 | 4.139549239 | 3.69759504 | 0.001192583 | 0.104583062 |
| ENSG00000163702 | IL17RC | 1.68051604 | 7.369835442 | 3.741068007 | 0.001071641 | 0.101974147 |
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| ENSG00000180921 | FAM83H | 1.79168821 | 5.266212419 | 3.697879949 | 0.001191748 | 0.104583062 |
| ENSG00000077942 | FBLN1 | -1.934539714 | 8.471134748 | -3.731997899 | 0.001095833 | 0.102294558 |
| ENSG00000141738 | GRB7 | 2.699759444 | 4.039026017 | 3.677357857 | 0.00125337 | 0.105249547 |
| ENSG00000165140 | FBP1 | -1.9681924 | 2.930210158 | -3.681636886 | 0.001240268 | 0.105249547 |
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| ENSG00000139192 | TAPBPL | -1.647617046 | 5.181494205 | -3.656776304 | 0.001318315 | 0.108170124 |
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| ENSG00000106333 | PCOLCE | -2.142125847 | 7.681261794 | -3.690732437 | 0.001212864 | 0.104632035 |
| ENSG00000067606 | PRKCZ | 2.014686203 | 4.672943457 | 3.644261301 | 0.00135941 | 0.109951075 |
| ENSG00000160323 | ADAMTS13 | 2.100673502 | 3.72375659 | 3.630682526 | 0.001405423 | 0.110010671 |
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| ENSG00000157703 | SVOPL | 2.087682288 | 1.829390783 | 3.628546383 | 0.001412799 | 0.110010671 |
| ENSG00000204248 | COL11A2 | 3.939388652 | 8.024094722 | 3.672359684 | 0.001268847 | 0.10590145 |
| ENSG00000154556 | SORBS2 | 2.684292282 | 5.334221817 | 3.638573372 | 0.001378501 | 0.110010671 |
| ENSG00000163462 | TRIM46 | 1.883241442 | 3.190836042 | 3.612307703 | 0.001470129 | 0.110383856 |
| ENSG00000139438 | FAM222A | 2.034767362 | 1.227559674 | 3.614479119 | 0.001462333 | 0.110383856 |
| ENSG00000103404 | USP31 | -1.939143332 | 3.553314614 | -3.609956059 | 0.001478618 | 0.110383856 |
| ENSG00000197930 | ERO1L | -1.926783237 | 6.195721678 | -3.632644469 | 0.001398681 | 0.110010671 |
| ENSG00000055163 | CYFIP2 | -1.660446608 | 4.58078689 | -3.608465807 | 0.001484023 | 0.110383856 |
| ENSG00000109861 | CTSC | -1.939561301 | 6.524531938 | -3.639821501 | 0.00137429 | 0.110010671 |
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| ENSG00000135773 | CAPN9 | 2.249216515 | 1.244664048 | 3.599660744 | 0.001516354 | 0.111704752 |
| ENSG00000110328 | GALNT18 | 1.765392984 | 4.972373708 | 3.608553216 | 0.001483706 | 0.110383856 |
| ENSG00000176788 | BASP1 | -2.427765483 | 2.966529317 | -3.595751664 | 0.001530928 | 0.11172928 |
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| ENSG00000049860 | HEXB | -0.956554535 | 8.092194327 | -3.620353305 | 0.001441445 | 0.110383856 |
| ENSG00000179344 | HLA-DQB1 | -2.002097067 | 6.572167263 | -3.597196111 | 0.001525527 | 0.11172928 |
| ENSG00000214944 | ARHGEF28 | 2.66086007 | 4.948859218 | 3.574772826 | 0.001611521 | 0.114938091 |
| ENSG00000168539 | CHRM1 | 1.704016382 | 0.844748225 | 3.553682672 | 0.001696729 | 0.11832614 |
| ENSG00000125740 | FOSB | 2.030681604 | 2.531947475 | 3.551477151 | 0.001705891 | 0.118438656 |
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| ENSG00000130287 | NCAN | 4.41649207 | 1.975292379 | 3.542612128 | 0.001743207 | 0.11944394 |
| ENSG00000157423 | HYDIN | 2.178138262 | 1.696577969 | 3.542749657 | 0.001742622 | 0.11944394 |
| ENSG00000128266 | GNAZ | 1.652640566 | 1.239703843 | 3.54006889 | 0.001754059 | 0.119484305 |
| ENSG00000076554 | TPD52 | 1.728476743 | 6.633948938 | 3.58436448 | 0.00157417 | 0.113316606 |
| ENSG00000123572 | NRK | -2.308783876 | 1.404422246 | -3.523999902 | 0.001824172 | 0.121800328 |
| ENSG00000069702 | TGFBR3 | 1.916284932 | 3.872742594 | 3.524538882 | 0.001821776 | 0.121800328 |
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| ENSG00000018510 | AGPS | -1.528293353 | 5.120878926 | -3.530229037 | 0.001796673 | 0.121515495 |
| ENSG00000157927 | RADIL | 2.709688643 | 2.694097559 | 3.514121191 | 0.001868628 | 0.122121939 |
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| ENSG00000142675 | CNKSR1 | 2.600567355 | 4.088626566 | 3.510534675 | 0.001885029 | 0.122121939 |
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| ENSG00000143375 | CGN | 2.98724853 | 4.459119592 | 3.507044299 | 0.001901126 | 0.122121939 |
| ENSG00000158006 | PAFAH2 | 1.493806886 | 4.586328688 | 3.504973307 | 0.00191074 | 0.122121939 |
| ENSG00000002586 | CD99 | -1.525422349 | 8.614795966 | -3.560423132 | 0.001669028 | 0.117132899 |
| ENSG00000104687 | GSR | -1.26192524 | 6.653908919 | -3.538910082 | 0.001759026 | 0.119484305 |
| ENSG00000120509 | PDZD11 | -1.234674601 | 4.783166477 | -3.496263129 | 0.001951698 | 0.122496401 |
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| ENSG00000162745 | OLFML2B | -2.337053741 | 6.663747396 | -3.519748069 | 0.001843178 | 0.122121939 |
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| ENSG00000149357 | LAMTOR1 | -1.005916494 | 6.367247536 | -3.511137686 | 0.001882262 | 0.122121939 |
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| ENSG00000204655 | MOG | 2.740630402 | 1.711274005 | 3.459911943 | 0.002132098 | 0.124831135 |
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| ENSG00000138193 | PLCE1 | 1.717261995 | 6.066681454 | 3.496382417 | 0.001951132 | 0.122496401 |
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| ENSG00000001461 | NIPAL3 | 1.904813613 | 5.285814241 | 3.474163986 | 0.002059507 | 0.124340787 |
| ENSG00000141934 | PPAP2C | 2.641699734 | 5.507642152 | 3.476581021 | 0.002047438 | 0.124340787 |
| ENSG00000166091 | CMTM5 | 1.70895037 | 0.882486226 | 3.440435536 | 0.002235351 | 0.128389343 |
| ENSG00000117115 | PADI2 | 2.391894005 | 5.218474707 | 3.468525451 | 0.002087933 | 0.124340787 |
| ENSG00000171045 | TSNARE1 | 1.576661254 | 5.135970386 | 3.464614498 | 0.002107874 | 0.124340787 |
| ENSG00000163817 | SLC6A20 | 2.762439749 | 2.596185548 | 3.437506095 | 0.002251298 | 0.128454943 |
| ENSG00000156299 | TIAM1 | 1.301983514 | 5.527156401 | 3.472025815 | 0.002070241 | 0.124340787 |
| ENSG00000157578 | LCA5L | 1.651974894 | 0.988559098 | 3.433814584 | 0.002271551 | 0.12914095 |
| ENSG00000110492 | MDK | -1.684830685 | 7.180308865 | -3.488243546 | 0.001990168 | 0.12391954 |
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| ENSG00000159899 | NPR2 | 2.000295457 | 6.143080296 | 3.473020418 | 0.002065241 | 0.124340787 |
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| ENSG00000204149 | AGAP6 | 1.302208334 | 4.363457759 | 3.425919048 | 0.002315467 | 0.130690647 |
| ENSG00000143514 | TP53BP2 | 1.523660646 | 6.706682174 | 3.47065631 | 0.002077146 | 0.124340787 |
| ENSG00000105825 | TFPI2 | -2.100946336 | 1.750150479 | -3.409596145 | 0.002408901 | 0.134512662 |
| ENSG00000182795 | C1orf116 | 2.440137604 | 2.786461085 | 3.405983687 | 0.00243007 | 0.134672184 |
| ENSG00000100225 | FBXO7 | 0.962560149 | 6.954995415 | 3.46561463 | 0.002102757 | 0.124340787 |
| ENSG00000182771 | GRID1 | 2.144637489 | 2.191320193 | 3.40310291 | 0.002447081 | 0.134726849 |
| ENSG00000092853 | CLSPN | -1.877961602 | 5.613413925 | -3.429885731 | 0.002293301 | 0.129906828 |
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| ENSG00000136542 | GALNT5 | -2.175067445 | 2.977052887 | -3.396604355 | 0.002485884 | 0.13572409 |
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| ENSG00000151651 | ADAM8 | -1.810730388 | 5.416092946 | -3.417093549 | 0.002365537 | 0.133038156 |
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| ENSG00000148604 | RGR | 2.74142067 | 1.753461581 | 3.390885527 | 0.002520526 | 0.13572409 |
| ENSG00000118194 | TNNT2 | 2.665642791 | 3.124219496 | 3.38815339 | 0.002537241 | 0.13572409 |
| ENSG00000198626 | RYR2 | 2.637489706 | 2.017742044 | 3.387461648 | 0.00254149 | 0.13572409 |
| ENSG00000179532 | DNHD1 | 1.632171986 | 4.482914994 | 3.393133587 | 0.002506852 | 0.13572409 |
| ENSG00000140538 | NTRK3 | 2.733228764 | 3.248495892 | 3.376269995 | 0.00261121 | 0.13572409 |
| ENSG00000160299 | PCNT | 1.114940485 | 6.99499491 | 3.440265576 | 0.002236273 | 0.128389343 |
| ENSG00000119431 | HDHD3 | 1.37083238 | 3.903131572 | 3.378614365 | 0.002596453 | 0.13572409 |
| ENSG00000151883 | PARP8 | -1.380374929 | 4.941212065 | -3.390476955 | 0.002523018 | 0.13572409 |
| ENSG00000117899 | MESDC2 | -1.251072262 | 4.984549998 | -3.390137142 | 0.002525094 | 0.13572409 |
| ENSG00000162148 | PPP1R32 | 1.734815814 | 2.451403434 | 3.373778558 | 0.002626983 | 0.13572409 |
| ENSG00000154511 | FAM69A | -1.727054787 | 2.168432489 | -3.367465817 | 0.002667362 | 0.13572409 |
| ENSG00000178538 | CA8 | 2.540249571 | 3.272349717 | 3.365151275 | 0.002682318 | 0.13572409 |
| ENSG00000172716 | SLFN11 | -1.53549244 | 3.889850564 | -3.365618524 | 0.002679293 | 0.13572409 |
| ENSG00000144504 | ANKMY1 | 1.509749152 | 4.204282771 | 3.371390002 | 0.002642191 | 0.13572409 |
| ENSG00000111913 | FAM65B | -1.917797405 | 2.714191964 | -3.362377844 | 0.002700347 | 0.13572409 |
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| ENSG00000129353 | SLC44A2 | 1.563875478 | 8.981477769 | 3.442416988 | 0.002224627 | 0.128389343 |
| ENSG00000147416 | ATP6V1B2 | -1.155894476 | 6.484392341 | -3.404722076 | 0.002437506 | 0.134672184 |
| ENSG00000169302 | STK32A | 2.134138615 | 1.611065148 | 3.347134499 | 0.002801561 | 0.139111695 |
| ENSG00000070081 | NUCB2 | -1.197939384 | 7.480931463 | -3.415542839 | 0.002374443 | 0.133062109 |
| ENSG00000105767 | CADM4 | 1.574433545 | 5.376301991 | 3.382939931 | 0.002569438 | 0.13572409 |
| ENSG00000144199 | FAHD2B | 1.650708011 | 4.773915258 | 3.367536402 | 0.002666908 | 0.13572409 |
| ENSG00000181240 | SLC25A41 | 1.680012775 | 0.855370121 | 3.341533062 | 0.002839673 | 0.139380529 |
| ENSG00000073605 | GSDMB | 1.401809353 | 5.197486322 | 3.374346352 | 0.00262338 | 0.13572409 |
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| ENSG00000138606 | SHF | 1.706677123 | 3.816632057 | 3.342900518 | 0.002830323 | 0.139380529 |
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| ENSG00000197599 | CCDC154 | 1.935009881 | 2.6878753 | 3.3357199 | 0.002879759 | 0.139380529 |
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| ENSG00000198121 | LPAR1 | -2.061465014 | 3.210846464 | -3.328165315 | 0.002932677 | 0.139868168 |
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| ENSG00000149269 | PAK1 | -0.918124609 | 6.487348381 | -3.380749345 | 0.002583085 | 0.13572409 |
| ENSG00000243317 | C7orf73 | 1.648380283 | 2.884456706 | 3.316780905 | 0.00301421 | 0.141181981 |
| ENSG00000108387 | SEPT4 | 1.85156238 | 6.179266896 | 3.370674779 | 0.002646761 | 0.13572409 |
| ENSG00000133106 | EPSTI1 | -2.041323639 | 4.477915043 | -3.321056658 | 0.002983332 | 0.140772643 |
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| ENSG00000143178 | TBX19 | 1.711652882 | 2.721857089 | 3.303344054 | 0.003113278 | 0.143847244 |
| ENSG00000137726 | FXYP6 | 1.825031006 | 2.457591106 | 3.302853984 | 0.00311695 | 0.143847244 |
| ENSG00000159166 | LAD1 | 3.580088932 | 4.978823819 | 3.331426083 | 0.002909721 | 0.139868168 |
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| ENSG00000206075 | SERPINB5 | 3.226777836 | 4.918973547 | 3.29999728 | 0.003138441 | 0.143992026 |
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| ENSG00000186635 | ARAP1 | -0.909047996 | 7.923191734 | -3.203617484 | 0.003953936 | 0.159900029 |
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| ENSG00000182134 | TDRKH | 1.294792839 | 4.248469064 | 3.120458585 | 0.004819275 | 0.169125787 |
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| ENSG00000186007 | LEMD1 | 2.431320697 | 2.412035627 | 3.089415203 | 0.005186973 | 0.174280057 |
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| ENSG00000172137 | CALB2 | 2.684364667 | 3.216129161 | 3.079121862 | 0.005314749 | 0.174813374 |
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| ENSG00000197363 | ZNF517 | 1.448830177 | 3.819843971 | 3.055342338 | 0.005621618 | 0.180017961 |
| ENSG00000156395 | SORCS3 | 2.496957867 | 1.698394053 | 3.037105679 | 0.005868422 | 0.184902433 |
| ENSG00000136104 | RNASEH2B | -1.164285382 | 5.587135244 | -3.093131824 | 0.005141567 | 0.173125161 |
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| ENSG00000188234 | AGAP4 | 1.046245706 | 5.230889379 | 3.087865259 | 0.005206022 | 0.174546347 |
| ENSG00000126562 | WNK4 | 2.008772003 | 2.597310041 | 3.028852219 | 0.00598351 | 0.187774498 |
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| ENSG00000116157 | GPX7 | -1.750147887 | 3.45123765 | -3.024829934 | 0.006040379 | 0.187948647 |
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| ENSG00000158869 | FCER1G | -2.094313317 | 5.036064157 | -3.049849141 | 0.00569489 | 0.181623007 |
| ENSG00000064309 | CDON | 1.475012107 | 4.33585633 | 3.043018627 | 0.005787281 | 0.183121442 |
| ENSG00000159733 | ZFYVE28 | 1.476383426 | 3.334692608 | 3.018011001 | 0.006137976 | 0.188845072 |
| ENSG00000145569 | FAM105A | -1.674516927 | 3.224566861 | -3.012188874 | 0.006222502 | 0.189167736 |
| ENSG00000197635 | DPP4 | -2.512066043 | 3.007293081 | -3.01275751 | 0.006214198 | 0.189167736 |
| ENSG00000130635 | COL5A1 | -2.118550753 | 10.09709301 | -3.135566877 | 0.004649539 | 0.1673955 |
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| ENSG00000165698 | C9orf9 | 1.616144163 | 2.58851501 | 3.009910424 | 0.006255884 | 0.189167736 |
| ENSG00000124731 | TREM1 | -1.713241753 | 1.949911734 | -3.008962393 | 0.006269824 | 0.189167736 |

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| ENSG00000103351 | CLUAP1 | 1.346598522 | 4.651819633 | 3.046564009 | 0.005739147 | 0.18229344 |
| ENSG00000163132 | MSX1 | -2.097958348 | 2.600550435 | -3.002993575 | 0.006358278 | 0.189386518 |
| ENSG00000164823 | OSGIN2 | 1.559415325 | 4.06622474 | 3.024791255 | 0.006040928 | 0.187948647 |
| ENSG00000123836 | PFKFB2 | 1.563624747 | 4.111581523 | 3.024226917 | 0.00604895 | 0.187948647 |
| ENSG00000175029 | CTBP2 | 1.012266006 | 4.631149506 | 3.039159579 | 0.005840114 | 0.18438075 |
| ENSG00000149927 | DOC2A | 1.898860708 | 2.969759694 | 3.005920592 | 0.006314753 | 0.189167736 |
| ENSG00000163507 | KIAA1524 | -1.317783138 | 4.457881509 | -3.021104638 | 0.006093512 | 0.188623134 |
| ENSG00000198408 | MGEA5 | 1.027486918 | 7.093615681 | 3.096905036 | 0.005095861 | 0.172325775 |
| ENSG00000196236 | XPNPEP3 | 0.782236731 | 6.325498145 | 3.083388798 | 0.005261418 | 0.174813374 |
| ENSG00000099974 | DDTL | 1.617422498 | 2.368172791 | 2.993797097 | 0.00649691 | 0.190592569 |
| ENSG00000174844 | DNAH12 | 1.602791797 | 0.923880529 | 2.998707999 | 0.006422524 | 0.190502507 |
| ENSG00000109805 | NCAPG | -2.086569249 | 4.347910207 | -3.008132568 | 0.006282051 | 0.189167736 |
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| ENSG00000203685 | C1orf95 | 1.821510175 | 1.3851807 | 2.989667856 | 0.006560093 | 0.190592569 |
| ENSG00000119535 | CSF3R | -1.97171272 | 4.389686562 | -3.005752483 | 0.006317245 | 0.189167736 |
| ENSG00000173705 | SUSD5 | 2.070223817 | 2.235447962 | 2.989549463 | 0.006561914 | 0.190592569 |
| ENSG00000133800 | LYVE1 | -1.716046701 | 1.91659213 | -2.985624835 | 0.006622528 | 0.190592569 |
| ENSG00000186862 | PDZD7 | 1.488982062 | 2.648898044 | 2.985468395 | 0.006624955 | 0.190592569 |
| ENSG00000167880 | EVPL | 2.860137801 | 4.108936394 | 3.007710881 | 0.006288272 | 0.189167736 |
| ENSG00000171522 | PTGER4 | -1.566626731 | 1.596936977 | -2.983773436 | 0.006651308 | 0.190592569 |
| ENSG00000146802 | TMEM168 | 1.349029766 | 4.035862124 | 3.00201923 | 0.00637283 | 0.189386518 |
| ENSG00000048707 | VPS13D | 1.007991338 | 6.534484808 | 3.074288612 | 0.005375787 | 0.175003045 |
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| ENSG00000090857 | P DPR | 1.038470725 | 5.303860122 | 3.035799269 | 0.005886496 | 0.185100225 |
| ENSG00000148225 | WDR31 | 1.736068334 | 2.948156172 | 2.970319712 | 0.006864073 | 0.193712545 |
| ENSG00000100167 | SEPT3 | 2.13401202 | 3.643249285 | 2.978466017 | 0.006734478 | 0.191267263 |
| ENSG00000105609 | LILRB5 | -1.896771965 | 2.793916332 | -2.963018388 | 0.006982252 | 0.196341436 |
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| ENSG00000158109 | TPRG1L | 1.200868155 | 4.357229268 | 2.992510356 | 0.006516536 | 0.190592569 |
| ENSG00000006016 | CRLF1 | 2.844966446 | 4.321843287 | 2.986916121 | 0.006602526 | 0.190592569 |
| ENSG00000163884 | KLF15 | 1.510285873 | 0.974256099 | 2.957901435 | 0.007066233 | 0.197037386 |
| ENSG00000109046 | WSB1 | 0.905833751 | 7.656008431 | 3.062751857 | 0.005524218 | 0.177623974 |
| ENSG00000068078 | FGFR3 | 2.394312901 | 5.415139681 | 3.016990053 | 0.006152718 | 0.18892819 |
| ENSG00000198522 | GPN1 | -1.038275212 | 4.763525841 | -2.983450136 | 0.006656346 | 0.190592569 |
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| ENSG00000167702 | KIFC2 | 2.554326219 | 6.636429086 | 3.042925097 | 0.005788556 | 0.183121442 |
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| ENSG00000049283 | EPN3 | 2.290853045 | 2.708376124 | 2.942231613 | 0.00732946 | 0.199640978 |
| ENSG00000177025 | C19orf18 | 1.764936134 | 1.484768743 | 2.941989131 | 0.007333606 | 0.199640978 |
| ENSG00000196312 | HIATL2 | 1.146037382 | 4.9920758 | 2.997426945 | 0.006441849 | 0.190592569 |
| ENSG00000139364 | TMEM132B | 1.472421941 | 0.923184915 | 2.947605416 | 0.00723815 | 0.199640978 |
| ENSG00000176731 | C8orf59 | 1.284022204 | 4.424083818 | 2.977830357 | 0.006744505 | 0.191267263 |
| ENSG00000185567 | AHNAK2 | 1.994540033 | 3.87166029 | 2.960089843 | 0.007030199 | 0.196983655 |
| ENSG00000255823 | MTRNR2L8 | 1.559270489 | 1.591308545 | 2.93827699 | 0.007397358 | 0.199640978 |
| ENSG00000136999 | NOV | -1.939137388 | 2.800323318 | -2.939681287 | 0.007373179 | 0.199640978 |
| ENSG00000173083 | HPSE | -1.25509242 | 3.82982224 | -2.943072774 | 0.007315095 | 0.199640978 |
| ENSG00000114841 | DNAH1 | 1.582864105 | 5.176021621 | 2.994620463 | 0.006484381 | 0.190592569 |
| ENSG00000196954 | CASP4 | -1.421999298 | 5.4738213 | -2.990442545 | 0.006548195 | 0.190592569 |
| ENSG00000106772 | PRUNE2 | 1.925023333 | 3.294161856 | 2.938079348 | 0.007400767 | 0.199640978 |
| ENSG00000166819 | PLIN1 | 2.77055954 | 2.282471361 | 2.93636533 | 0.007430395 | 0.199640978 |
| ENSG00000134779 | TPGS2 | -1.218444201 | 6.219063146 | -3.006183983 | 0.006310851 | 0.189167736 |
| ENSG00000180438 | TPRXL | 1.631102038 | 1.242356072 | 2.925171191 | 0.007626697 | 0.202146129 |
| ENSG00000163444 | TMEM183A | 1.17121071 | 4.047689626 | 2.945929018 | 0.007266518 | 0.199640978 |
| ENSG00000203666 | EFCAB2 | 1.267229321 | 3.025814939 | 2.922879703 | 0.007667487 | 0.202884563 |
| ENSG00000089057 | SLC23A2 | 1.345759483 | 5.446933395 | 2.990576721 | 0.006546136 | 0.190592569 |
| ENSG00000198938 | MT-CO3 | 1.051737166 | 7.421435888 | 3.025365797 | 0.006032773 | 0.187948647 |
| ENSG00000131746 | TNS4 | 3.203133121 | 3.66017769 | 2.925191033 | 0.007626345 | 0.202146129 |
| ENSG00000050327 | ARHGEF5 | 1.825152612 | 2.973775092 | 2.910994081 | 0.007882424 | 0.205795524 |
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| ENSG00000198910 | L1CAM | -2.088656332 | 2.907032378 | -2.906863754 | 0.007958453 | 0.206634589 |
| ENSG00000146411 | SLC2A12 | -1.873234908 | 1.726321502 | -2.911134209 | 0.007879856 | 0.205795524 |
| ENSG00000160255 | ITGB2 | -1.660231124 | 7.189783262 | -3.009721989 | 0.006258652 | 0.189167736 |
| ENSG00000110844 | PRPF40B | 1.138591107 | 4.38468005 | 2.937682952 | 0.007407609 | 0.199640978 |
| ENSG00000164828 | SUN1 | 1.153280117 | 7.859936883 | 3.021021743 | 0.006094699 | 0.188623134 |
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| ENSG00000108176 | DNAJC12 | -1.394581674 | 1.885804208 | -2.901074219 | 0.008066202 | 0.20815316 |
| ENSG00000183779 | ZNF703 | -1.465811267 | 2.349905201 | -2.897337339 | 0.008136487 | 0.208713002 |
| ENSG00000112183 | RBM24 | -1.101036629 | 0.664813302 | -2.918132935 | 0.007752647 | 0.20410534 |
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| ENSG00000143951 | WDPCP | 1.191848553 | 4.378587102 | 2.932094887 | 0.007504706 | 0.200607056 |
| ENSG00000126602 | TRAP1 | 1.014587808 | 6.087180006 | 2.987617767 | 0.006591681 | 0.190592569 |
| ENSG00000174428 | GTF2IRD2B | 1.231393146 | 5.160332578 | 2.958776722 | 0.007051799 | 0.197037386 |
| ENSG00000196141 | SPATS2L | -1.098005098 | 7.285278183 | -3.002217038 | 0.006369873 | 0.189386518 |
| ENSG00000140368 | PSTPIP1 | -2.018884745 | 4.059660188 | -2.901664388 | 0.008055155 | 0.20815316 |
| ENSG00000092470 | WDR76 | -1.443488866 | 4.624491963 | -2.919276409 | 0.00773205 | 0.20390521 |
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| ENSG00000108924 | HLF | 1.881930823 | 1.301593483 | 2.888191592 | 0.008310975 | 0.211357391 |
| ENSG00000176853 | FAM91A1 | 1.199539645 | 4.546480506 | 2.928408771 | 0.007569419 | 0.201404143 |
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| ENSG00000148600 | CDHR1 | 1.969734434 | 2.106480722 | 2.88721378 | 0.00832984 | 0.211494371 |
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| ENSG00000112984 | KIF20A | -2.055609231 | 5.367309654 | -2.931051797 | 0.007522965 | 0.200753125 |
| ENSG00000111206 | FOXM1 | -1.779324654 | 5.296921707 | -2.928203877 | 0.007573032 | 0.201404143 |
| ENSG00000065357 | DGKA | 1.221244222 | 5.987909293 | 2.969514732 | 0.006877008 | 0.193729149 |
| ENSG00000071539 | TRIP13 | -1.878982759 | 4.692875468 | -2.90638893 | 0.007967238 | 0.206634589 |
| ENSG00000100558 | PLEK2 | -1.416156109 | 3.237350909 | -2.879092917 | 0.008488101 | 0.211635496 |
| ENSG00000065413 | ANKRD44 | -1.157441856 | 3.866034835 | -2.89046025 | 0.008267362 | 0.210816857 |
| ENSG00000135775 | COG2 | 0.869182635 | 5.538854095 | 2.956094512 | 0.007096119 | 0.197420563 |
| ENSG00000130414 | NDUFA10 | 0.742905786 | 6.963733547 | 2.98781459 | 0.006588642 | 0.190592569 |
| ENSG00000128536 | CDHR3 | 1.623064237 | 2.560427421 | 2.876668331 | 0.008535904 | 0.211635496 |
| ENSG00000141448 | GATA6 | 2.167271283 | 1.99555901 | 2.873625895 | 0.008596252 | 0.212081439 |
| ENSG00000088325 | TPX2 | -1.640934224 | 7.000109496 | -2.976931772 | 0.006758705 | 0.191267263 |
| ENSG00000172987 | HPSE2 | 2.137748988 | 0.853349445 | 2.877780191 | 0.008513951 | 0.211635496 |
| ENSG00000110169 | HPX | 1.526494362 | 2.525245501 | 2.870418859 | 0.008660305 | 0.212985948 |
| ENSG00000166851 | PLK1 | -1.404850593 | 5.398549844 | -2.934251596 | 0.007467088 | 0.200003473 |
| ENSG00000184381 | PLA2G6 | 1.561596625 | 5.137042036 | 2.936659878 | 0.007425296 | 0.199640978 |
| ENSG00000160953 | MUM1 | 0.764759857 | 5.82817525 | 2.957686087 | 0.007069788 | 0.197037386 |
| ENSG00000090520 | DNAJB11 | -0.802162292 | 7.710558621 | -2.987454985 | 0.006594196 | 0.190592569 |
| ENSG00000180113 | TDRD6 | 1.676751536 | 1.289586014 | 2.869754235 | 0.008673636 | 0.212985948 |
| ENSG00000135047 | CTSL | -0.786571345 | 7.24544267 | -2.980018236 | 0.006710051 | 0.191267263 |
| ENSG00000121933 | ADORA3 | -1.668255413 | 2.46250803 | -2.863827988 | 0.008793371 | 0.214582864 |
| ENSG00000165891 | E2F7 | -1.705058891 | 1.952792342 | -2.864599638 | 0.008777692 | 0.214533893 |
| ENSG00000107165 | TYRP1 | 1.132614112 | 0.471815872 | 2.876999194 | 0.008529366 | 0.211635496 |
| ENSG00000183479 | TREX2 | 1.159098066 | 0.471815872 | 2.876863982 | 0.008532037 | 0.211635496 |
| ENSG00000085117 | CD82 | -1.386475616 | 6.503032027 | -2.949582207 | 0.007204836 | 0.199384616 |
| ENSG00000136156 | ITM2B | -1.278931224 | 8.661725126 | -2.98484132 | 0.006634693 | 0.190592569 |
| ENSG00000150712 | MTMR12 | 1.494131964 | 5.793003353 | 2.941172616 | 0.007347584 | 0.199640978 |
| ENSG00000196724 | ZNF418 | 1.362891457 | 3.139035671 | 2.854473251 | 0.008985583 | 0.216743807 |
| ENSG00000149573 | MPZL2 | 2.068080961 | 4.946369454 | 2.91110902 | 0.007880318 | 0.205795524 |
| ENSG00000123560 | PLP1 | 2.141889153 | 1.223600266 | 2.851027987 | 0.009057375 | 0.216975987 |
| ENSG00000128607 | KLHDC10 | 1.130924086 | 4.17770148 | 2.880967024 | 0.008451326 | 0.211635496 |
| ENSG00000012779 | ALOX5 | -1.688463924 | 4.540681574 | -2.877180513 | 0.008525785 | 0.211635496 |
| ENSG00000151474 | FRMD4A | -1.206066409 | 5.540896711 | -2.912892695 | 0.007847708 | 0.205795524 |
| ENSG00000170485 | NPAS2 | 1.244138613 | 6.183060778 | 2.937524818 | 0.00741034 | 0.199640978 |
| ENSG00000118705 | RPN2 | -0.801739379 | 9.903540202 | -2.9796196 | 0.006716316 | 0.191267263 |
| ENSG00000124145 | SDC4 | 1.372838187 | 7.145448733 | 2.952981836 | 0.007147885 | 0.198508778 |
| ENSG00000128159 | TUBGCP6 | 1.025111074 | 7.058019601 | 2.95071652 | 0.007185785 | 0.199208764 |
| ENSG00000189180 | ZNF33A | 1.187359414 | 4.720114022 | 2.885961257 | 0.008354065 | 0.211538892 |
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| ENSG00000106299 | WASL | 1.153864375 | 4.896866868 | 2.889995202 | 0.008276285 | 0.210816857 |
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| ENSG00000128346 | C22orf23 | 1.936018323 | 2.825406646 | 2.824300739 | 0.009633138 | 0.222604416 |
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| ENSG00000197381 | ADARB1 | 1.379928091 | 5.43948472 | 2.900399333 | 0.008078852 | 0.20815316 |
| ENSG00000144847 | IGSF11 | 1.51906667 | 0.780069656 | 2.828809303 | 0.009533635 | 0.222604416 |
| ENSG00000164574 | GALNT10 | -1.242652518 | 5.14432911 | -2.876576808 | 0.008537714 | 0.211635496 |
| ENSG00000155096 | AZIN1 | 0.863733247 | 7.505920689 | 2.94140456 | 0.007343611 | 0.199640978 |
| ENSG00000198846 | TOX | 1.816030848 | 3.921408689 | 2.843245051 | 0.009221569 | 0.219555976 |
| ENSG00000107186 | MPDZ | 1.196813469 | 5.984380491 | 2.911306763 | 0.007876696 | 0.205795524 |
| ENSG00000126368 | NR1D1 | 1.266945383 | 4.321676 | 2.85432131 | 0.008988738 | 0.216743807 |
| ENSG00000156345 | CDK20 | 1.412253297 | 2.95882411 | 2.81669123 | 0.009803319 | 0.223096051 |
| ENSG00000181392 | SYNE4 | 1.798210185 | 3.14099195 | 2.816040055 | 0.009818014 | 0.223096051 |
| ENSG00000157349 | DDX19B | 1.672522522 | 2.206170491 | 2.808355001 | 0.009993028 | 0.224251118 |
| ENSG00000188282 | RUFY4 | -2.172027866 | 2.103281334 | -2.817307085 | 0.00978944 | 0.223096051 |
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| ENSG00000067191 | CACNB1 | 1.81342373 | 4.454980708 | 2.848734316 | 0.009105473 | 0.217795685 |
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| ENSG00000212997 | AC023632.1 | 1.001391663 | 0.428464954 | 2.82112834 | 0.009703742 | 0.222604416 |
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| ENSG00000169242 | EFNA1 | 1.165084669 | 6.403745931 | 2.901142776 | 0.008064918 | 0.20815316 |
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| ENSG00000154274 | C4orf19 | 1.337063408 | 0.873302744 | 2.802644239 | 0.010124994 | 0.225262867 |
| ENSG00000171435 | KSR2 | 1.148861673 | 0.64348565 | 2.807869103 | 0.010004192 | 0.224251118 |
| ENSG00000186897 | C1QL4 | 1.91749123 | 1.413123029 | 2.791393548 | 0.01038983 | 0.227691095 |
| ENSG00000144115 | THNSL2 | 1.537992578 | 4.559755235 | 2.838393463 | 0.009325349 | 0.221367696 |
| ENSG00000016391 | CHDH | 1.779490674 | 3.681729983 | 2.803147096 | 0.010113308 | 0.225262867 |
| ENSG00000214046 | SMIM7 | 1.146535981 | 5.633184766 | 2.874658959 | 0.008575716 | 0.211918617 |
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| ENSG00000139329 | LUM | -2.4080921 | 7.95029641 | -2.907535626 | 0.007946038 | 0.206634589 |
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| ENSG00000123146 | CD97 | -1.249233083 | 6.192695474 | -2.87194981 | 0.008629671 | 0.212571704 |
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| ENSG00000198089 | SFI1 | 1.065486186 | 6.548875543 | 2.885034181 | 0.008372038 | 0.211538892 |
| ENSG00000169764 | UGP2 | 0.84765629 | 7.309435207 | 2.89622094 | 0.008157597 | 0.208810537 |
| ENSG00000109099 | PMP22 | 1.032951103 | 6.468701092 | 2.881564286 | 0.008439638 | 0.211635496 |
| ENSG00000100253 | MIOX | 1.493743476 | 1.683274976 | 2.765397791 | 0.011027092 | 0.229449642 |
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| ENSG00000124733 | MEA1 | -0.814396564 | 6.899462128 | -2.881295134 | 0.008444903 | 0.211635496 |
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| ENSG00000143369 | ECM1 | -1.570145227 | 5.915191409 | -2.85414354 | 0.00899243 | 0.216743807 |
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| ENSG00000171659 | GPR34 | -1.30996803 | 0.811895855 | -2.775615947 | 0.010772309 | 0.228055323 |
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| ENSG00000124570 | SERPINB6 | -0.887566165 | 6.65180968 | -2.864602261 | 0.008777638 | 0.214533893 |
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| ENSG00000184602 | SNN | -1.345306787 | 2.077156016 | -2.749129259 | 0.011444541 | 0.233823296 |
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| ENSG00000155792 | DEPTOR | 1.444386551 | 3.565201564 | 2.761310785 | 0.011130588 | 0.229802695 |
| ENSG00000215915 | ATAD3C | 1.977068827 | 4.324832548 | 2.785399124 | 0.010533605 | 0.227793619 |
| ENSG00000196757 | ZNF700 | 1.3913355 | 2.669199708 | 2.738381323 | 0.011728484 | 0.23562562 |
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| ENSG00000124191 | TOX2 | -2.260080756 | 2.075109887 | -2.737757073 | 0.011745178 | 0.23562562 |
| ENSG00000149380 | P4HA3 | -1.960836719 | 3.592760181 | -2.747228053 | 0.01149429 | 0.234362835 |
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| ENSG00000185155 | MIXL1 | 1.328513523 | 1.175025274 | 2.735880582 | 0.011795498 | 0.23562562 |
| ENSG00000213390 | ARHGAP19 | 1.018718943 | 0.428464954 | 2.754530902 | 0.011304305 | 0.232251022 |
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| ENSG00000160145 | KALRN | 1.365077375 | 5.639814673 | 2.818138838 | 0.009770726 | 0.223096051 |
| ENSG00000066777 | ARFGEF1 | 1.078888193 | 6.820436721 | 2.845667736 | 0.009170157 | 0.219009036 |
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| ENSG00000026508 | CD44 | 1.355574043 | 7.893081896 | 2.8587164 | 0.008897909 | 0.215601632 |
| ENSG00000183421 | RIPK4 | 1.84234964 | 3.728494504 | 2.739576604 | 0.01169658 | 0.23562562 |
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| ENSG00000168961 | LGALS9 | -1.398117579 | 4.754951349 | -2.765474671 | 0.011025154 | 0.229449642 |
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| ENSG00000124813 | RUNX2 | -2.006620093 | 3.755445527 | -2.728490471 | 0.011995655 | 0.236672314 |
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| ENSG00000124225 | PMEP1A1 | -1.265976273 | 6.41013358 | -2.819194856 | 0.009747014 | 0.223096051 |
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| ENSG00000217442 | SYCE3 | 1.376613493 | 0.848438563 | 2.722552537 | 0.012158802 | 0.236720555 |
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| ENSG00000035115 | SH3YL1 | 1.400875833 | 6.276187968 | 2.822861806 | 0.009665102 | 0.222604416 |
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| ENSG00000215529 | EFCAB8 | 1.053503832 | 0.428464954 | 2.734892898 | 0.011822065 | 0.23562562 |
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| ENSG00000215045 | GRID2IP | 1.683405224 | 2.031743453 | 2.704594019 | 0.012665058 | 0.240119332 |
| ENSG00000167553 | TUBA1C | -1.090966207 | 5.058731808 | -2.772550764 | 0.010848146 | 0.228055323 |
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| ENSG00000166352 | C11orf74 | -1.558301693 | 2.606378379 | -2.701555427 | 0.01275266 | 0.240218464 |
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| ENSG00000156253 | RWDD2B | 1.268504247 | 3.815010325 | 2.725048768 | 0.012089963 | 0.236720555 |
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| ENSG00000024862 | CCDC28A | 1.21135379 | 4.1980832 | 2.734994038 | 0.011819342 | 0.23562562 |
| ENSG00000197261 | C6orf141 | 1.824781606 | 2.25715371 | 2.689651664 | 0.013101375 | 0.242136245 |
| ENSG00000164695 | CHMP4C | 1.824946535 | 3.727939667 | 2.7166265 | 0.012323708 | 0.238242118 |
| ENSG00000179456 | ZBTB18 | 1.327526794 | 0.844748225 | 2.705804563 | 0.012630317 | 0.240119332 |
| ENSG00000186684 | CYP27C1 | 1.776276985 | 2.281242577 | 2.695181306 | 0.012938283 | 0.241908226 |
| ENSG00000168542 | COL3A1 | -2.23796089 | 12.84084138 | -2.866447792 | 0.008740247 | 0.214286276 |
| ENSG00000183423 | LRIT3 | 1.171733502 | 0.651750794 | 2.710588996 | 0.012493886 | 0.239152111 |
| ENSG00000117280 | RAB7L1 | 1.095694939 | 5.151567202 | 2.772850494 | 0.010840708 | 0.228055323 |
| ENSG00000198753 | PLXNB3 | 1.430139308 | 5.7441532 | 2.792607484 | 0.010360942 | 0.227375572 |
| ENSG00000124216 | SNAI1 | -1.611734083 | 1.540159717 | -2.696448061 | 0.012901192 | 0.241854961 |
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| ENSG00000167920 | TMEM99 | 1.084668556 | 0.428464954 | 2.715698182 | 0.012349732 | 0.23835134 |
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| ENSG00000198888 | MT-ND1 | 1.06039621 | 8.062853977 | 2.830382533 | 0.009499144 | 0.222604416 |
| ENSG00000204525 | HLA-C | -1.189768798 | 11.32801727 | -2.852530925 | 0.00902599 | 0.216975987 |
| ENSG00000172197 | MBOAT1 | 1.80119371 | 5.42298694 | 2.774276222 | 0.010805394 | 0.228055323 |
| ENSG00000204592 | HLA-E | -1.09107865 | 8.777120152 | -2.833581796 | 0.009429371 | 0.222604416 |
| ENSG00000104972 | LILRB1 | -1.9383821 | 3.98690254 | -2.700833675 | 0.012773551 | 0.240323492 |
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| ENSG00000180879 | SSR4 | -0.833652333 | 8.699860024 | -2.830016404 | 0.00950716 | 0.222604416 |
| ENSG00000196503 | ARL9 | 1.706587769 | 1.627934011 | 2.677295944 | 0.013472821 | 0.243273341 |
| ENSG00000169862 | CTNND2 | 2.129847426 | 1.916691853 | 2.681459747 | 0.013346552 | 0.242859904 |
| ENSG00000157823 | AP3S2 | 1.244844945 | 2.778017601 | 2.680789035 | 0.013366816 | 0.242859904 |
| ENSG00000086159 | AQP6 | 1.565075886 | 1.195450105 | 2.682829219 | 0.013305266 | 0.242859904 |
| ENSG00000251322 | SHANK3 | 0.933184262 | 5.288847482 | 2.762782484 | 0.011093214 | 0.229601667 |
| ENSG00000186648 | LRRC16B | 2.171658528 | 2.752151308 | 2.675233396 | 0.013535785 | 0.243273341 |
| ENSG00000187514 | PTMA | 0.755519115 | 6.59812813 | 2.79944969 | 0.010199534 | 0.226046452 |
| ENSG00000136636 | KCTD3 | 1.014989008 | 6.167664317 | 2.789605745 | 0.010432514 | 0.227793619 |
| ENSG00000160781 | PAQR6 | 1.714739977 | 3.34633303 | 2.686311499 | 0.013200826 | 0.242734786 |
| ENSG00000115138 | POMC | 1.734534651 | 0.744256599 | 2.683577098 | 0.01328277 | 0.242859904 |
| ENSG00000072682 | P4HA2 | -1.336191395 | 7.719893092 | -2.809281412 | 0.009971775 | 0.224251118 |
| ENSG00000083307 | GRHL2 | 2.852719202 | 4.203686018 | 2.708433941 | 0.012555166 | 0.239371939 |
| ENSG00000164742 | ADCY1 | -2.163668908 | 2.817799381 | -2.670218368 | 0.013690036 | 0.243273341 |
| ENSG00000164975 | SNAPC3 | 0.849087223 | 5.576599482 | 2.766215197 | 0.011006502 | 0.229449642 |
| ENSG00000182827 | ACBD3 | 0.81612853 | 6.252583023 | 2.785149776 | 0.010539626 | 0.227793619 |
| ENSG00000164692 | COL1A2 | -1.811815615 | 13.77255545 | -2.844414332 | 0.009196721 | 0.21930966 |
| ENSG00000185917 | SETD4 | 0.988455754 | 4.705864534 | 2.728159458 | 0.012004695 | 0.236672314 |
| ENSG00000126351 | THRA | 0.994961231 | 5.319768412 | 2.754207633 | 0.011312652 | 0.232251022 |
| ENSG00000180902 | D2HGDH | 1.225032182 | 4.992531223 | 2.741290945 | 0.011650966 | 0.23562562 |
| ENSG00000196177 | ACADSB | 1.607742204 | 2.934169504 | 2.666438813 | 0.013807379 | 0.243428747 |
| ENSG00000165323 | FAT3 | -1.755853032 | 2.096527053 | -2.660799947 | 0.013984208 | 0.245168941 |
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| ENSG00000169398 | PTK2 | 0.935097674 | 8.371553604 | 2.814487415 | 0.009853136 | 0.223096051 |
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| ENSG00000198887 | SMC5 | 1.0160195 | 5.890500059 | 2.765460563 | 0.01102551 | 0.229449642 |
| ENSG00000164465 | DCBLD1 | -1.577865681 | 4.005096056 | -2.67442474 | 0.013560546 | 0.243273341 |
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| ENSG00000138380 | CARF | 1.428277982 | 3.408473736 | 2.667923134 | 0.013761183 | 0.243428747 |
| ENSG00000142207 | URB1 | 0.925277797 | 6.828337717 | 2.785474342 | 0.010531789 | 0.227793619 |
| ENSG00000103653 | CSK | -0.975105845 | 6.901651578 | -2.782844015 | 0.01059546 | 0.228055323 |
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| ENSG00000162739 | SLAMF6 | -1.256884127 | 0.823420573 | -2.676448542 | 0.013498656 | 0.243273341 |
| ENSG00000123975 | CKS2 | -1.154656347 | 1.146470755 | -2.668745886 | 0.01373564 | 0.243428747 |
| ENSG00000124155 | PIGT | -0.838333373 | 8.010961824 | -2.797871308 | 0.010236555 | 0.226546946 |
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| ENSG00000185100 | ADSSL1 | -1.787660654 | 3.837403968 | -2.666573939 | 0.013803168 | 0.243428747 |
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| ENSG00000172819 | RARG | 0.858012357 | 6.200926629 | 2.766786783 | 0.010992126 | 0.229449642 |
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| ENSG00000151690 | MFSDF6 | 1.490669252 | 3.759818363 | 2.670324871 | 0.013686743 | 0.243273341 |
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| ENSG00000109610 | SOD3 | 2.528504359 | 3.805461848 | 2.676618087 | 0.013493484 | 0.243273341 |
| ENSG00000165548 | TMEM63C | 1.646617624 | 2.061456796 | 2.64490776 | 0.014494097 | 0.249371574 |
| ENSG00000106683 | LIMK1 | -0.768529756 | 6.518408942 | -2.764539234 | 0.011048757 | 0.229449642 |
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| ENSG00000143578 | CREB3L4 | 1.377644282 | 4.595298086 | 2.699934822 | 0.012799614 | 0.240525449 |
| ENSG00000003756 | RBM5 | 0.819345949 | 6.939234362 | 2.774596755 | 0.010797469 | 0.228055323 |
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| ENSG00000163898 | LIPH | 1.918935075 | 3.442001557 | 2.651502328 | 0.01428043 | 0.24791533 |
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| ENSG00000173614 | NMNAT1 | 0.826680425 | 4.797750096 | 2.705219411 | 0.012647099 | 0.240119332 |
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| ENSG00000006047 | YBX2 | 2.044042134 | 2.745624742 | 2.631962164 | 0.014922305 | 0.253172451 |
| ENSG00000107968 | MAP3K8 | 1.415547334 | 3.132909016 | 2.63957213 | 0.014669169 | 0.25079937 |
| ENSG00000198721 | ECI2 | -1.509273365 | 3.990929499 | -2.651599444 | 0.014277305 | 0.24791533 |
| ENSG00000138764 | CCNG2 | 1.187815999 | 5.436219215 | 2.726540009 | 0.012049015 | 0.236720555 |
| ENSG00000160211 | G6PD | -1.034806089 | 6.197230992 | -2.745039556 | 0.011551809 | 0.234792022 |
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| ENSG00000158246 | FAM46B | 1.611492105 | 1.392698199 | 2.630162344 | 0.01498277 | 0.253334753 |
| ENSG00000136490 | LIMD2 | -1.532380309 | 4.43841542 | -2.668424534 | 0.013745611 | 0.243428747 |
| ENSG00000129657 | SEC14L1 | -0.966283908 | 5.385150836 | -2.711771347 | 0.012460386 | 0.239152111 |
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| ENSG00000105137 | SYDE1 | -1.400475014 | 4.818739553 | -2.67995027 | 0.013392198 | 0.242932926 |
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| ENSG00000105329 | TGFB1 | -1.746408416 | 7.016443466 | -2.753473616 | 0.011331625 | 0.232251022 |
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| ENSG00000159763 | PIP | 1.518883924 | 0.583304261 | 2.634931355 | 0.014823054 | 0.252265233 |
| ENSG00000079102 | RUNX1T1 | -1.571909433 | 1.689427265 | -2.613538812 | 0.015552216 | 0.25472841 |
| ENSG00000143614 | GATAD2B | 0.743229207 | 5.292670068 | 2.704266154 | 0.012674483 | 0.240119332 |
| ENSG00000213901 | SLC23A3 | 1.474302021 | 2.518770534 | 2.611563291 | 0.015621221 | 0.255059922 |
| ENSG00000161203 | AP2M1 | -0.834261322 | 9.13344569 | -2.772263736 | 0.010855273 | 0.228055323 |
| ENSG00000008516 | MMP25 | 1.157817715 | 1.124447489 | 2.617781218 | 0.015404992 | 0.25411309 |
| ENSG00000164292 | RHOBTB3 | 1.035485476 | 5.535525958 | 2.709486541 | 0.0125252 | 0.239252544 |

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| ENSG00000157388 | CACNA1D | 1.495464643 | 3.277731483 | 2.619020146 | 0.015362245 | 0.25379187 |
| ENSG00000166509 | CLEC3A | 1.440708446 | 0.745255015 | 2.625324341 | 0.015146447 | 0.253762255 |
| ENSG00000186710 | CCDC42B | 1.328529181 | 0.730187485 | 2.623633178 | 0.015204056 | 0.253762255 |
| ENSG00000197283 | SYNGAP1 | 1.136400661 | 5.133863281 | 2.690573863 | 0.013074041 | 0.242136245 |
| ENSG00000166689 | PLEKHA7 | 1.790993631 | 4.756791835 | 2.671648947 | 0.013645867 | 0.243273341 |
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| ENSG00000168078 | PBK | -1.780346882 | 3.881461558 | -2.61266996 | 0.01558253 | 0.254958785 |
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| ENSG00000166845 | C18orf54 | -1.213100777 | 1.529901656 | -2.602331085 | 0.015947527 | 0.257344834 |
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| ENSG00000147174 | ACRC | 1.297937433 | 2.311966574 | 2.587417712 | 0.016488151 | 0.259758883 |
| ENSG00000198625 | MDM4 | 0.997837872 | 5.726646471 | 2.701771145 | 0.012746422 | 0.240218464 |
| ENSG00000151276 | MAG1 | 1.246976783 | 4.614263105 | 2.657192709 | 0.014098441 | 0.246071908 |
| ENSG00000196275 | GTF2IRD2 | 0.917322323 | 6.094431471 | 2.711117568 | 0.0124789 | 0.239152111 |
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| ENSG00000204775 | KM-PA-2 | 1.082838327 | 0.614931131 | 2.614337209 | 0.015524409 | 0.25472841 |
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| ENSG00000084072 | PPIE | -0.78925207 | 5.64612727 | -2.680594626 | 0.013372695 | 0.242859904 |
| ENSG00000105855 | ITGB8 | 1.818138626 | 3.625650066 | 2.602354335 | 0.015946698 | 0.257344834 |
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| ENSG00000165272 | AQP3 | 2.358196274 | 4.262358513 | 2.628766224 | 0.015029832 | 0.253729392 |
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| ENSG00000189320 | FAM180A | 1.895939549 | 2.125555801 | 2.578833732 | 0.016807059 | 0.260335211 |
| ENSG00000124006 | OBSL1 | 0.9907259 | 7.464391473 | 2.727548302 | 0.012021403 | 0.236672314 |
| ENSG00000158406 | HIST1H4H | 1.594410919 | 2.255480701 | 2.576545076 | 0.016893056 | 0.261409208 |
| ENSG00000196482 | ESRRG | 1.363204792 | 1.189821672 | 2.584319614 | 0.016602592 | 0.259758883 |
| ENSG00000074181 | NOTCH3 | -1.191686547 | 8.534438626 | -2.736074492 | 0.011790288 | 0.23562562 |
| ENSG00000187091 | PLCD1 | 1.29739963 | 5.587729678 | 2.682220096 | 0.013323615 | 0.242859904 |
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| ENSG00000187742 | SECISBP2 | 0.830047946 | 5.986183386 | 2.69424712 | 0.012965701 | 0.241908226 |
| ENSG00000070731 | ST6GALNAC2 | 1.605735213 | 4.331604999 | 2.62803247 | 0.015054621 | 0.253729392 |
| ENSG00000266967 | AARSD1 | 1.26178408 | 3.038147232 | 2.580360334 | 0.016749925 | 0.260146406 |
| ENSG00000159063 | ALG8 | -0.817993225 | 6.077123158 | -2.689994171 | 0.013091217 | 0.242136245 |
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| ENSG00000107331 | ABCA2 | 1.126026993 | 7.333905645 | 2.720904192 | 0.012204461 | 0.236720555 |
| ENSG00000172243 | CLEC7A | -1.525629842 | 4.600339846 | -2.617344506 | 0.015420086 | 0.25411309 |
| ENSG00000054282 | SDCCAG8 | 0.755157993 | 6.145882318 | 2.695633822 | 0.012925022 | 0.241908226 |
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| ENSG00000000938 | FGR | -1.503909661 | 3.149675624 | -2.570040564 | 0.017139715 | 0.262859727 |
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| ENSG00000146112 | PPP1R18 | -1.077168047 | 5.014974596 | -2.640508149 | 0.014638313 | 0.250753029 |
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| ENSG00000137474 | MYO7A | -1.51916193 | 3.730381668 | -2.574512692 | 0.016969767 | 0.262080014 |
| ENSG00000165794 | SLC39A2 | 1.181542847 | 0.52892491 | 2.584722847 | 0.016587655 | 0.259758883 |
| ENSG00000119138 | KLF9 | 1.639928817 | 1.889423183 | 2.560285414 | 0.017515961 | 0.264364464 |
| ENSG00000104549 | SQLE | 1.345472403 | 6.261893855 | 2.685967505 | 0.013211109 | 0.242734786 |
| ENSG00000120008 | WDR11 | 0.883184306 | 6.455973475 | 2.690175882 | 0.013085831 | 0.242136245 |
| ENSG00000166979 | EVA1C | 1.358539728 | 4.095438748 | 2.600603165 | 0.016009305 | 0.2573791 |
| ENSG00000185019 | UBOX5 | 0.997513454 | 3.751189843 | 2.585818275 | 0.01654714 | 0.259758883 |
| ENSG00000132549 | VPS13B | 0.935475943 | 5.784573832 | 2.671306162 | 0.013656438 | 0.243273341 |
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| ENSG00000204175 | GPRIN2 | 1.587723691 | 2.206653568 | 2.546655691 | 0.018054578 | 0.268485152 |
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| ENSG00000074706 | IPCEF1 | -1.231962142 | 1.003355496 | -2.572454914 | 0.017047769 | 0.262508881 |
| ENSG00000129277 | CCL4 | -1.524981564 | 1.500727685 | -2.563756805 | 0.017381197 | 0.264015838 |
| ENSG00000130303 | BST2 | -1.86021775 | 6.735677586 | -2.678446012 | 0.013437833 | 0.243273341 |
| ENSG00000149554 | CHEK1 | -1.102775732 | 4.960160163 | -2.615552505 | 0.015482171 | 0.254377742 |
| ENSG00000184922 | FMNL1 | -1.140701732 | 5.78836355 | -2.652798334 | 0.014238788 | 0.24791533 |
| ENSG00000136943 | CTSV | 2.403751897 | 4.483042453 | 2.610158325 | 0.015670472 | 0.255332684 |
| ENSG00000185905 | C16orf54 | -1.247760465 | 1.526629976 | -2.55429862 | 0.017750671 | 0.266601259 |
| ENSG00000139734 | DIAPH3 | -1.373760421 | 4.428814693 | -2.587704532 | 0.016477594 | 0.259758883 |
| ENSG00000102218 | RP2 | -1.178616133 | 3.513068236 | -2.55603012 | 0.017682488 | 0.266272472 |
| ENSG00000188112 | C6orf132 | 1.830553625 | 3.995534681 | 2.581600804 | 0.016703633 | 0.259758883 |
| ENSG00000104369 | JPH1 | 1.411018879 | 2.387983541 | 2.539659853 | 0.018337005 | 0.271695889 |
| ENSG00000253320 | KB-1507C5.2 | 1.583453284 | 1.223261823 | 2.549059343 | 0.017958482 | 0.267720573 |
| ENSG00000183520 | UTP11L | -0.829622477 | 5.789978109 | -2.649828184 | 0.014334391 | 0.248257088 |
| ENSG00000198682 | PAPSS2 | 1.253989548 | 5.448429387 | 2.642632034 | 0.014568526 | 0.25010366 |
| ENSG00000180758 | GPR157 | 1.232142742 | 4.290293644 | 2.589619443 | 0.016407271 | 0.259758883 |
| ENSG00000159905 | ZNF221 | 1.132595471 | 1.05976892 | 2.549956151 | 0.01792275 | 0.267680294 |
| ENSG00000180739 | S1PR5 | -1.282645896 | 0.99774258 | -2.561196489 | 0.017480497 | 0.264364464 |
| ENSG00000167552 | TUBA1A | -0.974185943 | 7.068098698 | -2.68186945 | 0.013334188 | 0.242859904 |
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| ENSG00000073670 | ADAM11 | 1.485020506 | 2.186152249 | 2.536110285 | 0.018481875 | 0.272811944 |
| ENSG00000131773 | KHDRBS3 | 1.350026775 | 5.661175757 | 2.647950591 | 0.014395137 | 0.249034284 |
| ENSG00000140450 | ARRDC4 | 1.058348332 | 3.686344919 | 2.559696139 | 0.017538934 | 0.264364464 |
| ENSG00000239305 | RNF103 | 1.378788389 | 1.268258363 | 2.539224966 | 0.018354697 | 0.271701465 |
| ENSG00000105011 | ASF1B | -1.798841631 | 3.866864375 | -2.549786287 | 0.017929513 | 0.267680294 |
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| ENSG00000172915 | NBEA | -1.441273404 | 2.560351258 | -2.532843645 | 0.01861614 | 0.2737328 |
| ENSG00000167094 | TTC16 | 1.354695461 | 0.845443839 | 2.547192882 | 0.01803306 | 0.268459908 |
| ENSG00000116898 | MRPS15 | -0.900386895 | 6.753406327 | -2.664462849 | 0.013869102 | 0.244242519 |
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| ENSG00000173531 | MST1 | 1.60058335 | 3.062090879 | 2.531678912 | 0.018664232 | 0.2737328 |
| ENSG00000030582 | GRN | -1.06224154 | 8.895936918 | -2.691929184 | 0.013033968 | 0.242136245 |
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| ENSG00000122585 | NPY | 2.129989443 | 1.475974547 | 2.524719418 | 0.018954014 | 0.275402745 |
| ENSG00000170631 | ZNF16 | 1.097623193 | 3.327075205 | 2.536427862 | 0.01846887 | 0.272811944 |
| ENSG00000156170 | NDUFAF6 | 0.770907263 | 5.381323622 | 2.622372632 | 0.01524713 | 0.253762255 |
| ENSG00000169504 | CLIC4 | 1.132897988 | 6.13097473 | 2.646437534 | 0.014444266 | 0.249060408 |
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| ENSG00000102547 | CAB39L | 1.429615702 | 3.946214547 | 2.551962792 | 0.01784304 | 0.267151856 |
| ENSG00000156966 | B3GNT7 | 1.450391385 | 1.120149639 | 2.524646915 | 0.018957054 | 0.275402745 |
| ENSG00000053918 | KCNQ1 | -1.2887853 | 3.435952522 | -2.523247465 | 0.019015838 | 0.275402745 |
| ENSG00000126870 | WDR60 | 0.819904508 | 6.166103172 | 2.643522282 | 0.014539367 | 0.249876467 |
| ENSG00000172803 | SNX32 | 1.980109711 | 1.702976598 | 2.514378845 | 0.019392328 | 0.278492975 |
| ENSG00000101276 | SLC52A3 | 1.594087518 | 2.567777455 | 2.506748464 | 0.019721795 | 0.278718352 |
| ENSG00000109819 | PPARGC1A | 1.899544013 | 2.368034348 | 2.511387979 | 0.019520853 | 0.278673807 |
| ENSG00000169231 | THBS3 | 1.117781527 | 7.029944761 | 2.661411833 | 0.013964917 | 0.245104601 |
| ENSG00000148848 | ADAM12 | -1.721919192 | 5.588876146 | -2.612151064 | 0.01560066 | 0.254989543 |
| ENSG00000185739 | SRL | 1.057282708 | 0.751515136 | 2.533913782 | 0.018572055 | 0.273371592 |
| ENSG00000085465 | OVGP1 | 1.596995632 | 2.243332044 | 2.504353137 | 0.019826291 | 0.278718352 |
| ENSG00000114378 | HYAL1 | 1.700097105 | 2.360277697 | 2.510547812 | 0.0195571 | 0.278673807 |
| ENSG00000165389 | SPTSSA | 1.074706637 | 4.687227946 | 2.58167053 | 0.016701035 | 0.259758883 |
| ENSG00000150630 | VEGFC | -1.472761281 | 3.360323896 | -2.513650803 | 0.019423541 | 0.278492975 |
| ENSG00000150551 | LYPD1 | -1.095632578 | 0.658282048 | -2.543212227 | 0.018193082 | 0.269818195 |
| ENSG00000171817 | ZNF540 | 1.352861789 | 1.715748381 | 2.503201051 | 0.019876734 | 0.278718352 |
| ENSG00000129450 | SIGLEC9 | -1.661775748 | 2.445536147 | -2.500167674 | 0.020010119 | 0.27934055 |
| ENSG00000163683 | SMIM14 | 0.897082419 | 5.913525875 | 2.628434589 | 0.015041031 | 0.253729392 |
| ENSG00000169217 | CD2BP2 | -0.868156194 | 6.57324797 | -2.640532748 | 0.014637503 | 0.250753029 |
| ENSG00000119280 | C1orf198 | 1.077852236 | 5.305129169 | 2.604823304 | 0.015858818 | 0.25706685 |
| ENSG00000117122 | MFAP2 | -1.328286671 | 7.502451109 | -2.65870789 | 0.014050352 | 0.24582441 |
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| ENSG00000100399 | CHADL | 2.024934357 | 2.019496822 | 2.501610832 | 0.019946556 | 0.279038377 |
| ENSG00000166825 | ANPEP | -1.763733971 | 6.244049474 | -2.620383558 | 0.015315331 | 0.253762255 |
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| ENSG00000256618 | MTRNR2L1 | 1.24501674 | 1.298769497 | 2.498612658 | 0.020078819 | 0.279928073 |
| ENSG00000100385 | IL2RB | -1.757635937 | 2.712259232 | -2.490596931 | 0.020436444 | 0.282483296 |
| ENSG00000007384 | RHBDF1 | 1.124452511 | 6.056941326 | 2.621709133 | 0.015269848 | 0.253762255 |
| ENSG00000072422 | RHOBTB1 | -1.267830388 | 3.795462253 | -2.512977616 | 0.019452444 | 0.278492975 |
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| ENSG00000164707 | SLC13A4 | 1.628180709 | 1.712629222 | 2.490275442 | 0.02045091 | 0.282483296 |
| ENSG00000165168 | CYBB | -1.805313941 | 4.486998883 | -2.535145386 | 0.01852144 | 0.273139012 |
| ENSG00000154645 | CHODL | 1.681880212 | 1.617521828 | 2.486902219 | 0.020603271 | 0.283809756 |
| ENSG00000214106 | PAXIP1-AS2 | -1.086826401 | 1.670783512 | -2.49047955 | 0.020441725 | 0.282483296 |
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| ENSG00000176593 | CTD-2368P22.1 | 1.203624926 | 3.452104397 | 2.504156602 | 0.019834888 | 0.278718352 |
| ENSG00000146859 | TMEM140 | 1.106801099 | 0.780069656 | 2.504991057 | 0.019798412 | 0.278718352 |
| ENSG00000157613 | CREB3L1 | -2.409919017 | 5.54220793 | -2.585578344 | 0.016556006 | 0.259758883 |
| ENSG00000165695 | AK8 | 1.281274626 | 1.867128785 | 2.47803848 | 0.021008667 | 0.285161758 |
| ENSG00000139219 | COL2A1 | 3.613056723 | 5.378091729 | 2.585825474 | 0.016546874 | 0.259758883 |
| ENSG00000135643 | KCNMB4 | -1.512914005 | 1.117188952 | -2.501236418 | 0.019963029 | 0.279038377 |
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| ENSG00000177700 | POLR2L | -0.864302343 | 6.719244441 | -2.621413507 | 0.01527998 | 0.253762255 |
| ENSG00000084623 | EIF3I | -0.820705102 | 8.65374211 | -2.651420653 | 0.014283058 | 0.24791533 |
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| ENSG00000114529 | C3orf52 | 1.489735501 | 1.25174018 | 2.484550866 | 0.020710099 | 0.283809756 |
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| ENSG00000145934 | TENM2 | -2.340013464 | 2.238851634 | -2.473602213 | 0.021214336 | 0.286492423 |
| ENSG00000141232 | TOB1 | 1.160943029 | 3.197160307 | 2.48605464 | 0.02064172 | 0.283809756 |
| ENSG00000101213 | PTK6 | 2.018036763 | 3.109830619 | 2.48149483 | 0.020849713 | 0.283971801 |
| ENSG00000224474 | AL355490.1 | 1.027339078 | 0.571580214 | 2.505829297 | 0.019761833 | 0.278718352 |

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| ENSG00000112414 | GPR126 | 1.84694526 | 3.224887014 | 2.481759428 | 0.02083759 | 0.283971801 |
| ENSG00000198429 | ZNF69 | 1.542006098 | 3.094969717 | 2.476505984 | 0.021079504 | 0.285875977 |
| ENSG00000175265 | GOLGA8A | 2.041356461 | 5.210137071 | 2.571190685 | 0.017095857 | 0.262733689 |
| ENSG00000008226 | DLEC1 | 1.774832568 | 1.85886364 | 2.465211485 | 0.021608456 | 0.287600111 |
| ENSG00000141527 | CARD14 | 1.573102982 | 4.001278326 | 2.509635964 | 0.01959651 | 0.278718352 |
| ENSG00000150593 | PDCD4 | 1.038578973 | 6.850178846 | 2.620426932 | 0.015313841 | 0.253762255 |
| ENSG00000145536 | ADAMTS16 | 2.108512097 | 3.177207575 | 2.485737064 | 0.020656143 | 0.283809756 |
| ENSG00000090776 | EFNB1 | -1.383464189 | 5.381466929 | -2.568128316 | 0.017212868 | 0.262986473 |
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| ENSG00000111666 | CHPT1 | 1.136490133 | 6.091176922 | 2.601590163 | 0.01597399 | 0.257344834 |
| ENSG00000245680 | ZNF585B | 1.159375979 | 2.586949163 | 2.463998919 | 0.02166597 | 0.287614838 |
| ENSG00000184674 | GSTT1 | 2.491666871 | 3.048996157 | 2.482598078 | 0.020799211 | 0.283971801 |
| ENSG00000198435 | NRARP | 1.130867102 | 0.794866054 | 2.483551917 | 0.02075564 | 0.283971801 |
| ENSG00000100307 | CBX7 | 1.30943661 | 3.778749527 | 2.498004988 | 0.020105725 | 0.279928073 |
| ENSG00000188785 | ZNF548 | 1.263661904 | 2.758824904 | 2.467959535 | 0.021478636 | 0.287600111 |
| ENSG00000136928 | GABBR2 | 2.77567411 | 2.32294347 | 2.465163938 | 0.021610709 | 0.287600111 |
| ENSG00000071553 | ATP6AP1 | -0.701730343 | 7.475557813 | -2.621079322 | 0.015291442 | 0.253762255 |
| ENSG00000166523 | CLEC4E | -1.639982055 | 2.126195183 | -2.47155707 | 0.021309779 | 0.28652031 |
| ENSG00000164045 | CDC25A | -1.398761583 | 3.032551778 | -2.46063266 | 0.021826382 | 0.289010772 |
| ENSG00000110801 | PSMD9 | 0.882153456 | 3.799346229 | 2.492696694 | 0.020342194 | 0.282218719 |
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| ENSG00000002834 | LASP1 | -0.930945208 | 6.312159187 | -2.591787567 | 0.016327988 | 0.259758883 |
| ENSG00000181830 | SLC35C1 | -1.187029238 | 2.988462504 | -2.454752077 | 0.022109254 | 0.291820833 |
| ENSG00000173198 | CYSLTR1 | -1.307925451 | 1.685237247 | -2.465247137 | 0.021606767 | 0.287600111 |
| ENSG00000110077 | MS4A6A | -1.428538085 | 6.806231355 | -2.601120855 | 0.015990773 | 0.257344834 |
| ENSG00000198502 | HLA-DRB5 | -1.69907508 | 6.530761503 | -2.591335169 | 0.016344502 | 0.259758883 |
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| ENSG00000026950 | BTN3A1 | -1.165463775 | 5.128958857 | -2.534049274 | 0.018566481 | 0.273371592 |
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| ENSG00000132481 | TRIM47 | 1.06633386 | 5.521669564 | 2.565451412 | 0.017315763 | 0.263787993 |
| ENSG00000215845 | TSTD1 | 1.231605208 | 4.083794069 | 2.495219202 | 0.020229503 | 0.280903663 |
| ENSG00000102878 | HSF4 | 1.49202769 | 5.577704018 | 2.567316924 | 0.017243996 | 0.263205773 |
| ENSG00000197459 | HIST1H2BH | 0.995334392 | 0.445494755 | 2.484949159 | 0.020691968 | 0.283809756 |
| ENSG00000167900 | TK1 | -1.732274761 | 5.553257795 | -2.545870136 | 0.018086088 | 0.268485152 |
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| ENSG00000142208 | AKT1 | -0.752920234 | 7.952292405 | -2.616573161 | 0.015446781 | 0.25411309 |
| ENSG00000131042 | LILRB2 | -1.648574545 | 4.343087472 | -2.491138308 | 0.020412105 | 0.282483296 |
| ENSG00000105173 | CCNE1 | -1.625030172 | 4.182069154 | -2.48227467 | 0.020814003 | 0.283971801 |
| ENSG00000034677 | RNF19A | 1.000201086 | 5.483347585 | 2.56004719 | 0.017525244 | 0.264364464 |
| ENSG00000072571 | HMMR | -1.397991619 | 4.140529047 | -2.481124149 | 0.020866706 | 0.283971801 |
| ENSG00000102174 | PHEX | -1.821140716 | 2.335702701 | -2.44218524 | 0.022725179 | 0.295672287 |
| ENSG00000181722 | ZBTB20 | 1.342298931 | 3.982881578 | 2.490267245 | 0.020451279 | 0.282483296 |
| ENSG00000168356 | SCN11A | 1.194850493 | 0.987863484 | 2.462937969 | 0.021716409 | 0.288040725 |
| ENSG00000017797 | RALBP1 | 0.92943845 | 4.660365137 | 2.52048185 | 0.019132507 | 0.276434773 |
| ENSG00000130720 | FIBCD1 | -1.23336538 | 1.17003181 | -2.464408405 | 0.021646532 | 0.287600111 |
| ENSG00000023287 | RB1CC1 | 0.893690821 | 7.032280837 | 2.601202637 | 0.015987847 | 0.257344834 |
| ENSG00000149295 | DRD2 | 1.775971382 | 1.577864991 | 2.44293167 | 0.022688155 | 0.295672287 |
| ENSG00000132196 | HSD17B7 | 1.236296709 | 3.018540449 | 2.446684253 | 0.02250287 | 0.294647798 |
| ENSG00000120963 | ZNF706 | 1.111320622 | 3.889265069 | 2.479626321 | 0.020935504 | 0.284661177 |
| ENSG00000166426 | CRABP1 | 2.786916943 | 3.36826288 | 2.461808258 | 0.021770237 | 0.2885108 |
| ENSG00000101400 | SNTA1 | -0.960367304 | 4.838806173 | -2.515937847 | 0.019325646 | 0.278049106 |
| ENSG00000178209 | PLEC | 1.216801901 | 9.169747085 | 2.62433997 | 0.015179954 | 0.253762255 |
| ENSG00000186868 | MAPT | 1.583149358 | 1.990454181 | 2.440635661 | 0.022802217 | 0.296183438 |
| ENSG00000092208 | GEMIN2 | -0.98098661 | 3.991474919 | -2.470780208 | 0.021346137 | 0.28652031 |
| ENSG00000064270 | ATP2C2 | 2.003564512 | 2.303415003 | 2.430520142 | 0.02331109 | 0.298598986 |
| ENSG00000182111 | ZNF716 | 1.088597423 | 0.751515136 | 2.464936595 | 0.021621482 | 0.287600111 |
| ENSG00000180071 | ANKRD18A | 1.364939107 | 2.097038671 | 2.429322219 | 0.023372044 | 0.298640667 |
| ENSG00000085871 | MGST2 | -1.326724862 | 5.034855082 | -2.51576945 | 0.019332839 | 0.278049106 |
| ENSG00000133392 | MYH11 | 1.895183341 | 4.72993409 | 2.517822533 | 0.01924532 | 0.277808936 |
| ENSG00000198298 | ZNF485 | 1.144226903 | 1.103119838 | 2.448028415 | 0.022436843 | 0.294607951 |
| ENSG00000164211 | STARD4 | -1.357032336 | 1.974739445 | -2.434406156 | 0.023114369 | 0.298508285 |
| ENSG00000147144 | CCDC120 | 1.153873866 | 3.970276457 | 2.474942029 | 0.021152025 | 0.28636447 |

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| ENSG00000136141 | LRCH1 | -1.170588121 | 4.433657343 | -2.484934998 | 0.020692612 | 0.283809756 |
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| ENSG00000142961 | MOB3C | -1.13548831 | 2.53616417 | -2.424737259 | 0.023606704 | 0.299929392 |
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| ENSG00000104763 | ASAH1 | -0.858066794 | 7.620177972 | -2.592262933 | 0.016310653 | 0.259758883 |
| ENSG00000133055 | MYBPH | 1.5365722 | 1.309268044 | 2.432327551 | 0.023219402 | 0.298554465 |
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| ENSG00000104880 | ARHGEF18 | 1.272183187 | 1.19704854 | 2.431701269 | 0.023251135 | 0.298554465 |
| ENSG00000166682 | TMPRSS5 | 1.542812707 | 1.886499821 | 2.418882734 | 0.023909509 | 0.300919502 |
| ENSG00000183072 | NKX2-5 | -1.428912578 | 1.055889896 | -2.445587276 | 0.022556888 | 0.294950109 |
| ENSG00000102054 | RBBP7 | -0.876393353 | 8.199945684 | -2.594919665 | 0.016214089 | 0.259758883 |
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| ENSG00000233822 | HIST1H2BN | 1.459660229 | 1.672933057 | 2.417615032 | 0.023975548 | 0.300960257 |
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| ENSG00000007264 | MATK | -1.452680411 | 3.482734015 | -2.427429809 | 0.023468636 | 0.299387285 |
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| ENSG00000242866 | STRC | 1.608269196 | 1.429592436 | 2.408394075 | 0.024460992 | 0.303412979 |
| ENSG00000164056 | SPRY1 | -1.215920795 | 2.467194333 | -2.398605268 | 0.024986251 | 0.307738826 |
| ENSG00000198455 | ZXDB | -0.985888468 | 0.614931131 | -2.446437908 | 0.02251499 | 0.294647798 |
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| ENSG00000090905 | TNRC6A | 0.759778762 | 7.043757107 | 2.560751307 | 0.017497817 | 0.264364464 |
| ENSG00000162576 | MXRA8 | -1.804366582 | 7.941864014 | -2.571761172 | 0.017074142 | 0.262657215 |
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| ENSG000000087510 | TFAP2C | 1.75648001 | 4.506897969 | 2.464462637 | 0.021643959 | 0.287600111 |
| ENSG00000131236 | CAP1 | -0.729795209 | 6.131956716 | -2.526422813 | 0.018882702 | 0.275402745 |
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| ENSG00000145029 | NICN1 | 1.062892975 | 4.306186312 | 2.426150497 | 0.023534143 | 0.299748964 |
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| ENSG00000119929 | CUTC | 0.898679901 | 4.332292396 | 2.425059359 | 0.023590148 | 0.299929392 |
| ENSG00000128487 | SPECC1 | -1.228376604 | 4.946555793 | -2.446580655 | 0.022507966 | 0.294647798 |
| ENSG00000143442 | POGZ | 0.708508698 | 7.080124078 | 2.526265001 | 0.018889298 | 0.275402745 |
| ENSG00000198900 | TOP1 | -0.666684009 | 7.474861738 | -2.530126782 | 0.0187285 | 0.274131428 |
| ENSG00000204790 | CBWD6 | 1.032738238 | 3.73046813 | 2.391340581 | 0.025382775 | 0.30911855 |
| ENSG00000168615 | ADAM9 | -0.890541174 | 7.292530624 | -2.525704649 | 0.018912737 | 0.275402745 |
| ENSG00000186160 | CYP4Z1 | 1.164836532 | 0.445494755 | 2.394561219 | 0.025206274 | 0.308962875 |
| ENSG00000257743 | RP11-1220K2.2 | 1.621327043 | 1.33558916 | 2.360617753 | 0.027124675 | 0.315768956 |
| ENSG00000183955 | SETD8 | 1.179990253 | 2.651297198 | 2.35886143 | 0.027227503 | 0.315768956 |
| ENSG00000204498 | NFKBIL1 | -1.175332983 | 2.839100515 | -2.350029842 | 0.027750024 | 0.318857312 |
| ENSG00000087086 | FTL | -0.970618119 | 6.310261413 | -2.498130463 | 0.020100167 | 0.279928073 |
| ENSG00000018625 | ATP1A2 | 1.793215275 | 1.548545408 | 2.359497442 | 0.027190225 | 0.315768956 |
| ENSG00000116299 | KIAA1324 | 2.238690236 | 5.684441448 | 2.482986639 | 0.020781451 | 0.283971801 |
| ENSG00000154263 | ABCA10 | 1.475589708 | 1.529901656 | 2.352939518 | 0.027576863 | 0.318402176 |
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| ENSG00000114544 | SLC41A3 | 0.885192542 | 6.403848975 | 2.50358734 | 0.019859808 | 0.278718352 |
| ENSG00000106605 | BLVRA | -1.036237514 | 5.544428433 | -2.464579828 | 0.021638399 | 0.287600111 |
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| ENSG00000137269 | LRRC1 | 1.56579338 | 4.606824607 | 2.425757566 | 0.023554297 | 0.299748964 |
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| ENSG00000184224 | C11orf72 | 1.516713987 | 3.427090139 | 2.359259402 | 0.027204171 | 0.315768956 |
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| ENSG00000143772 | ITPKB | 1.462993623 | 5.238295931 | 2.449876959 | 0.022346333 | 0.293665255 |
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| ENSG00000198873 | GRK5 | 1.364839526 | 5.035632308 | 2.434965581 | 0.023086176 | 0.29838978 |
| ENSG00000205930 | C21orf49 | 1.016524565 | 0.751515136 | 2.358133357 | 0.027270235 | 0.316024557 |
| ENSG00000078328 | RBFOX1 | 1.244681151 | 0.459671702 | 2.36822945 | 0.026683146 | 0.315768956 |
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| ENSG00000183287 | CCBE1 | -1.390113284 | 2.184766676 | -2.319170606 | 0.029648975 | 0.327558889 |
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| ENSG00000118965 | WDR35 | 0.972738695 | 4.696568851 | 2.409668534 | 0.02439336 | 0.303309572 |
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| ENSG00000163293 | NIPAL1 | 1.338486753 | 1.386786396 | 2.325940112 | 0.029222482 | 0.326355844 |
| ENSG00000104998 | IL27RA | -1.31399998 | 4.626334573 | -2.38120182 | 0.02594588 | 0.312206131 |
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| ENSG00000186409 | CCDC30 | 0.961308234 | 3.484677023 | 2.33739202 | 0.028513779 | 0.321844263 |
| ENSG00000060982 | BCAT1 | -1.696280479 | 3.237730907 | -2.318930375 | 0.029664214 | 0.327558889 |
| ENSG00000162723 | SLAMF9 | -1.156521966 | 0.72519402 | -2.35676714 | 0.027350586 | 0.316331118 |
| ENSG00000138294 | MSMB | 1.058349785 | 0.407137303 | 2.357361103 | 0.027315627 | 0.316316974 |
| ENSG00000164933 | SLC25A32 | 0.954460579 | 4.506982544 | 2.39025583 | 0.025442479 | 0.30911855 |
| ENSG00000117640 | MTFR1L | 1.107506358 | 4.048131816 | 2.367245388 | 0.026739853 | 0.315768956 |
| ENSG00000196517 | SLC6A9 | 1.41276417 | 5.0104731 | 2.41573435 | 0.024073829 | 0.301470432 |
| ENSG00000166598 | HSP90B1 | -0.760599541 | 7.902162139 | -2.495308997 | 0.020225503 | 0.280903663 |
| ENSG00000125505 | MBOAT7 | -0.875624672 | 6.200322251 | -2.458078922 | 0.021948809 | 0.29014218 |
| ENSG00000196683 | TOMM7 | 1.085260764 | 3.976772881 | 2.359082198 | 0.027214558 | 0.315768956 |
| ENSG00000135929 | CYP27A1 | 1.197393933 | 6.04775341 | 2.458617082 | 0.021922957 | 0.290044787 |
| ENSG00000142507 | PSMB6 | -0.672881888 | 6.750250186 | -2.473561092 | 0.021216251 | 0.286492423 |
| ENSG00000044574 | HSPA5 | -0.798285504 | 7.359966013 | -2.482155419 | 0.02081946 | 0.283971801 |
| ENSG00000109911 | ELP4 | -0.93970358 | 4.383494826 | -2.363846688 | 0.02693656 | 0.315768956 |
| ENSG00000117114 | LPHN2 | -1.351256915 | 5.062959966 | -2.393045262 | 0.025289212 | 0.30911855 |
| ENSG00000169499 | PLEKHA2 | -1.14246399 | 4.3037188 | -2.360635115 | 0.02712366 | 0.315768956 |
| ENSG00000122756 | CNTFR | 2.225620999 | 3.943717403 | 2.363445419 | 0.026959872 | 0.315768956 |
| ENSG00000116525 | TRIM62 | -1.22594325 | 2.446739046 | -2.298167135 | 0.031008795 | 0.332803697 |
| ENSG00000007255 | TRAPPC6A | 1.11446634 | 4.737629526 | 2.39744441 | 0.025049227 | 0.308272492 |
| ENSG00000130881 | LRP3 | -1.037119099 | 5.647144163 | -2.429759986 | 0.023349752 | 0.298598986 |
| ENSG00000144619 | CNTN4 | -1.562164603 | 2.248637108 | -2.306325076 | 0.030473988 | 0.330015644 |
| ENSG00000151726 | ACSL1 | 1.076721523 | 6.902042061 | 2.475469474 | 0.021127541 | 0.286280011 |
| ENSG00000079101 | CLUL1 | 1.411714526 | 2.027969459 | 2.30086152 | 0.030831218 | 0.331955912 |
| ENSG00000204538 | PSORS1C2 | 0.887068079 | 0.402143838 | 2.348627649 | 0.027833827 | 0.318857312 |
| ENSG00000168246 | UBTD2 | -0.964633117 | 3.98629625 | -2.339460713 | 0.028387453 | 0.321844263 |
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| ENSG00000078295 | ADCY2 | 1.970728787 | 5.066059934 | 2.411429344 | 0.024300204 | 0.302855048 |
| ENSG00000100802 | C14orf93 | 0.977041434 | 3.16532623 | 2.311836394 | 0.030117478 | 0.328775307 |
| ENSG00000115840 | SLC25A12 | 0.824706155 | 5.714237833 | 2.437414674 | 0.022963126 | 0.297534608 |
| ENSG00000102934 | PLLP | 1.02092083 | 0.751515136 | 2.32969223 | 0.028988521 | 0.324667298 |
| ENSG00000174370 | C11orf45 | -1.124297902 | 0.873302744 | -2.337216955 | 0.028524493 | 0.321844263 |
| ENSG00000079974 | RABL2B | 0.785328404 | 5.311849589 | 2.4199937 | 0.023851774 | 0.30085063 |
| ENSG00000188372 | ZP3 | 1.11956405 | 5.066317612 | 2.408400573 | 0.024460646 | 0.303412979 |
| ENSG00000008277 | ADAM22 | -1.798728013 | 2.830665642 | -2.301821123 | 0.030768199 | 0.331939256 |
| ENSG00000166681 | NGFRAP1 | -1.97446532 | 4.015293326 | -2.334543556 | 0.028688567 | 0.322304955 |
| ENSG00000121281 | ADCY7 | -0.860361929 | 5.026748504 | -2.390512306 | 0.025428351 | 0.30911855 |
| ENSG00000007129 | CEACAM21 | -1.172520005 | 1.117916236 | -2.321347381 | 0.029511215 | 0.327502506 |
| ENSG00000243716 | NPIPB5 | 0.830419611 | 4.48207983 | 2.371135526 | 0.026516326 | 0.315768956 |
| ENSG00000169247 | SH3TC2 | 1.524357704 | 1.847717887 | 2.288205381 | 0.031673492 | 0.334358662 |
| ENSG00000174684 | B3GNT1 | -1.612543306 | 2.070775498 | -2.288654562 | 0.031643242 | 0.334358662 |
| ENSG00000198894 | CIPC | 1.121567592 | 1.577550424 | 2.291896659 | 0.031425688 | 0.334358662 |
| ENSG00000116266 | STXBP3 | 0.68189852 | 6.219948691 | 2.446683624 | 0.022502901 | 0.294647798 |
| ENSG00000129538 | RNASE1 | -1.445820085 | 7.255588202 | -2.465443036 | 0.02159749 | 0.287600111 |
| ENSG00000133740 | E2F5 | 1.275497139 | 4.218204747 | 2.356584636 | 0.027361337 | 0.316331118 |
| ENSG00000161010 | C5orf45 | 0.939816484 | 4.873899921 | 2.390067073 | 0.025452882 | 0.30911855 |
| ENSG00000110841 | PPFIBP1 | 0.860079147 | 7.428415084 | 2.471923438 | 0.021292652 | 0.28652031 |
| ENSG00000101265 | RASSF2 | -1.228345127 | 4.444430385 | -2.350620759 | 0.027714776 | 0.318857312 |
| ENSG00000088280 | ASAP3 | 1.100809885 | 6.581876139 | 2.454674827 | 0.022112993 | 0.291820833 |
| ENSG00000165125 | TRPV6 | 1.927353884 | 3.160639834 | 2.296966527 | 0.031088224 | 0.333200356 |
| ENSG00000124243 | BCAS4 | 1.445461473 | 2.945731078 | 2.303870699 | 0.030633994 | 0.331045454 |
| ENSG00000171502 | COL24A1 | -1.448107157 | 4.79559616 | -2.363481017 | 0.026957804 | 0.315768956 |
| ENSG00000167700 | MFSDB3 | 1.149795247 | 4.750696085 | 2.381203446 | 0.025945788 | 0.312206131 |
| ENSG00000163219 | ARHGAP25 | -1.132723575 | 3.338040683 | -2.297165405 | 0.031075054 | 0.333200356 |
| ENSG00000151322 | NPAS3 | 1.402810198 | 2.365365567 | 2.286217817 | 0.031807661 | 0.334664234 |
| ENSG00000040731 | CDH10 | -1.599011564 | 1.307542039 | -2.30521752 | 0.030546097 | 0.330323092 |
| ENSG00000140104 | C14orf79 | 0.928408027 | 3.109539022 | 2.295337233 | 0.031196311 | 0.33413059 |
| ENSG00000128165 | ADM2 | 1.359721975 | 2.838440286 | 2.28892783 | 0.031624852 | 0.334358662 |
| ENSG00000174136 | RGMB | -1.366084353 | 2.017563704 | -2.2937049 | 0.031304944 | 0.334153657 |
| ENSG00000143776 | CDC42BPA | 0.904184339 | 6.559534528 | 2.450565937 | 0.022312686 | 0.29346886 |
| ENSG00000184937 | WT1 | -1.187889361 | 0.952928447 | -2.320419856 | 0.029569842 | 0.327502506 |
| ENSG00000129354 | AP1M2 | 2.815636881 | 4.476203314 | 2.360068668 | 0.027156784 | 0.315768956 |
| ENSG00000184661 | CDCA2 | -1.627646077 | 3.264095261 | -2.290401802 | 0.031525827 | 0.334358662 |
| ENSG00000185513 | L3MBTL1 | 0.940681472 | 4.291064476 | 2.349941377 | 0.027755304 | 0.318857312 |
| ENSG00000137161 | CNPY3 | -0.829583333 | 6.278426278 | -2.435283637 | 0.023070162 | 0.29838978 |
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| ENSG00000163064 | EN1 | 1.426371436 | 3.953807664 | 2.329928635 | 0.028973838 | 0.324667298 |
| ENSG00000138061 | CYP1B1 | -1.695085847 | 2.527529095 | -2.282262234 | 0.032076225 | 0.336423295 |
| ENSG00000157326 | DHRS4 | 1.195813408 | 3.097161135 | 2.298451203 | 0.030990029 | 0.332803697 |
| ENSG00000215012 | C22orf29 | 1.288735881 | 2.388757643 | 2.270802302 | 0.032866031 | 0.339723905 |
| ENSG00000215788 | TNFRSF25 | 0.876744704 | 4.951883123 | 2.383524303 | 0.025815882 | 0.311597697 |
| ENSG00000143119 | CD53 | -1.466926328 | 4.339010155 | -2.33522651 | 0.02864657 | 0.322217445 |
| ENSG00000180353 | HCLS1 | -1.353717005 | 6.366530035 | -2.43187123 | 0.023242519 | 0.298554465 |
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| ENSG00000223547 | ZNF844 | 0.956958573 | 4.753435793 | 2.368748651 | 0.026653271 | 0.315768956 |
| ENSG00000269866 | FKSG63 | 1.201054759 | 3.681316611 | 2.313284808 | 0.03002442 | 0.328646526 |
| ENSG00000138435 | CHRNA1 | -1.331330047 | 0.820682774 | -2.31503506 | 0.029912322 | 0.327990389 |
| ENSG00000214160 | ALG3 | -0.718485642 | 6.427458695 | -2.430134451 | 0.023330699 | 0.298598986 |
| ENSG00000204386 | NEU1 | -0.74891835 | 6.131218519 | -2.420412285 | 0.023830054 | 0.30085063 |
| ENSG00000104299 | INTS9 | -0.877531926 | 5.006463328 | -2.369066149 | 0.026635017 | 0.315768956 |
| ENSG00000161509 | GRIN2C | 1.724451852 | 1.551229307 | 2.274280507 | 0.03262446 | 0.338789152 |
| ENSG00000105675 | ATP4A | 0.889321519 | 0.378582783 | 2.320303429 | 0.029577209 | 0.327502506 |
| ENSG00000185818 | NAT8L | 1.610586024 | 1.567639657 | 2.273339167 | 0.032689678 | 0.338793755 |
| ENSG00000173372 | C1QA | -1.772963389 | 4.150700631 | -2.312384241 | 0.030082249 | 0.328766596 |
| ENSG00000171357 | LURAP1 | -1.006880927 | 1.304382412 | -2.287941304 | 0.031691289 | 0.334358662 |
| ENSG00000233276 | GPX1 | -1.304070723 | 3.587147282 | -2.287463871 | 0.031723487 | 0.334358662 |
| ENSG00000117625 | RCOR3 | 0.765058386 | 5.262296057 | 2.388372129 | 0.025546465 | 0.310003169 |
| ENSG00000163297 | ANTXR2 | -1.119906408 | 5.130570188 | -2.371431245 | 0.026499405 | 0.315768956 |
| ENSG00000152763 | WDR78 | 1.331017047 | 1.804064168 | 2.261362903 | 0.033529868 | 0.341241014 |
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| ENSG00000131037 | EPS8L1 | 1.639869507 | 4.293010481 | 2.334432013 | 0.028695432 | 0.322304955 |
| ENSG00000184599 | FAM19A3 | 1.725850737 | 1.906815665 | 2.262576091 | 0.03344387 | 0.341241014 |
| ENSG00000244165 | P2RY11 | 1.289982514 | 1.507954553 | 2.267866646 | 0.033071188 | 0.340344316 |
| ENSG00000146830 | GIGYF1 | 0.901158794 | 7.459173331 | 2.451157517 | 0.022283832 | 0.29346886 |
| ENSG00000178773 | CPNE7 | 2.051098296 | 3.432197697 | 2.291436385 | 0.03145649 | 0.334358662 |
| ENSG00000182685 | BRICD5 | 1.198915895 | 3.254922885 | 2.277239663 | 0.032420217 | 0.33823271 |
| ENSG00000117758 | STX12 | 0.800585677 | 5.414551084 | 2.392113715 | 0.025340302 | 0.30911855 |
| ENSG00000221819 | C16orf3 | 1.109052081 | 0.780069656 | 2.29483492 | 0.031229703 | 0.334153657 |
| ENSG00000141510 | TP53 | -0.918073489 | 6.567675379 | -2.423208195 | 0.023685446 | 0.300279204 |
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| ENSG00000198019 | FCGR1B | -1.134015431 | 0.686836567 | -2.307075011 | 0.030425251 | 0.330015644 |
| ENSG00000164620 | RELL2 | 1.297595333 | 1.340657198 | 2.266520997 | 0.033165619 | 0.340800081 |
| ENSG00000174744 | BRMS1 | -0.624046958 | 6.512512958 | -2.420934649 | 0.023802975 | 0.30085063 |
| ENSG00000116151 | MORN1 | 1.310623365 | 2.851497598 | 2.267760955 | 0.033078596 | 0.340344316 |
| ENSG00000108984 | MAP2K6 | -1.028120517 | 3.467752253 | -2.273870195 | 0.032652873 | 0.338793755 |
| ENSG00000110442 | COMMD9 | -0.624214856 | 5.694225682 | -2.392095365 | 0.025341309 | 0.30911855 |
| ENSG00000110148 | CCKBR | 1.419132895 | 0.970626475 | 2.279230661 | 0.032283454 | 0.337423144 |
| ENSG00000102172 | SMS | -1.06646985 | 2.897777532 | -2.254782852 | 0.033999825 | 0.341762496 |
| ENSG00000134398 | ERN2 | 1.284532776 | 0.739370967 | 2.284269002 | 0.031939718 | 0.335228167 |
| ENSG00000101049 | SGK2 | 1.456901309 | 2.350128229 | 2.250339011 | 0.034320598 | 0.342732818 |
| ENSG00000182704 | TSKU | -1.342267756 | 2.060126215 | -2.251064592 | 0.034268035 | 0.342702192 |
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| ENSG00000123131 | PRDX4 | -0.960095253 | 8.36618795 | -2.450689436 | 0.022306659 | 0.29346886 |
| ENSG00000088726 | TMEM40 | -1.506107226 | 1.956406518 | -2.257638751 | 0.03379512 | 0.341241014 |
| ENSG00000069956 | MAPK6 | -1.406742195 | 2.152680428 | -2.251668594 | 0.034224336 | 0.342483453 |
| ENSG00000112624 | GLTSCR1L | 1.339057858 | 3.457050129 | 2.274573277 | 0.032604201 | 0.338789152 |
| ENSG00000119139 | TJP2 | 0.924643895 | 6.040188955 | 2.403036201 | 0.024747214 | 0.305274008 |
| ENSG00000162669 | HFM1 | 1.16986503 | 1.300084562 | 2.256052511 | 0.03390868 | 0.341241014 |
| ENSG00000164430 | MB21D1 | -1.242257447 | 4.17251876 | -2.294209599 | 0.031271319 | 0.334153657 |
| ENSG00000106144 | CASP2 | 0.745792567 | 5.61583036 | 2.38540304 | 0.025711162 | 0.311067838 |
| ENSG00000159167 | STC1 | -1.856576513 | 2.714768512 | -2.252127216 | 0.034191189 | 0.342370096 |
| ENSG00000019995 | ZRANB1 | 0.817936813 | 5.207811923 | 2.36577637 | 0.026824713 | 0.315768956 |
| ENSG00000105926 | MPP6 | 1.002575901 | 4.418607017 | 2.323147304 | 0.029397748 | 0.327437672 |
| ENSG00000130592 | LSP1 | -1.419466616 | 6.845766726 | -2.413951208 | 0.024167357 | 0.302096597 |
| ENSG00000179241 | LDLRAD3 | 0.929225603 | 4.164985461 | 2.306408636 | 0.030468554 | 0.330015644 |
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| ENSG00000119866 | BCL11A | 1.191819401 | 3.783779602 | 2.287917114 | 0.031692919 | 0.334358662 |
| ENSG00000116221 | MRPL37 | -0.869372338 | 6.57172992 | -2.407541417 | 0.024506336 | 0.303530991 |
| ENSG00000171067 | C11orf24 | -0.838484833 | 5.139560087 | -2.351401021 | 0.027668298 | 0.318857312 |
| ENSG00000090382 | LYZ | -1.885916577 | 5.406120283 | -2.348943927 | 0.027814904 | 0.318857312 |
| ENSG00000126878 | AIF1L | 2.085812743 | 4.18426961 | 2.306650127 | 0.030452855 | 0.330015644 |
| ENSG00000169403 | PTAFR | -1.480639654 | 3.736853939 | -2.263249412 | 0.033396227 | 0.341241014 |
| ENSG00000267545 | AC005779.2 | 0.97332055 | 0.378582783 | 2.290102922 | 0.031545883 | 0.334358662 |
| ENSG00000129518 | EAPP | 0.730452592 | 5.360159702 | 2.36789555 | 0.026702375 | 0.315768956 |
| ENSG00000135702 | CHST5 | 1.236283183 | 1.31160928 | 2.249482067 | 0.034382771 | 0.342757347 |
| ENSG00000157456 | CCNB2 | -1.198748959 | 5.201381111 | -2.342638984 | 0.02819437 | 0.321510069 |
| ENSG00000100365 | NCF4 | -1.274529888 | 4.059340805 | -2.281345545 | 0.032138758 | 0.336423295 |
| ENSG00000198948 | MFAP3L | 1.56695896 | 2.002297577 | 2.234618052 | 0.035477635 | 0.345978605 |
| ENSG00000164309 | CMYA5 | 1.882394483 | 1.954114744 | 2.233775321 | 0.03554065 | 0.346104242 |
| ENSG00000101251 | SEL1L2 | 0.80914639 | 0.363786385 | 2.289775509 | 0.031567868 | 0.334358662 |
| ENSG00000198899 | MT-ATP6 | 0.834242195 | 7.06629964 | 2.420120525 | 0.023845191 | 0.30085063 |
| ENSG00000171119 | NRTN | 1.389278966 | 1.517757486 | 2.240438109 | 0.035045214 | 0.345008771 |
| ENSG00000147684 | NDUFB9 | 0.82239752 | 6.151611476 | 2.396921584 | 0.025077638 | 0.30838027 |
| ENSG00000111145 | ELK3 | -1.172090653 | 3.085528584 | -2.238928992 | 0.035156876 | 0.345567417 |
| ENSG00000180264 | GPR144 | 1.038105355 | 0.378582783 | 2.28738187 | 0.03172902 | 0.334358662 |
| ENSG00000215375 | MYL5 | 1.053043698 | 3.296912847 | 2.256239296 | 0.033895289 | 0.341241014 |
| ENSG00000198929 | NOS1AP | 1.334437799 | 2.223998083 | 2.225059389 | 0.036198367 | 0.346212821 |
| ENSG00000165819 | METTL3 | 0.953949378 | 5.810222238 | 2.384153074 | 0.025780791 | 0.311413697 |
| ENSG00000111328 | CDK2AP1 | 0.640318064 | 7.067662633 | 2.417971655 | 0.023956953 | 0.300960257 |
| ENSG00000164674 | SYTL3 | -1.163470403 | 3.00843186 | -2.235773214 | 0.035391424 | 0.345567417 |
| ENSG00000033627 | ATP6V0A1 | 0.64801268 | 5.957427329 | 2.388032859 | 0.025565235 | 0.310003169 |
| ENSG00000168876 | ANKRD49 | 1.27843844 | 1.39004597 | 2.240395387 | 0.03504837 | 0.345008771 |

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| ENSG00000160439 | RDH13 | 0.997036024 | 4.71546191 | 2.329701656 | 0.028987936 | 0.324667298 |
| ENSG00000204482 | LST1 | -1.604700179 | 3.090353078 | -2.236421876 | 0.035343098 | 0.345567417 |
| ENSG00000160877 | NACC1 | -0.991153417 | 5.396453055 | -2.349459646 | 0.027784074 | 0.318857312 |
| ENSG00000171940 | ZNF217 | 1.021568178 | 4.277922292 | 2.301638729 | 0.030780168 | 0.331939256 |
| ENSG00000144959 | NCEH1 | -1.388386681 | 1.720634013 | -2.25254776 | 0.034160819 | 0.342370096 |
| ENSG00000047634 | SCML1 | -1.451279674 | 2.765731863 | -2.228429627 | 0.035942743 | 0.346212821 |
| ENSG00000188747 | NOXA1 | 1.453176948 | 3.978686824 | 2.284484569 | 0.031925086 | 0.335228167 |
| ENSG00000172785 | CBWD1 | 0.76884294 | 5.561135018 | 2.367521062 | 0.026723956 | 0.315768956 |
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| ENSG00000125355 | TMEM255A | -1.745914583 | 1.646352217 | -2.226500507 | 0.036088861 | 0.346212821 |
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| ENSG00000133119 | RFC3 | -1.013414313 | 3.753153637 | -2.249816873 | 0.034358468 | 0.342732818 |
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| ENSG00000121690 | DEPDC7 | -1.373248198 | 2.558813469 | -2.205400379 | 0.03772264 | 0.351696939 |
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| ENSG00000130787 | HIP1R | 1.042358408 | 5.913432445 | 2.3621326 | 0.027036271 | 0.315768956 |
| ENSG00000147162 | OGT | 0.886541213 | 8.445497886 | 2.414900191 | 0.02411754 | 0.301776968 |
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| ENSG00000183891 | TTC32 | 1.139258753 | 1.577550424 | 2.206895602 | 0.037604693 | 0.35153641 |
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| ENSG00000136235 | GPNMB | -1.312760445 | 7.318836204 | -2.39308524 | 0.025287022 | 0.30911855 |
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| ENSG00000163909 | HEYL | -1.531365685 | 3.03221243 | -2.188550672 | 0.039075162 | 0.358011153 |
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| ENSG00000172426 | RSPH9 | 0.85261567 | 0.521698043 | 2.230564736 | 0.035781651 | 0.346212821 |
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| ENSG00000171316 | CHD7 | 1.233231161 | 7.055723614 | 2.369800109 | 0.026592865 | 0.315768956 |
| ENSG00000143768 | LEFTY2 | 1.708536534 | 1.319118441 | 2.188100165 | 0.03911192 | 0.358054335 |
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| ENSG00000167528 | ZNF641 | 1.106384024 | 2.870917228 | 2.182040445 | 0.03960939 | 0.359254874 |
| ENSG00000173575 | CHD2 | 0.586868215 | 7.43240752 | 2.375174128 | 0.026286089 | 0.315232739 |
| ENSG00000121022 | COP55 | 0.823629225 | 6.265697 | 2.348527628 | 0.027839814 | 0.318857312 |
| ENSG00000101977 | MCF2 | -1.205182242 | 0.753748539 | -2.227281942 | 0.036029608 | 0.346212821 |
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| ENSG00000241935 | HOGA1 | 1.039932473 | 1.146470755 | 2.195831476 | 0.038485434 | 0.354178856 |
| ENSG00000182272 | B4GALNT4 | 1.674980172 | 6.170356072 | 2.343644208 | 0.028133553 | 0.321458722 |
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| ENSG00000101236 | RNF24 | 0.98961046 | 5.416892872 | 2.310734638 | 0.03018844 | 0.329177773 |
| ENSG00000147576 | ADHFE1 | 1.288661577 | 2.101412684 | 2.167608797 | 0.040817273 | 0.361005094 |
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| ENSG00000104938 | CLEC4M | -1.017423051 | 1.103119838 | -2.202530008 | 0.037950003 | 0.352114194 |
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| ENSG00000187145 | MRPS21 | 0.789048819 | 4.560340653 | 2.259000022 | 0.033697943 | 0.341241014 |
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| ENSG00000168785 | TSPAN5 | 1.38494412 | 4.380739723 | 2.248426216 | 0.034459517 | 0.342991983 |
| ENSG00000198353 | HOXC4 | 0.967629302 | 0.550252562 | 2.211306257 | 0.037258716 | 0.350075752 |
| ENSG00000141750 | STAC2 | 2.76122666 | 5.258392535 | 2.293009741 | 0.031351312 | 0.334193914 |
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| ENSG00000212907 | MT-ND4L | 1.111606422 | 5.94166888 | 2.322131759 | 0.029461719 | 0.327502506 |
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| ENSG00000112335 | SNX3 | -0.736519972 | 7.135090648 | -2.339960629 | 0.028357002 | 0.321844263 |
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| ENSG00000198856 | OSTC | -1.093195263 | 3.368570036 | -2.161133069 | 0.041370009 | 0.362387043 |
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| ENSG00000160219 | GAB3 | -1.316798039 | 1.767635575 | -2.149320483 | 0.042395702 | 0.362636645 |
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| ENSG00000107611 | CUBN | 1.08226596 | 3.654288936 | 2.188952104 | 0.039042435 | 0.358011153 |
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| ENSG00000070159 | PTPN3 | 1.010578843 | 5.442443524 | 2.284870082 | 0.031898934 | 0.335228167 |
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| ENSG00000215784 | FAM72D | 1.243504205 | 1.860070872 | 2.135678029 | 0.04360877 | 0.364118884 |
| ENSG00000185112 | FAM43A | -0.978463505 | 0.98133223 | -2.181313079 | 0.039669486 | 0.359384469 |
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| ENSG00000136634 | IL10 | -0.954540924 | 1.038441269 | -2.171294801 | 0.040505641 | 0.360866344 |
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| ENSG00000179066 | AC020907.1 | 1.302725634 | 0.664813302 | 2.169901348 | 0.040623197 | 0.360866344 |
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| ENSG00000196781 | TLE1 | 0.910812649 | 6.031042262 | 2.300927845 | 0.030826858 | 0.331955912 |
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| ENSG00000214189 | ZNF788 | 1.161103221 | 1.217680578 | 2.146986045 | 0.042601095 | 0.363290101 |
| ENSG00000132970 | WASF3 | 1.489836916 | 3.056368826 | 2.144219954 | 0.042845628 | 0.363851129 |
| ENSG00000164116 | GUCY1A3 | -1.825366482 | 4.260007019 | -2.186515474 | 0.039241465 | 0.3580839 |
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| ENSG00000144843 | ADPRH | -1.203187572 | 2.025191178 | -2.1367787 | 0.043509753 | 0.364118884 |
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| ENSG00000255112 | CHMP1B | 1.260472175 | 2.892194155 | 2.128164861 | 0.044290094 | 0.366151671 |
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| ENSG000000203791 | METTL10 | 0.776519412 | 0.335231866 | 2.167913496 | 0.04079143 | 0.361003009 |
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| ENSG000000049249 | TNFRSF9 | -1.45379271 | 1.532694299 | -2.133472218 | 0.043807817 | 0.364118884 |
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| ENSG000000080166 | DCT | 1.297294197 | 0.828136476 | 2.136197546 | 0.043562009 | 0.364118884 |
| ENSG000000167083 | GNGT2 | -1.041299442 | 0.801397307 | -2.155059953 | 0.04189451 | 0.362636645 |
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| ENSG000000101294 | HM13 | -0.784298783 | 8.484837103 | -2.324471946 | 0.029314499 | 0.327150639 |
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| ENSG000000185728 | YTHDF3 | 0.829332649 | 4.502003558 | 2.197095994 | 0.038383837 | 0.354062901 |
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| ENSG000000047579 | DTNBP1 | -0.639582344 | 5.46342283 | -2.242037671 | 0.034927212 | 0.344464412 |
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| ENSG000000109971 | HSPA8 | -0.666860402 | 7.488884745 | -2.306441296 | 0.03046643 | 0.330015644 |
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| ENSG000000183780 | SLC35F3 | 1.183333042 | 0.780765269 | 2.133799142 | 0.043778265 | 0.364118884 |
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| ENSG00000185651 | UBE2L3 | 1.181573338 | 2.34345011 | 2.083605577 | 0.048531178 | 0.379702023 |
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| ENSG00000241484 | ARHGAP8 | 1.124702145 | 1.862954283 | 2.084872195 | 0.048405767 | 0.379388053 |
| ENSG00000254667 | AP000783.1 | -0.957935061 | 0.614931131 | -2.149293468 | 0.042398073 | 0.362636645 |
| ENSG00000198797 | BRINP2 | -1.093179241 | 0.901857263 | -2.134407388 | 0.04372333 | 0.364118884 |
| ENSG00000175643 | RMI2 | -1.040855789 | 1.634659462 | -2.098322184 | 0.047091843 | 0.376039746 |
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| ENSG00000104953 | TLE6 | 1.371355565 | 1.926366196 | 2.084936798 | 0.048399378 | 0.379388053 |
| ENSG00000107669 | ATE1 | 1.113064782 | 3.426539642 | 2.117222465 | 0.045299526 | 0.369850998 |
| ENSG00000227051 | C14orf132 | -1.311532662 | 1.194288478 | -2.117182287 | 0.045303271 | 0.369850998 |
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| ENSG00000152939 | MARVELD2 | 1.065518827 | 4.566590886 | 2.184825747 | 0.039380025 | 0.358625635 |
| ENSG00000254553 | RP1-27O5.3 | 0.886070909 | 0.335231866 | 2.150623367 | 0.042281457 | 0.362636645 |
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| ENSG00000204176 | SYT15 | 1.509484855 | 2.591340092 | 2.097489425 | 0.047172256 | 0.376490273 |
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| ENSG00000118193 | KIF14 | -1.511347688 | 3.546128478 | -2.099986976 | 0.046931453 | 0.375387595 |
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| ENSG00000126749 | EMG1 | -0.800253437 | 5.804132779 | -2.202627916 | 0.037942227 | 0.352114194 |
| ENSG00000146143 | PRIM2 | -0.859633098 | 5.073036673 | -2.159936411 | 0.041472886 | 0.362636645 |
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| ENSG00000118200 | CAMSAP2 | 0.851968605 | 5.231330346 | 2.186107293 | 0.039274896 | 0.3580839 |
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| ENSG00000057468 | MSH4 | 0.966796861 | 0.550252562 | 2.088143211 | 0.048083236 | 0.378821105 |
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| ENSG00000157800 | SLC37A3 | 0.646443901 | 5.916473345 | 2.183658635 | 0.039475988 | 0.358641419 |
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| ENSG00000129255 | MPDU1 | -0.779845854 | 4.992909608 | -2.126680409 | 0.044425838 | 0.366525797 |
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| ENSG00000154447 | SH3RF1 | 0.998229518 | 4.776348309 | 2.120911545 | 0.044956923 | 0.368750171 |
| ENSG00000164944 | KIAA1429 | 0.683813073 | 7.154731836 | 2.217154989 | 0.036804388 | 0.348647583 |
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| ENSG00000155324 | GRAMD3 | 1.148458746 | 4.626237107 | 2.074440593 | 0.049447324 | 0.380705578 |
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