

Results of DEGs analysis

| Gene symbol | LogFC | AveExpr | <i>t</i> | P value | FDR | B | FC |
|-------------------|----------|----------|----------|----------|----------|----------|----|
| <i>RPS4Y1</i> | 4.194222 | 4.339154 | 6.039454 | 1.78E-06 | 0.002284 | 4.439134 | Up |
| <i>DDX3Y</i> | 3.143001 | 3.005519 | 6.580179 | 4.28E-07 | 0.002284 | 5.872636 | Up |
| <i>EIF1AY</i> | 2.247875 | 2.113352 | 6.697457 | 3.16E-07 | 0.002284 | 6.180217 | Up |
| <i>FGG</i> | 2.015582 | 2.028876 | 4.155245 | 0.000285 | 0.012016 | -0.61848 | Up |
| <i>CXCL8</i> | 1.911682 | 2.217674 | 2.8443 | 0.008309 | 0.080009 | -3.87295 | Up |
| <i>SNORA73A</i> | 1.784756 | 4.891938 | 2.824404 | 0.008717 | 0.082324 | -3.91801 | Up |
| <i>CXCL1</i> | 1.689804 | 2.666542 | 2.670795 | 0.012565 | 0.102645 | -4.25987 | Up |
| <i>CYP11B1</i> | 1.561504 | 3.32453 | 6.727456 | 2.92E-07 | 0.002284 | 6.25868 | Up |
| <i>IGHG4</i> | 1.541758 | 3.690469 | 2.526857 | 0.017562 | 0.126753 | -4.56993 | Up |
| <i>CCL2</i> | 1.540555 | 4.927533 | 2.131261 | 0.04216 | 0.217972 | -5.36396 | Up |
| <i>TXLNGY</i> | 1.486363 | 1.393315 | 6.149104 | 1.33E-06 | 0.002284 | 4.731656 | Up |
| <i>KDM5D</i> | 1.46521 | 1.561319 | 5.019048 | 2.77E-05 | 0.004548 | 1.691688 | Up |
| <i>AC006011.1</i> | 1.447072 | 2.837887 | 2.872661 | 0.007758 | 0.076692 | -3.80843 | Up |
| <i>SI00A9</i> | 1.43925 | 5.791227 | 5.221615 | 1.60E-05 | 0.00376 | 2.238673 | Up |
| <i>BPIFB1</i> | 1.431783 | 2.643546 | 2.149854 | 0.040525 | 0.212571 | -5.32873 | Up |
| <i>AC245369.3</i> | 1.414678 | 2.891116 | 3.175447 | 0.003674 | 0.049262 | -3.09942 | Up |
| <i>RN7SKP203</i> | 1.406275 | 5.02265 | 2.568446 | 0.015956 | 0.119057 | -4.48142 | Up |
| <i>CXCL2</i> | 1.393602 | 4.686943 | 2.175382 | 0.038372 | 0.205962 | -5.28 | Up |
| <i>LYZ</i> | 1.357627 | 8.042834 | 4.40571 | 0.000145 | 0.00859 | 0.044868 | Up |
| <i>IGLV3.10</i> | 1.346342 | 3.035119 | 2.957028 | 0.006317 | 0.068085 | -3.61449 | Up |
| <i>ATP6V0D2</i> | 1.337976 | 1.657796 | 3.181783 | 0.003616 | 0.048879 | -3.08421 | Up |
| <i>VNN2</i> | 1.322515 | 1.903468 | 6.384238 | 7.15E-07 | 0.002284 | 5.355934 | Up |
| <i>PTP4A2</i> | 1.319069 | 4.11226 | 3.622489 | 0.001168 | 0.02531 | -1.9961 | Up |
| <i>NAMPT</i> | 1.317922 | 5.014586 | 3.892618 | 0.000574 | 0.017193 | -1.30437 | Up |
| <i>PRKY</i> | 1.309186 | 1.402349 | 4.942055 | 3.41E-05 | 0.004764 | 1.483956 | Up |
| <i>MSR1</i> | 1.309108 | 5.699711 | 4.438343 | 0.000133 | 0.008328 | 0.131816 | Up |
| <i>CCL20</i> | 1.293857 | 1.30008 | 2.694099 | 0.011894 | 0.098904 | -4.20871 | Up |
| <i>AQP9</i> | 1.290146 | 3.063072 | 3.720683 | 0.000904 | 0.021971 | -1.7465 | Up |
| <i>SI00A8</i> | 1.283322 | 5.121228 | 3.225759 | 0.003237 | 0.045498 | -2.97832 | Up |
| <i>BCAT1</i> | 1.25196 | 3.05506 | 6.208506 | 1.14E-06 | 0.002284 | 4.88977 | Up |
| <i>MNDA</i> | 1.241238 | 3.912317 | 5.397876 | 9.93E-06 | 0.003074 | 2.71463 | Up |
| <i>LY96</i> | 1.238943 | 2.620936 | 5.412238 | 9.55E-06 | 0.003064 | 2.753394 | Up |
| <i>JCHAIN</i> | 1.235168 | 7.213178 | 2.970783 | 0.006107 | 0.066839 | -3.58259 | Up |
| <i>IGLV3.1</i> | 1.234005 | 4.432332 | 2.523152 | 0.017712 | 0.127392 | -4.57777 | Up |
| <i>TTY15</i> | 1.232855 | 1.193815 | 6.070507 | 1.64E-06 | 0.002284 | 4.52206 | Up |
| <i>OLR1</i> | 1.230184 | 4.80398 | 4.604598 | 8.50E-05 | 0.006722 | 0.576279 | Up |
| <i>IGHV1.18</i> | 1.229975 | 4.273777 | 2.943775 | 0.006525 | 0.069376 | -3.64515 | Up |
| <i>RND1</i> | 1.225112 | 1.763101 | 2.143187 | 0.041105 | 0.214518 | -5.34139 | Up |
| <i>IGKV1.33</i> | 1.219664 | 3.350849 | 2.324073 | 0.027751 | 0.16815 | -4.98825 | Up |
| <i>IGHV1.24</i> | 1.218205 | 2.240038 | 2.625542 | 0.013972 | 0.109386 | -4.35846 | Up |

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| <i>IGHV1.3</i> | 1.21591 | 3.373853 | 2.248018 | 0.032796 | 0.187048 | -5.13913 | Up |
| <i>GPNMB</i> | 1.194499 | 5.673765 | 3.106168 | 0.004369 | 0.054871 | -3.26471 | Up |
| <i>PLBD1</i> | 1.180284 | 4.895537 | 4.154168 | 0.000286 | 0.012022 | -0.62131 | Up |
| <i>CYBB</i> | 1.169636 | 6.134866 | 3.863382 | 0.00062 | 0.017936 | -1.37997 | Up |
| <i>LY86</i> | 1.166714 | 3.456571 | 4.530463 | 0.000104 | 0.007527 | 0.377801 | Up |
| <i>TREM2</i> | 1.166678 | 3.250892 | 2.91507 | 0.006999 | 0.072063 | -3.71131 | Up |
| <i>IGKV1D.33</i> | 1.152529 | 3.350694 | 2.219493 | 0.034892 | 0.194063 | -5.19484 | Up |
| <i>FTH1P11</i> | 1.152237 | 1.927796 | 4.858912 | 4.27E-05 | 0.005136 | 1.259832 | Up |
| <i>NAMPTP1</i> | 1.144875 | 2.260997 | 3.981974 | 0.000453 | 0.015202 | -1.0723 | Up |
| <i>PLA2G7</i> | 1.140476 | 2.731694 | 2.767043 | 0.010002 | 0.089338 | -4.04693 | Up |
| <i>SERPINA1</i> | 1.136043 | 5.638022 | 3.400487 | 0.002075 | 0.035229 | -2.55138 | Up |
| <i>IGSF6</i> | 1.129849 | 3.598767 | 4.989146 | 3.00E-05 | 0.004601 | 1.610993 | Up |
| <i>GPR15</i> | 1.127149 | 0.727972 | 6.250078 | 1.02E-06 | 0.002284 | 5.00027 | Up |
| <i>RNASE6</i> | 1.119886 | 3.177315 | 6.129911 | 1.40E-06 | 0.002284 | 4.680515 | Up |
| <i>IGHV1.69</i> | 1.115217 | 2.341962 | 2.802463 | 0.009189 | 0.084906 | -3.9675 | Up |
| <i>IGHV4.39</i> | 1.114103 | 4.692796 | 2.497473 | 0.018786 | 0.132204 | -4.63193 | Up |
| <i>CTSB</i> | 1.112503 | 7.428541 | 3.077589 | 0.004692 | 0.057244 | -3.33239 | Up |
| <i>ADA2</i> | 1.107578 | 3.822339 | 2.984318 | 0.005908 | 0.065491 | -3.55113 | Up |
| <i>ZFY</i> | 1.106357 | 1.049193 | 6.089318 | 1.56E-06 | 0.002284 | 4.572264 | Up |
| <i>COL14A1</i> | 1.09736 | 4.140644 | 2.841972 | 0.008356 | 0.080267 | -3.87823 | Up |
| <i>GOLT1B</i> | 1.09311 | 2.436488 | 4.219779 | 0.00024 | 0.010985 | -0.44831 | Up |
| <i>MPEG1</i> | 1.092441 | 4.439558 | 4.924524 | 3.57E-05 | 0.004781 | 1.436681 | Up |
| <i>AGTR2</i> | 1.091385 | 1.823247 | 2.7451 | 0.010539 | 0.092218 | -4.09586 | Up |
| <i>CXCL3</i> | 1.090614 | 1.685693 | 2.375253 | 0.024766 | 0.156826 | -4.88482 | Up |
| <i>FPR3</i> | 1.085606 | 4.330465 | 4.086783 | 0.000343 | 0.01313 | -0.79835 | Up |
| <i>BCL2A1</i> | 1.077948 | 3.933608 | 4.294137 | 0.000196 | 0.010009 | -0.25156 | Up |
| <i>CCL3</i> | 1.072694 | 1.891101 | 2.54618 | 0.016798 | 0.123032 | -4.52892 | Up |
| <i>C5A1</i> | 1.068723 | 3.820665 | 2.985112 | 0.005896 | 0.065453 | -3.54928 | Up |
| <i>AC026369.3</i> | 1.067739 | 2.639142 | 4.343003 | 0.000172 | 0.009409 | -0.1219 | Up |
| <i>LINC00890</i> | 1.066325 | 0.691148 | 3.229412 | 0.003207 | 0.04525 | -2.9695 | Up |
| <i>SERPINE1</i> | 1.063053 | 3.855563 | 2.645073 | 0.013348 | 0.10657 | -4.31603 | Up |
| <i>GPR183</i> | 1.060819 | 3.511058 | 3.537195 | 0.001459 | 0.028889 | -2.211 | Up |
| <i>PSMA6P1</i> | 1.053258 | 1.341208 | 4.332876 | 0.000177 | 0.00952 | -0.1488 | Up |
| <i>IGHV1.46</i> | 1.049937 | 2.828206 | 2.743124 | 0.010589 | 0.092538 | -4.10025 | Up |
| <i>SELL</i> | 1.048973 | 2.750158 | 3.654387 | 0.001075 | 0.024294 | -1.91527 | Up |
| <i>CXCR2</i> | 1.046637 | 1.791946 | 4.28046 | 0.000204 | 0.010151 | -0.2878 | Up |
| <i>IGHV3.23</i> | 1.044198 | 4.949041 | 2.941023 | 0.006569 | 0.069611 | -3.6515 | Up |
| <i>FGA</i> | 1.031891 | 1.179773 | 3.264198 | 0.002937 | 0.042919 | -2.88523 | Up |
| <i>FCGR3B</i> | 1.031749 | 1.456603 | 4.391476 | 0.000151 | 0.008804 | 0.006974 | Up |
| <i>MDFIC</i> | 1.03066 | 2.888877 | 4.016903 | 0.000413 | 0.014454 | -0.9812 | Up |
| <i>SPP1</i> | 1.030293 | 1.747436 | 2.727956 | 0.010977 | 0.094515 | -4.13393 | Up |
| <i>IGHV2.5</i> | 1.029367 | 3.87699 | 2.081316 | 0.046849 | 0.232851 | -5.45753 | Up |
| <i>IER3</i> | 1.028864 | 2.946148 | 2.266201 | 0.03152 | 0.182424 | -5.10337 | Up |

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| <i>IL1B</i> | 1.028444 | 2.779137 | 2.763247 | 0.010093 | 0.089858 | -4.05541 | Up |
| <i>CCL4</i> | 1.028046 | 3.413212 | 3.23168 | 0.003189 | 0.045081 | -2.96402 | Up |
| <i>SKIL</i> | 1.026119 | 3.593044 | 4.484261 | 0.000118 | 0.007843 | 0.254334 | Up |
| <i>SNX10</i> | 1.023931 | 3.622066 | 3.446143 | 0.001845 | 0.033043 | -2.43829 | Up |
| <i>MMP1</i> | 1.019113 | 0.866032 | 2.69675 | 0.011819 | 0.098621 | -4.20288 | Up |
| <i>EVI2B</i> | 1.017698 | 3.759153 | 4.728347 | 6.08E-05 | 0.005918 | 0.908446 | Up |
| <i>CTSS</i> | 1.012975 | 5.615565 | 4.137256 | 0.000299 | 0.012321 | -0.66581 | Up |
| <i>TIPARP</i> | 1.012389 | 4.372456 | 4.224605 | 0.000237 | 0.010958 | -0.43556 | Up |
| <i>CLC</i> | 1.0109 | 1.490663 | 2.472497 | 0.019887 | 0.136767 | -4.68427 | Up |
| <i>EEF1A1</i> | 1.010396 | 9.099816 | 4.322882 | 0.000182 | 0.009629 | -0.17532 | Up |
| <i>IGKC</i> | 1.003683 | 9.80105 | 2.197571 | 0.036584 | 0.199881 | -5.23731 | Up |
| <i>FGL2</i> | 0.999226 | 4.426209 | 3.954272 | 0.000488 | 0.015688 | -1.1444 | Up |
| <i>CD83</i> | 0.999141 | 4.167727 | 2.956634 | 0.006323 | 0.068115 | -3.6154 | Up |
| <i>MS4A7</i> | 0.997308 | 3.648146 | 3.40311 | 0.002061 | 0.035119 | -2.5449 | Up |
| <i>FCGR2A</i> | 0.993974 | 4.354154 | 3.866213 | 0.000616 | 0.017855 | -1.37266 | Up |
| <i>SFN</i> | 0.992741 | 2.829005 | 3.655171 | 0.001073 | 0.024254 | -1.91328 | Up |
| <i>ADTRP</i> | 0.990462 | 2.298398 | 3.761493 | 0.000812 | 0.020773 | -1.64212 | Up |
| <i>AP001324.1</i> | 0.989049 | 3.943651 | 5.193505 | 1.72E-05 | 0.003818 | 2.162752 | Up |
| <i>RGS2</i> | 0.984758 | 5.151326 | 2.758811 | 0.0102 | 0.090489 | -4.06531 | Up |
| <i>CXCR1</i> | 0.981074 | 1.544682 | 3.698158 | 0.000959 | 0.022758 | -1.80396 | Up |
| <i>MRC1</i> | 0.981012 | 6.565889 | 3.561154 | 0.001371 | 0.027761 | -2.15082 | Up |
| <i>CD14</i> | 0.974963 | 4.658154 | 4.089484 | 0.00034 | 0.013095 | -0.79127 | Up |
| <i>IGKV1.13</i> | 0.972311 | 2.40543 | 2.364766 | 0.025352 | 0.159433 | -4.90614 | Up |
| <i>ALOX5AP</i> | 0.964566 | 5.536543 | 3.874452 | 0.000603 | 0.017616 | -1.35137 | Up |
| <i>LCN2</i> | 0.962968 | 1.993111 | 3.203244 | 0.003426 | 0.047134 | -3.03262 | Up |
| <i>HEXB</i> | 0.956079 | 5.398298 | 4.090402 | 0.000339 | 0.01309 | -0.78886 | Up |
| <i>CD68</i> | 0.955939 | 5.502242 | 3.576474 | 0.001317 | 0.027156 | -2.11227 | Up |
| <i>BACH1</i> | 0.955342 | 3.933263 | 6.528638 | 4.90E-07 | 0.002284 | 5.737054 | Up |
| <i>USP9Y</i> | 0.954498 | 1.140168 | 3.854888 | 0.000635 | 0.018192 | -1.40191 | Up |
| <i>SAMSN1</i> | 0.947262 | 3.314536 | 3.978159 | 0.000458 | 0.015244 | -1.08224 | Up |
| <i>FPR1</i> | 0.94206 | 3.536292 | 3.250133 | 0.003044 | 0.043854 | -2.91935 | Up |
| <i>AC010733.2</i> | 0.934801 | 3.063996 | 3.634652 | 0.001132 | 0.024892 | -1.96531 | Up |
| <i>ITGBL1</i> | 0.932701 | 3.479953 | 3.340706 | 0.002418 | 0.038285 | -2.69853 | Up |
| <i>FCER1G</i> | 0.930226 | 5.258252 | 4.275248 | 0.000207 | 0.010235 | -0.30161 | Up |
| <i>SI00A12</i> | 0.926603 | 0.940725 | 3.824562 | 0.000688 | 0.019127 | -1.4801 | Up |
| <i>NCF2</i> | 0.913375 | 5.156426 | 4.207913 | 0.000248 | 0.011122 | -0.47964 | Up |
| <i>LAPTM5</i> | 0.908776 | 7.130797 | 4.040888 | 0.000387 | 0.013957 | -0.91853 | Up |
| <i>SGMS2</i> | 0.904689 | 4.024028 | 3.932446 | 0.000517 | 0.016233 | -1.20111 | Up |
| <i>CYTIP</i> | 0.904134 | 3.965966 | 4.775499 | 5.35E-05 | 0.005557 | 1.03525 | Up |
| <i>UTY</i> | 0.903365 | 0.986603 | 4.873279 | 4.11E-05 | 0.005048 | 1.298542 | Up |
| <i>FYB1</i> | 0.900708 | 2.57778 | 4.240277 | 0.000227 | 0.010652 | -0.39414 | Up |
| <i>CPA3</i> | 0.89967 | 5.221416 | 2.768993 | 0.009956 | 0.089087 | -4.04257 | Up |
| <i>MS4A4A</i> | 0.891745 | 3.351725 | 4.622601 | 8.10E-05 | 0.006607 | 0.624541 | Up |

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|-------------------|----------|----------|----------|----------|----------|----------|----|
| <i>IGHG3</i> | 0.887352 | 5.655826 | 2.069279 | 0.048046 | 0.236571 | -5.47983 | Up |
| <i>IGLJ1</i> | 0.885684 | 1.254017 | 2.315966 | 0.028253 | 0.170006 | -5.00449 | Up |
| <i>IL1A</i> | 0.883011 | 1.507708 | 4.068927 | 0.000359 | 0.013455 | -0.84515 | Up |
| <i>GLIPR1</i> | 0.879313 | 2.891459 | 5.170363 | 1.84E-05 | 0.003935 | 2.100248 | Up |
| <i>TLR8</i> | 0.876751 | 2.492101 | 3.603907 | 0.001226 | 0.026009 | -2.04308 | Up |
| <i>SRGN</i> | 0.874792 | 6.901675 | 3.898855 | 0.000565 | 0.017031 | -1.28822 | Up |
| <i>FTH1P20</i> | 0.874003 | 2.391011 | 5.113293 | 2.14E-05 | 0.0042 | 1.946125 | Up |
| <i>AC005912.1</i> | 0.872416 | 4.157775 | 3.984326 | 0.00045 | 0.015125 | -1.06617 | Up |
| <i>B3GNT5</i> | 0.870503 | 2.326822 | 2.612436 | 0.014406 | 0.111532 | -4.38683 | Up |
| <i>SFRP2</i> | 0.870247 | 4.086563 | 2.077868 | 0.047189 | 0.233821 | -5.46393 | Up |
| <i>ELL2</i> | 0.86663 | 3.755745 | 3.563256 | 0.001363 | 0.027695 | -2.14554 | Up |
| <i>SLC6A14</i> | 0.866366 | 3.624437 | 2.747424 | 0.010481 | 0.091895 | -4.09069 | Up |
| <i>HLA.DMB</i> | 0.861208 | 4.909864 | 3.661898 | 0.001054 | 0.023995 | -1.8962 | Up |
| <i>NFIL3</i> | 0.860388 | 4.299986 | 2.385997 | 0.024177 | 0.154573 | -4.86292 | Up |
| <i>INHBA</i> | 0.859487 | 3.517311 | 3.484296 | 0.001673 | 0.031303 | -2.34332 | Up |
| <i>CD69</i> | 0.858941 | 3.197317 | 2.664089 | 0.012765 | 0.103677 | -4.27454 | Up |
| <i>CD84</i> | 0.854173 | 3.021049 | 3.451503 | 0.00182 | 0.032726 | -2.42497 | Up |
| <i>CD86</i> | 0.852532 | 2.400022 | 4.758597 | 5.60E-05 | 0.005692 | 0.989784 | Up |
| <i>CXCR4</i> | 0.852068 | 4.949501 | 3.370657 | 0.00224 | 0.036755 | -2.62494 | Up |
| <i>BIRC3</i> | 0.850562 | 3.466531 | 3.753092 | 0.00083 | 0.021034 | -1.66364 | Up |
| <i>BHLHE40</i> | 0.850277 | 5.000056 | 2.300017 | 0.029265 | 0.173731 | -5.03634 | Up |
| <i>LGMN</i> | 0.849339 | 5.238541 | 3.992915 | 0.00044 | 0.015043 | -1.04379 | Up |
| <i>LMO3</i> | 0.848871 | 3.275653 | 3.61257 | 0.001199 | 0.025677 | -2.02119 | Up |
| <i>RETN</i> | 0.846823 | 2.168691 | 2.637933 | 0.013573 | 0.107505 | -4.33157 | Up |
| <i>IL6ST</i> | 0.843768 | 4.733037 | 3.219087 | 0.003292 | 0.046041 | -2.99443 | Up |
| <i>MS4A6A</i> | 0.841654 | 3.310523 | 4.606504 | 8.46E-05 | 0.006722 | 0.581387 | Up |
| <i>IGKV2.4</i> | 0.840993 | 1.163909 | 2.938024 | 0.006617 | 0.069921 | -3.65843 | Up |
| <i>VNN1</i> | 0.840943 | 1.075601 | 4.62764 | 7.99E-05 | 0.006572 | 0.638052 | Up |
| <i>HS3ST2</i> | 0.836385 | 2.116015 | 2.654863 | 0.013045 | 0.105041 | -4.2947 | Up |
| <i>MT1G</i> | 0.834106 | 1.070282 | 3.579768 | 0.001306 | 0.027013 | -2.10397 | Up |
| <i>CHST11</i> | 0.832194 | 2.367257 | 5.6805 | 4.64E-06 | 0.002645 | 3.476461 | Up |
| <i>PTPRC</i> | 0.830895 | 4.681916 | 3.255551 | 0.003002 | 0.043449 | -2.90622 | Up |
| <i>C1orf162</i> | 0.826571 | 4.335897 | 4.133078 | 0.000303 | 0.012414 | -0.67679 | Up |
| <i>CCR1</i> | 0.820913 | 3.644374 | 3.399856 | 0.002079 | 0.035254 | -2.55294 | Up |
| <i>MTND2P28</i> | 0.81973 | 7.047467 | 2.715242 | 0.011313 | 0.096081 | -4.16208 | Up |
| <i>RAB31</i> | 0.818358 | 4.33512 | 2.161883 | 0.039497 | 0.20944 | -5.30581 | Up |
| <i>MT2A</i> | 0.813771 | 5.250881 | 2.494871 | 0.018898 | 0.13268 | -4.6374 | Up |
| <i>HACD3</i> | 0.812347 | 3.218052 | 2.651408 | 0.013151 | 0.105612 | -4.30223 | Up |
| <i>FCGR3A</i> | 0.812014 | 5.520346 | 2.936097 | 0.006649 | 0.070057 | -3.66288 | Up |
| <i>FUCA1</i> | 0.809538 | 4.943931 | 3.449299 | 0.001831 | 0.032865 | -2.43045 | Up |
| <i>HIF1A</i> | 0.807793 | 4.043479 | 4.066505 | 0.000362 | 0.013491 | -0.85149 | Up |
| <i>ACOT2</i> | 0.805738 | 2.652344 | 3.813547 | 0.000708 | 0.019368 | -1.50846 | Up |
| <i>MACROD2</i> | 0.803105 | 1.922185 | 3.039381 | 0.005158 | 0.060367 | -3.4224 | Up |

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|-------------------|----------|----------|----------|----------|----------|----------|----|
| <i>LDHA</i> | 0.797524 | 5.081463 | 4.727185 | 6.10E-05 | 0.005927 | 0.905322 | Up |
| <i>TNFAIP3</i> | 0.796008 | 4.00743 | 2.690341 | 0.012 | 0.099448 | -4.21698 | Up |
| <i>ARPC3</i> | 0.794922 | 5.606608 | 5.961854 | 2.19E-06 | 0.002284 | 4.231635 | Up |
| <i>C1S</i> | 0.793314 | 4.675286 | 2.911604 | 0.007058 | 0.072462 | -3.71927 | Up |
| <i>DNAJC5B</i> | 0.792754 | 1.569457 | 3.246582 | 0.003071 | 0.044096 | -2.92796 | Up |
| <i>KRT16P2</i> | 0.792735 | 0.698728 | 2.304141 | 0.029 | 0.172915 | -5.02812 | Up |
| <i>TMEM130</i> | 0.78838 | 1.716896 | 3.21019 | 0.003367 | 0.046738 | -3.01589 | Up |
| <i>DBI</i> | 0.786031 | 4.176166 | 4.437363 | 0.000134 | 0.008328 | 0.129202 | Up |
| <i>DNASE2B</i> | 0.785334 | 1.703347 | 2.390286 | 0.023946 | 0.153791 | -4.85416 | Up |
| <i>LEPROTL1</i> | 0.784588 | 3.671369 | 3.519936 | 0.001525 | 0.029751 | -2.25425 | Up |
| <i>IGLV7.43</i> | 0.782418 | 1.999833 | 2.404869 | 0.023175 | 0.150553 | -4.8243 | Up |
| <i>CD52</i> | 0.781704 | 6.48264 | 3.350892 | 0.002356 | 0.037802 | -2.67353 | Up |
| <i>RASGEF1B</i> | 0.781232 | 3.708225 | 3.562509 | 0.001366 | 0.027714 | -2.14742 | Up |
| <i>BCL2L1</i> | 0.78013 | 3.468537 | 3.351837 | 0.00235 | 0.037764 | -2.67121 | Up |
| <i>LUM</i> | 0.778263 | 7.181788 | 3.363179 | 0.002283 | 0.037226 | -2.64334 | Up |
| <i>C3AR1</i> | 0.77718 | 3.111919 | 3.854625 | 0.000635 | 0.018195 | -1.40259 | Up |
| <i>SH3PXD2B</i> | 0.776151 | 2.84308 | 4.220299 | 0.00024 | 0.010985 | -0.44694 | Up |
| <i>P2RY13</i> | 0.774832 | 2.391809 | 4.532395 | 0.000103 | 0.007518 | 0.382968 | Up |
| <i>MOXD1</i> | 0.774373 | 3.127402 | 3.194213 | 0.003505 | 0.047891 | -3.05435 | Up |
| <i>IGLV1.51</i> | 0.773376 | 3.373937 | 2.152322 | 0.040312 | 0.211989 | -5.32403 | Up |
| <i>DDX21</i> | 0.77314 | 3.935729 | 5.083476 | 2.32E-05 | 0.004341 | 1.865613 | Up |
| <i>RPL36A</i> | 0.772009 | 5.4044 | 3.99249 | 0.00044 | 0.015045 | -1.0449 | Up |
| <i>PTP4A1</i> | 0.76979 | 5.681909 | 3.554329 | 0.001395 | 0.028045 | -2.16798 | Up |
| <i>FCN1</i> | 0.769376 | 1.884704 | 3.287458 | 0.002769 | 0.041426 | -2.82867 | Up |
| <i>UTP14C</i> | 0.76815 | 1.541096 | 2.168797 | 0.038917 | 0.207664 | -5.2926 | Up |
| <i>CTSL</i> | 0.767963 | 4.83395 | 4.132063 | 0.000303 | 0.012414 | -0.67946 | Up |
| <i>RNF130</i> | 0.767506 | 4.619879 | 5.591338 | 5.89E-06 | 0.002809 | 3.23639 | Up |
| <i>OSBPL8</i> | 0.766702 | 3.924354 | 5.506286 | 7.41E-06 | 0.002899 | 3.00713 | Up |
| <i>VMP1</i> | 0.766692 | 4.332437 | 2.388474 | 0.024044 | 0.154152 | -4.85786 | Up |
| <i>RNU5D.1</i> | 0.766112 | 1.444871 | 2.82602 | 0.008683 | 0.082114 | -3.91436 | Up |
| <i>G3BP2</i> | 0.765081 | 4.044143 | 4.232988 | 0.000232 | 0.010797 | -0.41341 | Up |
| <i>UGCG</i> | 0.764358 | 4.055467 | 3.882442 | 0.00059 | 0.017449 | -1.3307 | Up |
| <i>TLR1</i> | 0.763588 | 2.833384 | 4.408011 | 0.000145 | 0.008572 | 0.050993 | Up |
| <i>AC015660.3</i> | 0.76336 | 0.947592 | 2.927308 | 0.006793 | 0.070941 | -3.68314 | Up |
| <i>CPVL</i> | 0.76336 | 4.165623 | 3.828365 | 0.000681 | 0.018992 | -1.47031 | Up |
| <i>GAPT</i> | 0.762214 | 0.876869 | 5.568172 | 6.27E-06 | 0.002809 | 3.173967 | Up |
| <i>LILRA5</i> | 0.761754 | 2.055745 | 3.483925 | 0.001674 | 0.031313 | -2.34425 | Up |
| <i>SFRP4</i> | 0.760978 | 2.887487 | 2.501942 | 0.018595 | 0.131386 | -4.62253 | Up |
| <i>IL10RA</i> | 0.757436 | 3.04828 | 3.402199 | 0.002066 | 0.035138 | -2.54715 | Up |
| <i>RRAGD</i> | 0.756483 | 3.203419 | 5.315803 | 1.24E-05 | 0.003395 | 2.493046 | Up |
| <i>BIN2</i> | 0.756033 | 2.806363 | 4.595748 | 8.71E-05 | 0.006789 | 0.552564 | Up |
| <i>AIF1</i> | 0.755097 | 4.392455 | 4.833699 | 4.57E-05 | 0.005223 | 1.191916 | Up |
| <i>NCF1</i> | 0.753636 | 2.174758 | 2.724552 | 0.011066 | 0.094891 | -4.14147 | Up |

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|-------------------|----------|----------|----------|----------|----------|----------|----|
| <i>LINC01010</i> | 0.751907 | 0.564685 | 3.011206 | 0.005529 | 0.062901 | -3.48842 | Up |
| <i>BHLHE41</i> | 0.750113 | 3.412037 | 3.409583 | 0.002027 | 0.034797 | -2.5289 | Up |
| <i>IDS</i> | 0.74938 | 3.759685 | 3.96363 | 0.000476 | 0.015488 | -1.12006 | Up |
| <i>OMD</i> | 0.749181 | 2.21164 | 3.812122 | 0.00071 | 0.019392 | -1.51213 | Up |
| <i>MARCO</i> | 0.747982 | 5.93924 | 2.342085 | 0.026665 | 0.164132 | -4.95202 | Up |
| <i>TXNRD1</i> | 0.747773 | 3.117015 | 2.412464 | 0.022782 | 0.148997 | -4.8087 | Up |
| <i>IGKV1.8</i> | 0.747616 | 1.632937 | 2.392867 | 0.023808 | 0.153149 | -4.84888 | Up |
| <i>MANIA1</i> | 0.7474 | 4.821277 | 4.930256 | 3.52E-05 | 0.004764 | 1.452137 | Up |
| <i>ACSL4</i> | 0.746745 | 2.876069 | 3.003404 | 0.005637 | 0.063628 | -3.50664 | Up |
| <i>TRIB1</i> | 0.743978 | 4.378829 | 2.281228 | 0.030499 | 0.178397 | -5.07367 | Up |
| <i>RPS26P6</i> | 0.74054 | 2.435084 | 2.203288 | 0.036136 | 0.198401 | -5.22626 | Up |
| <i>METAP2</i> | 0.739467 | 4.165758 | 4.842175 | 4.47E-05 | 0.005197 | 1.214743 | Up |
| <i>RNU6.619P</i> | 0.738633 | 0.924789 | 2.052114 | 0.0498 | 0.241657 | -5.51148 | Up |
| <i>RN7SL368P</i> | 0.738209 | 1.574631 | 2.186488 | 0.037467 | 0.202854 | -5.25867 | Up |
| <i>SLC16A6</i> | 0.737603 | 1.298366 | 3.987801 | 0.000446 | 0.015087 | -1.05712 | Up |
| <i>TMSB4Y</i> | 0.736344 | 0.717976 | 5.377887 | 1.05E-05 | 0.003109 | 2.660673 | Up |
| <i>FKBP5</i> | 0.736046 | 4.557529 | 2.20122 | 0.036297 | 0.19894 | -5.23026 | Up |
| <i>PHF11</i> | 0.734456 | 3.113459 | 4.340238 | 0.000174 | 0.009429 | -0.12925 | Up |
| <i>RCAN1</i> | 0.733157 | 3.357511 | 2.71276 | 0.01138 | 0.096238 | -4.16756 | Up |
| <i>EMB</i> | 0.733105 | 3.212404 | 3.789365 | 0.000754 | 0.019959 | -1.57063 | Up |
| <i>DSTN</i> | 0.732387 | 6.36084 | 4.356736 | 0.000166 | 0.009255 | -0.08542 | Up |
| <i>TREM1</i> | 0.731384 | 4.143679 | 2.673719 | 0.012479 | 0.102029 | -4.25347 | Up |
| <i>C8orf4</i> | 0.730825 | 5.34919 | 2.488513 | 0.019174 | 0.134036 | -4.65074 | Up |
| <i>RPL41</i> | 0.730596 | 7.838595 | 3.545305 | 0.001428 | 0.028521 | -2.19065 | Up |
| <i>RNF145</i> | 0.730469 | 4.448953 | 2.899228 | 0.007274 | 0.073843 | -3.74768 | Up |
| <i>RBI</i> | 0.729326 | 3.249175 | 3.500025 | 0.001606 | 0.030533 | -2.30406 | Up |
| <i>IGKVID.13</i> | 0.728323 | 1.162965 | 2.356265 | 0.025837 | 0.161279 | -4.92337 | Up |
| <i>EIF3E</i> | 0.727373 | 5.226816 | 5.081216 | 2.34E-05 | 0.004341 | 1.859509 | Up |
| <i>CTSK</i> | 0.726895 | 4.632074 | 2.632115 | 0.013759 | 0.108305 | -4.34421 | Up |
| <i>ZFAND5</i> | 0.725574 | 5.743767 | 3.274047 | 0.002865 | 0.042316 | -2.8613 | Up |
| <i>GPR160</i> | 0.724926 | 1.967097 | 3.556015 | 0.001389 | 0.027964 | -2.16374 | Up |
| <i>TPP1</i> | 0.724122 | 1.919441 | 4.59629 | 8.69E-05 | 0.006789 | 0.554017 | Up |
| <i>DCSTAMP</i> | 0.723131 | 1.130227 | 3.075017 | 0.004722 | 0.057411 | -3.33847 | Up |
| <i>CPE</i> | 0.722856 | 4.999127 | 3.523615 | 0.001511 | 0.029592 | -2.24504 | Up |
| <i>ADAM17</i> | 0.722692 | 3.505925 | 4.042628 | 0.000385 | 0.013919 | -0.91398 | Up |
| <i>SLC31A1</i> | 0.722548 | 3.814206 | 3.886458 | 0.000584 | 0.017389 | -1.32031 | Up |
| <i>HAVCR2</i> | 0.720711 | 3.679324 | 3.252226 | 0.003028 | 0.043712 | -2.91428 | Up |
| <i>JAML</i> | 0.720216 | 2.593587 | 3.656752 | 0.001068 | 0.024183 | -1.90927 | Up |
| <i>ACTR2</i> | 0.719504 | 6.230044 | 5.80365 | 3.34E-06 | 0.002284 | 3.8075 | Up |
| <i>SLC46A3</i> | 0.718391 | 2.749912 | 4.921886 | 3.60E-05 | 0.004781 | 1.429566 | Up |
| <i>BX679664.3</i> | 0.718369 | 4.691812 | 5.402627 | 9.80E-06 | 0.003064 | 2.727456 | Up |
| <i>RPL11</i> | 0.71636 | 6.736422 | 4.124114 | 0.00031 | 0.012572 | -0.70036 | Up |
| <i>LACTB</i> | 0.713368 | 2.959551 | 5.043815 | 2.59E-05 | 0.00443 | 1.758537 | Up |

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|--------------------|----------|----------|----------|----------|----------|----------|----|
| <i>FCGR2B</i> | 0.713185 | 2.73801 | 3.660487 | 0.001058 | 0.024044 | -1.89979 | Up |
| <i>ANXA1</i> | 0.712816 | 6.604959 | 3.561599 | 0.001369 | 0.02776 | -2.14971 | Up |
| <i>CGGBP1</i> | 0.711252 | 3.350912 | 3.1999 | 0.003455 | 0.047434 | -3.04067 | Up |
| <i>ACP5</i> | 0.711194 | 5.41758 | 2.683322 | 0.0122 | 0.100459 | -4.2324 | Up |
| <i>CLEC2B</i> | 0.711158 | 3.042781 | 4.409335 | 0.000144 | 0.008572 | 0.054521 | Up |
| <i>GZMB</i> | 0.710063 | 2.21614 | 2.486574 | 0.019259 | 0.134434 | -4.65481 | Up |
| <i>GM2A</i> | 0.709862 | 5.125121 | 3.104257 | 0.00439 | 0.055035 | -3.26925 | Up |
| <i>LINC00278</i> | 0.709295 | 0.625928 | 6.153751 | 1.31E-06 | 0.002284 | 4.744034 | Up |
| <i>STK17B</i> | 0.709141 | 4.675545 | 4.113429 | 0.000319 | 0.012735 | -0.72843 | Up |
| <i>ATP5J</i> | 0.709085 | 3.593421 | 4.475612 | 0.00012 | 0.007954 | 0.231243 | Up |
| <i>CD163</i> | 0.708499 | 5.177065 | 2.300633 | 0.029225 | 0.173688 | -5.03511 | Up |
| <i>CSF2RA</i> | 0.708218 | 1.931588 | 5.237026 | 1.53E-05 | 0.003667 | 2.280297 | Up |
| <i>AC116533.1</i> | 0.707963 | 3.918331 | 3.873841 | 0.000604 | 0.017634 | -1.35295 | Up |
| <i>VSIG4</i> | 0.706728 | 4.533797 | 2.296485 | 0.029494 | 0.174656 | -5.04338 | Up |
| <i>IQGAP2</i> | 0.701864 | 3.397335 | 4.604003 | 8.51E-05 | 0.006722 | 0.574685 | Up |
| <i>DOCK11</i> | 0.700968 | 3.536825 | 4.325052 | 0.000181 | 0.009589 | -0.16957 | Up |
| <i>OSGIN2</i> | 0.699808 | 3.042848 | 5.606896 | 5.65E-06 | 0.002775 | 3.278301 | Up |
| <i>HLA.DRA</i> | 0.698832 | 10.06796 | 3.470183 | 0.001735 | 0.031893 | -2.3785 | Up |
| <i>PADI2</i> | 0.697666 | 1.260542 | 3.252728 | 0.003024 | 0.043686 | -2.91306 | Up |
| <i>PPP6R3</i> | 0.695906 | 3.623397 | 4.068165 | 0.00036 | 0.013458 | -0.84714 | Up |
| <i>CSTB</i> | 0.695562 | 3.395472 | 3.432679 | 0.00191 | 0.033753 | -2.4717 | Up |
| <i>RRM2B</i> | 0.695437 | 3.618035 | 5.109582 | 2.16E-05 | 0.004228 | 1.936104 | Up |
| <i>CMTM6</i> | 0.695406 | 4.932581 | 4.604352 | 8.51E-05 | 0.006722 | 0.57562 | Up |
| <i>MCL1</i> | 0.694767 | 6.818028 | 3.850278 | 0.000642 | 0.018333 | -1.41381 | Up |
| <i>SKP1</i> | 0.694755 | 3.854761 | 3.806379 | 0.000721 | 0.019519 | -1.5269 | Up |
| <i>ACAA2</i> | 0.694213 | 4.010421 | 3.392834 | 0.002116 | 0.035574 | -2.57027 | Up |
| <i>LCPI</i> | 0.693742 | 6.446138 | 3.175681 | 0.003672 | 0.049245 | -3.09886 | Up |
| <i>PLAUR</i> | 0.693467 | 3.220917 | 2.318196 | 0.028115 | 0.169477 | -5.00003 | Up |
| <i>TLR4</i> | 0.693004 | 3.041089 | 4.84808 | 4.40E-05 | 0.005144 | 1.23065 | Up |
| <i>SEMI</i> | 0.692082 | 2.532528 | 4.51593 | 0.000108 | 0.007648 | 0.338945 | Up |
| <i>CREG1</i> | 0.691884 | 5.535677 | 4.426504 | 0.000138 | 0.008421 | 0.100258 | Up |
| <i>CD302</i> | 0.691862 | 4.822322 | 2.591956 | 0.015109 | 0.114865 | -4.43099 | Up |
| <i>SYS1.DBNDD2</i> | 0.691786 | 0.855332 | 2.745883 | 0.010519 | 0.092132 | -4.09411 | Up |
| <i>PDGFC</i> | 0.69027 | 2.666347 | 4.408394 | 0.000144 | 0.008572 | 0.052015 | Up |
| <i>AL009174.1</i> | 0.689788 | 2.112868 | 3.356034 | 0.002325 | 0.037517 | -2.6609 | Up |
| <i>FCERIA</i> | 0.687474 | 2.882392 | 2.905956 | 0.007156 | 0.073137 | -3.73224 | Up |
| <i>GPR65</i> | 0.681234 | 2.207005 | 4.114858 | 0.000318 | 0.012704 | -0.72467 | Up |
| <i>SLC7A2</i> | 0.679507 | 2.219809 | 3.903188 | 0.000558 | 0.016965 | -1.27699 | Up |
| <i>AC118553.2</i> | 0.678609 | 2.407989 | 2.438996 | 0.021458 | 0.143559 | -4.75395 | Up |
| <i>GPRIN3</i> | 0.678503 | 2.98835 | 3.741245 | 0.000856 | 0.021245 | -1.69396 | Up |
| <i>CD300E</i> | 0.678255 | 1.586516 | 3.025165 | 0.005342 | 0.061691 | -3.45575 | Up |
| <i>SLC31A2</i> | 0.676927 | 2.953264 | 2.402155 | 0.023317 | 0.151032 | -4.82986 | Up |
| <i>CTSZ</i> | 0.676627 | 6.876707 | 3.073626 | 0.004738 | 0.057515 | -3.34175 | Up |

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|-------------------|----------|----------|----------|----------|----------|----------|----|
| <i>RGS1</i> | 0.676314 | 3.42411 | 2.14369 | 0.041061 | 0.214428 | -5.34043 | Up |
| <i>CD48</i> | 0.676168 | 3.739615 | 3.163101 | 0.00379 | 0.050192 | -3.129 | Up |
| <i>MCFD2</i> | 0.675138 | 3.681045 | 2.075507 | 0.047423 | 0.234586 | -5.4683 | Up |
| <i>MITF</i> | 0.675106 | 1.759016 | 5.703222 | 4.36E-06 | 0.002514 | 3.537593 | Up |
| <i>AC009977.1</i> | 0.672239 | 0.614149 | 4.548519 | 9.89E-05 | 0.007369 | 0.426102 | Up |
| <i>DNASE1L3</i> | 0.671857 | 2.237217 | 2.292944 | 0.029724 | 0.175546 | -5.05042 | Up |
| <i>SELENOP</i> | 0.671612 | 6.98516 | 3.765722 | 0.000803 | 0.020675 | -1.63129 | Up |
| <i>SOAT1</i> | 0.669703 | 3.799313 | 4.277893 | 0.000205 | 0.010198 | -0.2946 | Up |
| <i>ITGAM</i> | 0.668557 | 3.428066 | 2.431449 | 0.021827 | 0.14485 | -4.76956 | Up |
| <i>AKAP12</i> | 0.66719 | 3.695337 | 2.8099 | 0.009026 | 0.084048 | -3.95075 | Up |
| <i>NNMT</i> | 0.666007 | 4.573186 | 2.481254 | 0.019495 | 0.135239 | -4.66596 | Up |
| <i>UBE3A</i> | 0.664895 | 3.21499 | 4.485296 | 0.000117 | 0.007831 | 0.257098 | Up |
| <i>PID1</i> | 0.664822 | 3.186591 | 2.244592 | 0.033041 | 0.187748 | -5.14585 | Up |
| <i>FAM107A</i> | 0.664025 | 4.310223 | 2.877887 | 0.00766 | 0.076115 | -3.7965 | Up |
| <i>ENPP4</i> | 0.663758 | 3.809495 | 4.155239 | 0.000285 | 0.012016 | -0.61849 | Up |
| <i>PLXDC2</i> | 0.661888 | 4.848372 | 3.923547 | 0.000529 | 0.016445 | -1.22421 | Up |
| <i>GMFB</i> | 0.661605 | 3.450535 | 2.617545 | 0.014235 | 0.110635 | -4.37578 | Up |
| <i>CSTA</i> | 0.661391 | 2.953917 | 4.432176 | 0.000135 | 0.008384 | 0.115376 | Up |
| <i>TWF1</i> | 0.661388 | 3.63373 | 4.505555 | 0.000111 | 0.007742 | 0.311215 | Up |
| <i>HSP90AA1</i> | 0.661136 | 6.719465 | 4.442576 | 0.000132 | 0.008296 | 0.143102 | Up |
| <i>ATP6AP1</i> | 0.66022 | 4.836251 | 3.257969 | 0.002984 | 0.043292 | -2.90035 | Up |
| <i>IL1RAP</i> | 0.659708 | 2.224722 | 4.12693 | 0.000308 | 0.012505 | -0.69295 | Up |
| <i>GPR137B</i> | 0.658499 | 3.50606 | 4.136821 | 0.0003 | 0.012321 | -0.66695 | Up |
| <i>DNAJB9</i> | 0.657044 | 3.750486 | 4.885269 | 3.98E-05 | 0.004986 | 1.330856 | Up |
| <i>AC099336.2</i> | 0.655959 | 2.72015 | 3.973643 | 0.000463 | 0.015318 | -1.094 | Up |
| <i>RPL9</i> | 0.654659 | 5.198282 | 2.903897 | 0.007192 | 0.07334 | -3.73697 | Up |
| <i>DPY19L1</i> | 0.652696 | 3.166497 | 4.563099 | 9.51E-05 | 0.007177 | 0.465124 | Up |
| <i>PFDN5</i> | 0.652045 | 5.512871 | 6.151653 | 1.32E-06 | 0.002284 | 4.738446 | Up |
| <i>USP3</i> | 0.651238 | 3.29429 | 3.583783 | 0.001292 | 0.026831 | -2.09385 | Up |
| <i>CLEC7A</i> | 0.650979 | 2.0391 | 4.764808 | 5.51E-05 | 0.005654 | 1.006489 | Up |
| <i>SI00A11</i> | 0.650413 | 6.93102 | 4.393703 | 0.00015 | 0.008772 | 0.012902 | Up |
| <i>ELOVL5</i> | 0.650011 | 4.738905 | 4.487274 | 0.000117 | 0.007817 | 0.26238 | Up |
| <i>PYGL</i> | 0.649819 | 3.220035 | 4.003913 | 0.000427 | 0.014747 | -1.01511 | Up |
| <i>QPCT</i> | 0.649562 | 1.468662 | 3.729842 | 0.000882 | 0.021596 | -1.72311 | Up |
| <i>TMED5</i> | 0.649328 | 3.67741 | 4.183534 | 0.000264 | 0.011508 | -0.54395 | Up |
| <i>FAM49B</i> | 0.648823 | 2.492502 | 3.651637 | 0.001083 | 0.024362 | -1.92225 | Up |
| <i>NAP1L1</i> | 0.647514 | 3.683905 | 4.342444 | 0.000173 | 0.009409 | -0.12339 | Up |
| <i>TLR7</i> | 0.647283 | 1.995217 | 3.815203 | 0.000705 | 0.019338 | -1.5042 | Up |
| <i>NCEH1</i> | 0.646661 | 2.635696 | 3.901746 | 0.000561 | 0.017 | -1.28073 | Up |
| <i>YWHAZ</i> | 0.646197 | 6.964972 | 5.790302 | 3.46E-06 | 0.002284 | 3.771654 | Up |
| <i>DPP4</i> | 0.646164 | 3.209663 | 3.082464 | 0.004635 | 0.056809 | -3.32087 | Up |
| <i>PIGA</i> | 0.644789 | 2.489326 | 2.593396 | 0.015059 | 0.114589 | -4.42789 | Up |
| <i>LYSMD3</i> | 0.644518 | 3.013627 | 3.941254 | 0.000505 | 0.016016 | -1.17824 | Up |

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|-------------------|----------|----------|----------|----------|----------|----------|----|
| <i>SCIMP</i> | 0.64348 | 2.753469 | 3.940513 | 0.000506 | 0.01603 | -1.18016 | Up |
| <i>NEXN</i> | 0.643297 | 2.317402 | 3.379648 | 0.002189 | 0.036232 | -2.60279 | Up |
| <i>PLEK</i> | 0.642877 | 4.156196 | 3.178035 | 0.00365 | 0.049083 | -3.09321 | Up |
| <i>IFI16</i> | 0.642874 | 4.455109 | 4.08651 | 0.000343 | 0.01313 | -0.79907 | Up |
| <i>RPS3AP26</i> | 0.642673 | 4.643215 | 4.563272 | 9.51E-05 | 0.007177 | 0.465586 | Up |
| <i>CD164</i> | 0.64259 | 4.800765 | 2.863126 | 0.007939 | 0.077953 | -3.83016 | Up |
| <i>GUSB</i> | 0.642377 | 3.679167 | 3.645153 | 0.001101 | 0.024582 | -1.9387 | Up |
| <i>TRAM1</i> | 0.642113 | 5.152729 | 5.323045 | 1.22E-05 | 0.003362 | 2.512602 | Up |
| <i>STEAP4</i> | 0.641667 | 4.394627 | 2.067739 | 0.048201 | 0.237149 | -5.48268 | Up |
| <i>HLA.DPA1</i> | 0.641473 | 7.327111 | 2.873522 | 0.007742 | 0.076608 | -3.80646 | Up |
| <i>CD58</i> | 0.641046 | 3.044545 | 3.600197 | 0.001238 | 0.026063 | -2.05244 | Up |
| <i>LIG4</i> | 0.639937 | 1.842258 | 6.088303 | 1.56E-06 | 0.002284 | 4.569555 | Up |
| <i>EREG</i> | 0.637502 | 0.660185 | 2.343142 | 0.026603 | 0.163881 | -4.94989 | Up |
| <i>SLC2A3</i> | 0.636887 | 3.789265 | 2.296235 | 0.02951 | 0.174715 | -5.04387 | Up |
| <i>CEACAM5</i> | 0.636717 | 1.276502 | 2.063462 | 0.048634 | 0.238386 | -5.49058 | Up |
| <i>CTSC</i> | 0.636628 | 6.225597 | 2.860925 | 0.007982 | 0.078248 | -3.83517 | Up |
| <i>SMOC2</i> | 0.636181 | 3.022841 | 2.449952 | 0.020932 | 0.141348 | -4.73123 | Up |
| <i>HBEGF</i> | 0.633709 | 4.074372 | 2.148168 | 0.040671 | 0.213101 | -5.33193 | Up |
| <i>CCDC47</i> | 0.633549 | 4.553885 | 4.672101 | 7.08E-05 | 0.006306 | 0.757351 | Up |
| <i>RGS18</i> | 0.633109 | 1.605616 | 3.86297 | 0.000621 | 0.017936 | -1.38104 | Up |
| <i>CCDC80</i> | 0.63302 | 4.224287 | 2.439658 | 0.021426 | 0.143468 | -4.75257 | Up |
| <i>LYN</i> | 0.632704 | 3.25636 | 3.954366 | 0.000487 | 0.015688 | -1.14416 | Up |
| <i>BCAS2</i> | 0.631528 | 3.707033 | 5.261962 | 1.43E-05 | 0.003564 | 2.347645 | Up |
| <i>XBPI</i> | 0.631283 | 5.319105 | 3.091416 | 0.004533 | 0.056081 | -3.29968 | Up |
| <i>MEG3</i> | 0.630716 | 1.852698 | 3.17335 | 0.003694 | 0.049411 | -3.10445 | Up |
| <i>SCARNA21</i> | 0.630267 | 5.639958 | 2.608808 | 0.014528 | 0.112124 | -4.39467 | Up |
| <i>CNEP1R1</i> | 0.63 | 1.710191 | 3.582481 | 0.001297 | 0.026901 | -2.09713 | Up |
| <i>UPPI</i> | 0.629648 | 2.397186 | 3.979219 | 0.000456 | 0.015232 | -1.07948 | Up |
| <i>KBTBD8</i> | 0.629084 | 1.275095 | 3.813755 | 0.000707 | 0.019368 | -1.50793 | Up |
| <i>LCP2</i> | 0.628399 | 3.729714 | 3.90223 | 0.00056 | 0.016999 | -1.27948 | Up |
| <i>ACO11497.2</i> | 0.627829 | 2.644317 | 3.614131 | 0.001194 | 0.025631 | -2.01724 | Up |
| <i>NDUFS6</i> | 0.626496 | 2.338254 | 4.734664 | 5.98E-05 | 0.005848 | 0.925427 | Up |
| <i>NABP1</i> | 0.626434 | 2.553446 | 2.46025 | 0.020449 | 0.139255 | -4.70981 | Up |
| <i>CP</i> | 0.625662 | 1.893199 | 2.357906 | 0.025743 | 0.16094 | -4.92005 | Up |
| <i>RNASEK</i> | 0.625453 | 3.174879 | 2.626998 | 0.013925 | 0.109181 | -4.35531 | Up |
| <i>MPZL2</i> | 0.625381 | 3.983181 | 3.972815 | 0.000464 | 0.015322 | -1.09616 | Up |
| <i>GPD2</i> | 0.625285 | 3.150457 | 4.253564 | 0.000219 | 0.01048 | -0.359 | Up |
| <i>EIF4B</i> | 0.624355 | 6.514513 | 3.236063 | 0.003154 | 0.044753 | -2.95342 | Up |
| <i>RNF149</i> | 0.622471 | 4.181562 | 4.218151 | 0.000241 | 0.010991 | -0.45261 | Up |
| <i>DUSP3</i> | 0.621932 | 2.859152 | 2.634372 | 0.013686 | 0.107915 | -4.3393 | Up |
| <i>SDCBP</i> | 0.621861 | 5.301924 | 4.258938 | 0.000216 | 0.010457 | -0.34478 | Up |
| <i>UBE2D3</i> | 0.621593 | 4.494479 | 4.452805 | 0.000128 | 0.008209 | 0.170382 | Up |
| <i>RAB5A</i> | 0.620488 | 4.332122 | 3.639611 | 0.001117 | 0.024732 | -1.95275 | Up |

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|-------------------|----------|----------|----------|----------|----------|----------|----|
| <i>AGR3</i> | 0.619694 | 4.403169 | 2.702929 | 0.011648 | 0.0977 | -4.18926 | Up |
| <i>CIR</i> | 0.619446 | 4.94165 | 2.230041 | 0.034103 | 0.191106 | -5.17429 | Up |
| <i>EMILIN2</i> | 0.619101 | 3.114604 | 3.745087 | 0.000848 | 0.021218 | -1.68413 | Up |
| <i>NFKBIA</i> | 0.618498 | 6.096764 | 2.896178 | 0.007328 | 0.074114 | -3.75467 | Up |
| <i>CCL13</i> | 0.617876 | 2.53946 | 2.148019 | 0.040684 | 0.213109 | -5.33221 | Up |
| <i>GCC2</i> | 0.617561 | 3.064435 | 3.32648 | 0.002507 | 0.038989 | -2.73338 | Up |
| <i>SLA</i> | 0.616695 | 4.034095 | 3.227219 | 0.003225 | 0.04541 | -2.9748 | Up |
| <i>RPS26</i> | 0.616639 | 2.801358 | 2.097612 | 0.045271 | 0.227733 | -5.42718 | Up |
| <i>ITGAX</i> | 0.61627 | 3.523937 | 2.246002 | 0.03294 | 0.187493 | -5.14309 | Up |
| <i>ADORA3</i> | 0.616022 | 1.739445 | 2.993925 | 0.00577 | 0.064597 | -3.52875 | Up |
| <i>RPS27L</i> | 0.615994 | 2.385253 | 4.047093 | 0.000381 | 0.013843 | -0.90231 | Up |
| <i>PIK3CG</i> | 0.615601 | 2.605285 | 4.061162 | 0.000367 | 0.013577 | -0.86549 | Up |
| <i>KLHL6</i> | 0.615425 | 2.675753 | 3.069318 | 0.004789 | 0.057785 | -3.35192 | Up |
| <i>STAG2</i> | 0.614592 | 4.170849 | 3.237244 | 0.003145 | 0.044699 | -2.95056 | Up |
| <i>SUMO2P1</i> | 0.61452 | 1.440992 | 4.797959 | 5.04E-05 | 0.005425 | 1.095691 | Up |
| <i>RNF13</i> | 0.614176 | 3.09454 | 4.086112 | 0.000343 | 0.01313 | -0.80011 | Up |
| <i>CLEC5A</i> | 0.612867 | 1.289442 | 3.560437 | 0.001373 | 0.027784 | -2.15263 | Up |
| <i>ADGRE3</i> | 0.612844 | 1.774375 | 2.846685 | 0.008261 | 0.079753 | -3.86754 | Up |
| <i>FCGRIA</i> | 0.612676 | 2.751644 | 2.848086 | 0.008233 | 0.079579 | -3.86436 | Up |
| <i>MTHFD2</i> | 0.612658 | 2.371817 | 3.650524 | 0.001086 | 0.024386 | -1.92507 | Up |
| <i>AC024075.1</i> | 0.612354 | 1.54107 | 2.108756 | 0.044219 | 0.224414 | -5.40632 | Up |
| <i>ARL5B</i> | 0.611739 | 3.011432 | 2.726764 | 0.011009 | 0.094629 | -4.13657 | Up |
| <i>BTK</i> | 0.611373 | 3.311196 | 4.180459 | 0.000267 | 0.01156 | -0.55206 | Up |
| <i>RNU5F.1</i> | 0.610721 | 1.761621 | 3.004442 | 0.005622 | 0.063587 | -3.50422 | Up |
| <i>RAB2A</i> | 0.609941 | 4.335074 | 4.154779 | 0.000286 | 0.012019 | -0.6197 | Up |
| <i>ARL6IP1</i> | 0.608362 | 5.682124 | 4.871306 | 4.13E-05 | 0.005048 | 1.293226 | Up |
| <i>SCAF11</i> | 0.607663 | 3.498704 | 3.529605 | 0.001488 | 0.029264 | -2.23003 | Up |
| <i>MAGT1</i> | 0.606912 | 3.701897 | 5.194106 | 1.72E-05 | 0.003818 | 2.164375 | Up |
| <i>FTLP3</i> | 0.606697 | 3.119483 | 2.276948 | 0.030787 | 0.179378 | -5.08214 | Up |
| <i>SLC7A7</i> | 0.606407 | 3.757487 | 2.716625 | 0.011276 | 0.095847 | -4.15902 | Up |
| <i>TWSG1</i> | 0.605971 | 3.675726 | 3.752609 | 0.000831 | 0.021034 | -1.66488 | Up |
| <i>ACTR3</i> | 0.605896 | 4.419119 | 4.536224 | 0.000102 | 0.007478 | 0.39321 | Up |
| <i>FBXL5</i> | 0.605763 | 4.686337 | 3.516616 | 0.001538 | 0.029886 | -2.26257 | Up |
| <i>TNFSF8</i> | 0.605375 | 2.192986 | 3.751879 | 0.000833 | 0.021057 | -1.66675 | Up |
| <i>STARD4</i> | 0.605335 | 2.518107 | 4.706735 | 6.45E-05 | 0.006036 | 0.850367 | Up |
| <i>PELI1</i> | 0.604184 | 3.793735 | 3.390973 | 0.002126 | 0.035626 | -2.57487 | Up |
| <i>PLCB2</i> | 0.603646 | 2.686122 | 3.817374 | 0.000701 | 0.019303 | -1.49861 | Up |
| <i>DKK2</i> | 0.603632 | 2.039564 | 3.53789 | 0.001456 | 0.028858 | -2.20926 | Up |
| <i>MZB1</i> | 0.603512 | 1.983387 | 2.186026 | 0.037505 | 0.202974 | -5.25956 | Up |
| <i>SLC37A2</i> | 0.602393 | 2.376267 | 2.665767 | 0.012715 | 0.103387 | -4.27087 | Up |
| <i>MS4A2</i> | 0.599977 | 2.818824 | 2.138856 | 0.041485 | 0.215568 | -5.3496 | Up |
| <i>TLR6</i> | 0.599435 | 1.497334 | 4.098127 | 0.000332 | 0.012955 | -0.76859 | Up |
| <i>THBS2</i> | 0.59914 | 2.918762 | 2.097198 | 0.04531 | 0.227871 | -5.42795 | Up |

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|-------------------|----------|----------|----------|----------|----------|----------|------|
| <i>SNHG6</i> | 0.59899 | 3.076467 | 3.404414 | 0.002054 | 0.035038 | -2.54167 | Up |
| <i>DOCK2</i> | 0.597975 | 3.996698 | 3.738277 | 0.000863 | 0.02134 | -1.70155 | Up |
| <i>OSTM1</i> | 0.59618 | 2.804947 | 5.403345 | 9.78E-06 | 0.003064 | 2.729391 | Up |
| <i>LAMP2</i> | 0.596088 | 5.117277 | 3.504328 | 0.001588 | 0.030362 | -2.2933 | Up |
| <i>HSD17B11</i> | 0.595487 | 5.307886 | 4.948359 | 3.35E-05 | 0.00474 | 1.50096 | Up |
| <i>MATR3</i> | 0.595436 | 4.595091 | 3.00219 | 0.005654 | 0.063736 | -3.50948 | Up |
| <i>FBP1</i> | 0.595117 | 6.003398 | 2.401984 | 0.023326 | 0.151063 | -4.83021 | Up |
| <i>TMED7</i> | 0.594625 | 4.47651 | 4.404874 | 0.000146 | 0.008595 | 0.04264 | Up |
| <i>SCD</i> | 0.594045 | 6.406786 | 2.654587 | 0.013053 | 0.105064 | -4.2953 | Up |
| <i>UBE2W</i> | 0.59324 | 2.064652 | 4.353755 | 0.000167 | 0.009293 | -0.09334 | Up |
| <i>F13A1</i> | 0.593227 | 4.87769 | 2.754243 | 0.010312 | 0.091065 | -4.0755 | Up |
| <i>FRZB</i> | 0.592887 | 2.179835 | 2.466052 | 0.020181 | 0.138114 | -4.69772 | Up |
| <i>CD3E</i> | 0.59286 | 2.764701 | 2.578753 | 0.015579 | 0.117052 | -4.45934 | Up |
| <i>SLC30A1</i> | 0.592818 | 3.00239 | 4.996436 | 2.94E-05 | 0.004548 | 1.630664 | Up |
| <i>EEF1B2P6</i> | 0.592248 | 1.224433 | 6.344214 | 7.94E-07 | 0.002284 | 5.249981 | Up |
| <i>NPL</i> | 0.592183 | 2.410715 | 2.277379 | 0.030758 | 0.179282 | -5.08129 | Up |
| <i>ATP6V1B2</i> | 0.590743 | 5.113664 | 4.020802 | 0.000408 | 0.014372 | -0.97103 | Up |
| <i>PRDX4</i> | 0.590674 | 3.960002 | 4.383958 | 0.000154 | 0.008895 | -0.01303 | Up |
| <i>RIPK2</i> | 0.590602 | 2.660785 | 4.349052 | 0.000169 | 0.009333 | -0.10584 | Up |
| <i>SERPINB1</i> | 0.588996 | 5.181179 | 3.666717 | 0.001041 | 0.02381 | -1.88396 | Up |
| <i>COQ10B</i> | 0.588228 | 3.404898 | 4.441414 | 0.000132 | 0.008296 | 0.140003 | Up |
| <i>SAT1</i> | 0.587727 | 6.028277 | 2.674562 | 0.012454 | 0.101869 | -4.25162 | Up |
| <i>CAPZA1</i> | 0.587462 | 5.645131 | 5.216766 | 1.62E-05 | 0.003765 | 2.225578 | Up |
| <i>AC011899.2</i> | 0.587315 | 1.935807 | 3.425682 | 0.001945 | 0.034062 | -2.48904 | Up |
| <i>UBE2B</i> | 0.586776 | 3.583389 | 3.695802 | 0.000965 | 0.022803 | -1.80996 | Up |
| <i>AL590867.2</i> | 0.586445 | 5.417785 | 4.594258 | 8.74E-05 | 0.006801 | 0.548571 | Up |
| <i>BMP2KL</i> | -0.58552 | 1.778989 | -2.8337 | 0.008524 | 0.081187 | -3.89698 | Down |
| <i>PHYHD1</i> | -0.58567 | 1.521768 | -5.8076 | 3.30E-06 | 0.002284 | 3.818113 | Down |
| <i>ACOXL</i> | -0.58574 | 2.506001 | -3.94819 | 0.000496 | 0.01585 | -1.16022 | Down |
| <i>AL365357.1</i> | -0.58575 | 1.124122 | -3.7573 | 0.000821 | 0.020929 | -1.65287 | Down |
| <i>AC011595.1</i> | -0.58589 | 1.513614 | -3.39241 | 0.002119 | 0.035602 | -2.57132 | Down |
| <i>RN7SL15P</i> | -0.58646 | 0.922805 | -3.17931 | 0.003639 | 0.048996 | -3.09015 | Down |
| <i>AC107959.1</i> | -0.58675 | 2.264454 | -4.37366 | 0.000159 | 0.009047 | -0.04041 | Down |
| <i>EPOR</i> | -0.58694 | 1.483481 | -4.81472 | 4.81E-05 | 0.005348 | 1.140808 | Down |
| <i>ZNF219</i> | -0.58738 | 2.695454 | -3.85981 | 0.000626 | 0.018021 | -1.3892 | Down |
| <i>EVA1B</i> | -0.58778 | 1.064922 | -3.28355 | 0.002797 | 0.041684 | -2.83818 | Down |
| <i>AC004263.2</i> | -0.58908 | 1.5438 | -3.79663 | 0.00074 | 0.019761 | -1.55195 | Down |
| <i>ARL4AP1</i> | -0.58913 | 1.838127 | -2.82775 | 0.008647 | 0.081869 | -3.91045 | Down |
| <i>MIR3175</i> | -0.58925 | 1.548269 | -2.63602 | 0.013634 | 0.107692 | -4.33573 | Down |
| <i>AL390719.2</i> | -0.58973 | 0.870467 | -3.54601 | 0.001426 | 0.028512 | -2.18889 | Down |
| <i>ZNF524</i> | -0.59008 | 2.019137 | -4.42269 | 0.000139 | 0.008453 | 0.090097 | Down |
| <i>LPIN3</i> | -0.59027 | 1.498689 | -4.77593 | 5.35E-05 | 0.005557 | 1.036416 | Down |
| <i>FRMD8</i> | -0.59031 | 2.153057 | -2.27524 | 0.030902 | 0.179889 | -5.08552 | Down |

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|----------------------|----------|----------|----------|----------|----------|----------|------|
| <i>TCEA2</i> | -0.59056 | 1.91481 | -4.01614 | 0.000414 | 0.014465 | -0.98319 | Down |
| <i>ILF2P1</i> | -0.59087 | 1.421907 | -4.42034 | 0.00014 | 0.008473 | 0.083822 | Down |
| <i>AC126755.2</i> | -0.59094 | 2.753988 | -5.27305 | 1.39E-05 | 0.003491 | 2.377577 | Down |
| <i>HSPA12B</i> | -0.59101 | 2.869468 | -2.87679 | 0.007681 | 0.076264 | -3.79901 | Down |
| <i>AC025518.1</i> | -0.59122 | 1.639159 | -2.96731 | 0.00616 | 0.067082 | -3.59065 | Down |
| <i>AL023807.1</i> | -0.5916 | 1.974221 | -3.66366 | 0.001049 | 0.023923 | -1.89174 | Down |
| <i>NEIL1</i> | -0.59171 | 2.033038 | -4.49382 | 0.000115 | 0.007773 | 0.279862 | Down |
| <i>RNF138P1</i> | -0.59206 | 2.14066 | -2.91792 | 0.00695 | 0.071787 | -3.70476 | Down |
| <i>MIR7152</i> | -0.59233 | 0.885291 | -3.03906 | 0.005162 | 0.060367 | -3.42316 | Down |
| <i>DUSP8P5</i> | -0.59275 | 1.437668 | -5.36112 | 1.10E-05 | 0.003164 | 2.615406 | Down |
| <i>PTOVI</i> | -0.59297 | 2.769025 | -4.68964 | 6.75E-05 | 0.006188 | 0.804444 | Down |
| <i>NRBP2</i> | -0.59322 | 1.651828 | -3.94815 | 0.000496 | 0.01585 | -1.16032 | Down |
| <i>BAIAP3</i> | -0.59359 | 0.949017 | -4.34505 | 0.000171 | 0.009389 | -0.11646 | Down |
| <i>NUBP2</i> | -0.59366 | 1.476227 | -2.84749 | 0.008245 | 0.079625 | -3.8657 | Down |
| <i>ACAP3</i> | -0.59375 | 1.81424 | -4.60582 | 8.47E-05 | 0.006722 | 0.579553 | Down |
| <i>EGFEM1P</i> | -0.59382 | 0.70084 | -4.93077 | 3.51E-05 | 0.004764 | 1.453532 | Down |
| <i>SNORD94</i> | -0.59442 | 2.02895 | -3.60716 | 0.001216 | 0.025885 | -2.03486 | Down |
| <i>MIR4673</i> | -0.59451 | 1.29328 | -3.49407 | 0.001631 | 0.030829 | -2.31893 | Down |
| <i>NUTM2D</i> | -0.59469 | 1.517069 | -5.27424 | 1.39E-05 | 0.003491 | 2.380803 | Down |
| <i>AL645939.2</i> | -0.59529 | 1.345251 | -3.9915 | 0.000442 | 0.015045 | -1.04748 | Down |
| <i>PKN3</i> | -0.59542 | 2.044142 | -4.66429 | 7.23E-05 | 0.006379 | 0.736393 | Down |
| <i>SPRY4</i> | -0.59582 | 2.065434 | -3.34736 | 0.002377 | 0.037945 | -2.68221 | Down |
| <i>MIR6071</i> | -0.59612 | 1.526275 | -2.69988 | 0.011732 | 0.098166 | -4.19597 | Down |
| <i>RHPN1</i> | -0.59639 | 1.014652 | -4.83626 | 4.54E-05 | 0.005223 | 1.198826 | Down |
| <i>AC138028.4</i> | -0.59668 | 2.062823 | -4.46395 | 0.000124 | 0.008053 | 0.200119 | Down |
| <i>AMIGO3</i> | -0.59715 | 1.367873 | -4.79579 | 5.07E-05 | 0.005434 | 1.089862 | Down |
| <i>BCL2L2.PABPN1</i> | -0.59898 | 0.937429 | -2.89744 | 0.007305 | 0.073965 | -3.75178 | Down |
| <i>MFSD10</i> | -0.59903 | 1.941175 | -4.08365 | 0.000345 | 0.013166 | -0.80657 | Down |
| <i>RNA5SP160</i> | -0.59915 | 1.730601 | -3.16695 | 0.003753 | 0.049932 | -3.11977 | Down |
| <i>AC108010.1</i> | -0.59915 | 4.370743 | -5.03956 | 2.62E-05 | 0.004463 | 1.74706 | Down |
| <i>PLEKHM1P1</i> | -0.60029 | 2.88825 | -4.10769 | 0.000324 | 0.012828 | -0.74348 | Down |
| <i>EIF4E2P1</i> | -0.60035 | 1.373923 | -3.84744 | 0.000647 | 0.018381 | -1.42112 | Down |
| <i>ZBTB12</i> | -0.60067 | 1.76779 | -4.64924 | 7.53E-05 | 0.006473 | 0.696005 | Down |
| <i>AL136982.4</i> | -0.6009 | 1.861134 | -2.45589 | 0.020652 | 0.140148 | -4.71888 | Down |
| <i>IL34</i> | -0.60094 | 2.030886 | -2.72609 | 0.011026 | 0.094717 | -4.13806 | Down |
| <i>OR5P3</i> | -0.60121 | 1.261512 | -4.09148 | 0.000338 | 0.013088 | -0.78602 | Down |
| <i>KRT18P31</i> | -0.60127 | 2.241458 | -4.35344 | 0.000167 | 0.009293 | -0.09417 | Down |
| <i>AC027288.1</i> | -0.60163 | 2.252179 | -3.33283 | 0.002467 | 0.038662 | -2.71783 | Down |
| <i>NOTCH3</i> | -0.60241 | 4.251488 | -3.22253 | 0.003264 | 0.045779 | -2.98613 | Down |
| <i>EFCC1</i> | -0.60244 | 2.692748 | -5.02317 | 2.74E-05 | 0.004548 | 1.702805 | Down |
| <i>AC138866.1</i> | -0.60255 | 4.225752 | -3.15187 | 0.003898 | 0.051075 | -3.15587 | Down |
| <i>CAVIN3</i> | -0.60356 | 3.34004 | -3.3066 | 0.002637 | 0.040248 | -2.78199 | Down |
| <i>USHBP1</i> | -0.6042 | 1.348246 | -3.95931 | 0.000481 | 0.015554 | -1.1313 | Down |

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|-----------------------|----------|----------|----------|----------|----------|----------|------|
| <i>AP000580.1</i> | -0.60512 | 1.934423 | -3.63593 | 0.001128 | 0.024886 | -1.96208 | Down |
| <i>CDH24</i> | -0.6065 | 1.090905 | -4.5221 | 0.000106 | 0.007592 | 0.355443 | Down |
| <i>AP006621.4</i> | -0.60682 | 0.716894 | -4.19026 | 0.00026 | 0.011402 | -0.52621 | Down |
| <i>PAK4</i> | -0.60713 | 2.481231 | -3.79304 | 0.000747 | 0.019884 | -1.56118 | Down |
| <i>AC009090.4</i> | -0.60715 | 1.211329 | -5.09762 | 2.24E-05 | 0.004279 | 1.903815 | Down |
| <i>NOXA1</i> | -0.60725 | 1.388266 | -4.33637 | 0.000175 | 0.009482 | -0.13953 | Down |
| <i>AL592301.1</i> | -0.60782 | 1.745248 | -3.78792 | 0.000757 | 0.019995 | -1.57433 | Down |
| <i>AC131392.1</i> | -0.6085 | 3.089255 | -3.38479 | 0.00216 | 0.036032 | -2.59011 | Down |
| <i>GLIS2</i> | -0.60952 | 2.861663 | -4.15072 | 0.000289 | 0.012055 | -0.63038 | Down |
| <i>PLXNB3</i> | -0.60957 | 0.738067 | -4.97822 | 3.09E-05 | 0.004651 | 1.581514 | Down |
| <i>MIR647</i> | -0.61038 | 1.5486 | -3.77526 | 0.000783 | 0.020348 | -1.60683 | Down |
| <i>SFTPB</i> | -0.61043 | 9.080746 | -2.47488 | 0.01978 | 0.136424 | -4.6793 | Down |
| <i>MIR4265</i> | -0.61088 | 1.197572 | -3.29898 | 0.002689 | 0.040696 | -2.80059 | Down |
| <i>RPPH1</i> | -0.61139 | 12.44925 | -2.13265 | 0.042036 | 0.21751 | -5.36134 | Down |
| <i>AC018665.1</i> | -0.61173 | 2.303833 | -5.78783 | 3.48E-06 | 0.002284 | 3.765005 | Down |
| <i>AL121672.1</i> | -0.61295 | 1.876035 | -3.70482 | 0.000942 | 0.022563 | -1.78699 | Down |
| <i>AL353662.3</i> | -0.61341 | 1.464434 | -3.8115 | 0.000712 | 0.019406 | -1.51373 | Down |
| <i>MIR941.3</i> | -0.61379 | 1.094028 | -3.72048 | 0.000904 | 0.021971 | -1.74701 | Down |
| <i>NPEPL1</i> | -0.61422 | 2.713403 | -3.54041 | 0.001447 | 0.02872 | -2.20294 | Down |
| <i>BAIAP2</i> | -0.61493 | 2.02756 | -4.27551 | 0.000207 | 0.010235 | -0.30092 | Down |
| <i>SLC9A3R2</i> | -0.61513 | 4.593658 | -3.05288 | 0.004988 | 0.05909 | -3.39065 | Down |
| <i>AL441963.1</i> | -0.61523 | 1.216967 | -4.61616 | 8.24E-05 | 0.006661 | 0.607259 | Down |
| <i>AL133499.1</i> | -0.61524 | 1.256337 | -4.29138 | 0.000198 | 0.010019 | -0.25886 | Down |
| <i>MLPH</i> | -0.61537 | 3.494307 | -2.41751 | 0.022525 | 0.147779 | -4.79831 | Down |
| <i>EPS8L2</i> | -0.61566 | 2.657671 | -3.26423 | 0.002937 | 0.042919 | -2.88517 | Down |
| <i>MIR3183</i> | -0.6172 | 1.249547 | -3.64195 | 0.001111 | 0.024701 | -1.94683 | Down |
| <i>CROCC</i> | -0.6178 | 1.720331 | -5.37382 | 1.06E-05 | 0.003115 | 2.649703 | Down |
| <i>AC131212.3</i> | -0.6192 | 1.611796 | -5.84778 | 2.96E-06 | 0.002284 | 3.925942 | Down |
| <i>KIFC3</i> | -0.61959 | 2.912309 | -4.47444 | 0.000121 | 0.00796 | 0.228122 | Down |
| <i>AC011462.4</i> | -0.61983 | 0.914181 | -5.58515 | 5.99E-06 | 0.002809 | 3.219712 | Down |
| <i>FAAPI00</i> | -0.62034 | 1.866458 | -4.85833 | 4.28E-05 | 0.005136 | 1.258263 | Down |
| <i>TAF1C</i> | -0.62056 | 1.870702 | -4.73752 | 5.93E-05 | 0.005823 | 0.933099 | Down |
| <i>RTEL1.TNFRSF6B</i> | -0.62108 | 1.263323 | -5.04339 | 2.59E-05 | 0.00443 | 1.757381 | Down |
| <i>KRT17P8</i> | -0.62132 | 1.219603 | -3.84586 | 0.00065 | 0.01842 | -1.4252 | Down |
| <i>ZNF358</i> | -0.62248 | 2.530028 | -3.29432 | 0.002721 | 0.040982 | -2.81196 | Down |
| <i>COLCA1</i> | -0.62325 | 1.521714 | -4.11719 | 0.000316 | 0.012652 | -0.71856 | Down |
| <i>MIR6736</i> | -0.62347 | 0.904731 | -3.79083 | 0.000751 | 0.019898 | -1.56686 | Down |
| <i>TMEM175</i> | -0.6236 | 1.810839 | -3.28194 | 0.002808 | 0.041799 | -2.84209 | Down |
| <i>AC133540.1</i> | -0.62376 | 1.061683 | -4.63584 | 7.81E-05 | 0.00655 | 0.660043 | Down |
| <i>AC097639.2</i> | -0.6243 | 1.669504 | -2.85932 | 0.008013 | 0.078412 | -3.83882 | Down |
| <i>DPP6</i> | -0.62444 | 1.131441 | -2.80768 | 0.009075 | 0.084332 | -3.95575 | Down |
| <i>FHOD1</i> | -0.62515 | 2.95895 | -5.43828 | 8.90E-06 | 0.003042 | 2.823686 | Down |
| <i>TSC2</i> | -0.62584 | 1.427439 | -5.88092 | 2.71E-06 | 0.002284 | 4.014817 | Down |

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|-------------------|----------|----------|----------|----------|----------|----------|------|
| <i>DACT2</i> | -0.62708 | 0.955718 | -4.01642 | 0.000413 | 0.014463 | -0.98246 | Down |
| <i>KRT8P33</i> | -0.62721 | 1.698501 | -4.69137 | 6.72E-05 | 0.00618 | 0.809097 | Down |
| <i>TNFRSF4</i> | -0.62735 | 0.918217 | -4.09231 | 0.000338 | 0.01308 | -0.78385 | Down |
| <i>AGER</i> | -0.62739 | 6.874475 | -3.41729 | 0.001988 | 0.034425 | -2.50983 | Down |
| <i>AL161787.1</i> | -0.62743 | 2.459424 | -2.89172 | 0.007408 | 0.074481 | -3.76487 | Down |
| <i>AC005056.1</i> | -0.62752 | 1.988383 | -2.96892 | 0.006135 | 0.066973 | -3.58691 | Down |
| <i>AC027288.2</i> | -0.62755 | 1.705818 | -3.69297 | 0.000972 | 0.02289 | -1.81718 | Down |
| <i>MAPK15</i> | -0.62782 | 1.527034 | -2.46624 | 0.020172 | 0.138071 | -4.69732 | Down |
| <i>TIE1</i> | -0.62806 | 4.395193 | -3.9184 | 0.000536 | 0.016575 | -1.23755 | Down |
| <i>AL390840.1</i> | -0.62918 | 1.506967 | -3.09952 | 0.004442 | 0.055442 | -3.28048 | Down |
| <i>RAD9A</i> | -0.63054 | 1.535763 | -6.05309 | 1.71E-06 | 0.002284 | 4.475548 | Down |
| <i>AC007787.2</i> | -0.6313 | 1.577335 | -3.50352 | 0.001592 | 0.030381 | -2.29533 | Down |
| <i>IRF3</i> | -0.63254 | 2.882171 | -2.97296 | 0.006075 | 0.066609 | -3.57753 | Down |
| <i>C10orf113</i> | -0.63262 | 1.78997 | -3.17587 | 0.00367 | 0.049233 | -3.0984 | Down |
| <i>AC011755.1</i> | -0.63304 | 1.981546 | -3.1733 | 0.003694 | 0.049411 | -3.10456 | Down |
| <i>AMDHD2</i> | -0.63432 | 1.2589 | -4.70277 | 6.52E-05 | 0.006087 | 0.83971 | Down |
| <i>PKDCC</i> | -0.63446 | 2.608254 | -3.51469 | 0.001546 | 0.029962 | -2.26739 | Down |
| <i>NBEAL2</i> | -0.63466 | 3.061238 | -4.32172 | 0.000182 | 0.00964 | -0.17842 | Down |
| <i>DNAJB1P1</i> | -0.63593 | 0.854041 | -5.47202 | 8.13E-06 | 0.00301 | 2.914699 | Down |
| <i>AC138409.1</i> | -0.63599 | 1.857544 | -3.42352 | 0.001956 | 0.034132 | -2.49439 | Down |
| <i>STAG3L1</i> | -0.63676 | 2.76294 | -2.60515 | 0.014653 | 0.112698 | -4.40256 | Down |
| <i>MAPK8IP3</i> | -0.63688 | 2.12311 | -5.55808 | 6.45E-06 | 0.002809 | 3.146772 | Down |
| <i>ITGA7</i> | -0.63795 | 1.767816 | -2.98264 | 0.005932 | 0.065656 | -3.55502 | Down |
| <i>MIR5587</i> | -0.63861 | 1.589624 | -3.54055 | 0.001446 | 0.02872 | -2.20259 | Down |
| <i>SIGIRR</i> | -0.63906 | 1.376695 | -3.9618 | 0.000478 | 0.015502 | -1.12483 | Down |
| <i>KLF3.AS1</i> | -0.63938 | 0.836906 | -6.22374 | 1.09E-06 | 0.002284 | 4.93027 | Down |
| <i>ENPP7P12</i> | -0.64041 | 2.544261 | -3.27716 | 0.002842 | 0.042099 | -2.85374 | Down |
| <i>AHDC1</i> | -0.64153 | 1.746021 | -3.56599 | 0.001354 | 0.027633 | -2.13866 | Down |
| <i>LMNTD2</i> | -0.64294 | 1.065062 | -4.42802 | 0.000137 | 0.008419 | 0.104288 | Down |
| <i>ZEB1.AS1</i> | -0.64299 | 1.021113 | -4.65139 | 7.49E-05 | 0.006466 | 0.701773 | Down |
| <i>COL4A2</i> | -0.64389 | 5.742868 | -3.3648 | 0.002274 | 0.037104 | -2.63935 | Down |
| <i>AL589863.1</i> | -0.6455 | 1.73669 | -3.6298 | 0.001146 | 0.025007 | -1.97761 | Down |
| <i>HERC2P9</i> | -0.64566 | 2.803771 | -5.22686 | 1.58E-05 | 0.003738 | 2.252843 | Down |
| <i>CCL24</i> | -0.64569 | 1.252891 | -2.90633 | 0.007149 | 0.073119 | -3.73138 | Down |
| <i>MEGF6</i> | -0.64653 | 3.064774 | -4.89736 | 3.85E-05 | 0.004913 | 1.363455 | Down |
| <i>ID3</i> | -0.64712 | 5.094058 | -3.4235 | 0.001956 | 0.034132 | -2.49446 | Down |
| <i>AL121672.3</i> | -0.64776 | 1.166074 | -3.90954 | 0.000549 | 0.01679 | -1.26054 | Down |
| <i>AC073476.1</i> | -0.64791 | 1.266943 | -4.1067 | 0.000325 | 0.012828 | -0.7461 | Down |
| <i>ITLN2</i> | -0.64917 | 3.520492 | -3.29062 | 0.002747 | 0.041237 | -2.82096 | Down |
| <i>CCNL2</i> | -0.64928 | 2.953163 | -3.84554 | 0.00065 | 0.018423 | -1.42604 | Down |
| <i>AC006159.1</i> | -0.65019 | 2.764219 | -4.08164 | 0.000347 | 0.013196 | -0.81185 | Down |
| <i>OR5E1P</i> | -0.65118 | 1.558677 | -3.88014 | 0.000594 | 0.017478 | -1.33666 | Down |
| <i>NLRC5</i> | -0.6519 | 2.688027 | -4.79853 | 5.03E-05 | 0.005425 | 1.097223 | Down |

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|-------------------|----------|----------|----------|----------|----------|----------|------|
| <i>FO538757.1</i> | -0.65245 | 2.537289 | -5.86192 | 2.85E-06 | 0.002284 | 3.963868 | Down |
| <i>SLC25A29</i> | -0.65266 | 2.709375 | -5.04579 | 2.57E-05 | 0.00443 | 1.763858 | Down |
| <i>RFNG</i> | -0.65309 | 1.605777 | -4.66888 | 7.14E-05 | 0.00632 | 0.748701 | Down |
| <i>DVL1</i> | -0.65316 | 2.531363 | -4.08594 | 0.000343 | 0.01313 | -0.80056 | Down |
| <i>AC138028.2</i> | -0.65351 | 1.228247 | -6.28612 | 9.25E-07 | 0.002284 | 5.095951 | Down |
| <i>SPPL2B</i> | -0.65389 | 1.778973 | -5.5909 | 5.90E-06 | 0.002809 | 3.235217 | Down |
| <i>CYB561D2</i> | -0.65411 | 1.327465 | -6.24398 | 1.03E-06 | 0.002284 | 4.98407 | Down |
| <i>ASMTL.AS1</i> | -0.65539 | 1.885146 | -4.42205 | 0.000139 | 0.008458 | 0.088401 | Down |
| <i>TELO2</i> | -0.65613 | 2.103597 | -4.47491 | 0.000121 | 0.007959 | 0.22938 | Down |
| <i>RRP7BP</i> | -0.65655 | 2.053935 | -3.47071 | 0.001732 | 0.031874 | -2.3772 | Down |
| <i>AF064858.2</i> | -0.65678 | 1.134068 | -3.27799 | 0.002836 | 0.042047 | -2.85172 | Down |
| <i>MIR3619</i> | -0.65751 | 2.55242 | -3.00067 | 0.005675 | 0.063899 | -3.51303 | Down |
| <i>NUP35P1</i> | -0.65775 | 1.381 | -3.38677 | 0.002149 | 0.035906 | -2.58523 | Down |
| <i>RNU6.1045P</i> | -0.65831 | 2.170117 | -4.39082 | 0.000151 | 0.008804 | 0.005221 | Down |
| <i>AL160276.1</i> | -0.65984 | 1.732162 | -4.62532 | 8.04E-05 | 0.006585 | 0.631822 | Down |
| <i>RAPGEF3</i> | -0.66063 | 2.157303 | -3.81409 | 0.000707 | 0.019367 | -1.50707 | Down |
| <i>AL391822.1</i> | -0.66152 | 1.636074 | -3.30881 | 0.002623 | 0.04012 | -2.77658 | Down |
| <i>HDAC7</i> | -0.6617 | 3.299634 | -5.91372 | 2.49E-06 | 0.002284 | 4.10274 | Down |
| <i>MIR920</i> | -0.66185 | 1.275631 | -4.93002 | 3.52E-05 | 0.004764 | 1.451487 | Down |
| <i>QRICH2</i> | -0.66233 | 1.090774 | -6.82185 | 2.29E-07 | 0.002284 | 6.504987 | Down |
| <i>MTMR9LP</i> | -0.66235 | 2.121104 | -4.60949 | 8.39E-05 | 0.006708 | 0.589389 | Down |
| <i>RALB</i> | -0.66283 | 3.879947 | -2.17799 | 0.038157 | 0.205155 | -5.27499 | Down |
| <i>PGAP3</i> | -0.66324 | 2.404117 | -3.56488 | 0.001357 | 0.027642 | -2.14145 | Down |
| <i>AC023509.3</i> | -0.66375 | 1.777191 | -5.74582 | 3.89E-06 | 0.002415 | 3.652127 | Down |
| <i>RPS12P5</i> | -0.6649 | 1.597505 | -2.88582 | 0.007514 | 0.075167 | -3.77838 | Down |
| <i>GCOM1</i> | -0.66534 | 0.964278 | -3.99849 | 0.000434 | 0.014881 | -1.02925 | Down |
| <i>GDPD3</i> | -0.66544 | 1.455066 | -5.80976 | 3.28E-06 | 0.002284 | 3.823918 | Down |
| <i>MIR603</i> | -0.66633 | 1.379506 | -4.01725 | 0.000412 | 0.014449 | -0.98031 | Down |
| <i>HMCN2</i> | -0.6667 | 1.490345 | -3.17696 | 0.00366 | 0.049183 | -3.09578 | Down |
| <i>GUSBP1</i> | -0.66676 | 3.213662 | -2.89414 | 0.007364 | 0.074257 | -3.75932 | Down |
| <i>DDAH1</i> | -0.66702 | 2.596843 | -2.75639 | 0.010259 | 0.090738 | -4.07071 | Down |
| <i>AP003555.3</i> | -0.66789 | 1.206414 | -3.33834 | 0.002433 | 0.038415 | -2.70433 | Down |
| <i>MIR3139</i> | -0.6684 | 1.81257 | -3.18009 | 0.003632 | 0.048944 | -3.08827 | Down |
| <i>ERVK13.1</i> | -0.66968 | 1.172673 | -2.88549 | 0.00752 | 0.075214 | -3.77912 | Down |
| <i>PLEKHG1</i> | -0.67047 | 1.949841 | -3.4432 | 0.001859 | 0.033205 | -2.44559 | Down |
| <i>ARVCF</i> | -0.67107 | 2.087927 | -5.03778 | 2.63E-05 | 0.004471 | 1.742239 | Down |
| <i>ARHGEF2</i> | -0.67132 | 3.933246 | -3.89554 | 0.00057 | 0.017127 | -1.29679 | Down |
| <i>AP003392.1</i> | -0.67136 | 2.282318 | -4.5172 | 0.000108 | 0.007645 | 0.342342 | Down |
| <i>VIPR1.AS1</i> | -0.6718 | 2.365097 | -2.09085 | 0.04592 | 0.22979 | -5.43979 | Down |
| <i>PALD1</i> | -0.67194 | 3.331817 | -5.05978 | 2.48E-05 | 0.00437 | 1.80164 | Down |
| <i>MAG11.AS1</i> | -0.67243 | 1.486306 | -4.13133 | 0.000304 | 0.012429 | -0.68138 | Down |
| <i>LAMA3</i> | -0.67615 | 4.040915 | -4.30974 | 0.000188 | 0.009813 | -0.21018 | Down |
| <i>ARHGAP33</i> | -0.67636 | 0.893022 | -5.34092 | 1.16E-05 | 0.003249 | 2.560859 | Down |

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|-------------------|----------|----------|----------|----------|----------|----------|------|
| <i>RPL17P17</i> | -0.67674 | 1.563399 | -3.87224 | 0.000606 | 0.01768 | -1.35708 | Down |
| <i>AC103810.3</i> | -0.67849 | 1.411638 | -3.40278 | 0.002063 | 0.035124 | -2.5457 | Down |
| <i>TMEM160</i> | -0.67863 | 1.926106 | -3.51046 | 0.001563 | 0.030135 | -2.27796 | Down |
| <i>LINC02256</i> | -0.67868 | 1.200741 | -5.495 | 7.64E-06 | 0.002934 | 2.976692 | Down |
| <i>PIEZO1</i> | -0.67876 | 4.05669 | -4.72847 | 6.08E-05 | 0.005918 | 0.908772 | Down |
| <i>MS4A15</i> | -0.67896 | 2.727104 | -3.32245 | 0.002533 | 0.039233 | -2.74324 | Down |
| <i>TNFRSF25</i> | -0.67958 | 0.984612 | -4.72499 | 6.14E-05 | 0.005939 | 0.899418 | Down |
| <i>RPS10P14</i> | -0.68072 | 1.193176 | -4.94556 | 3.38E-05 | 0.00474 | 1.493406 | Down |
| <i>DANCR</i> | -0.68077 | 1.925925 | -2.83633 | 0.00847 | 0.080967 | -3.89101 | Down |
| <i>SLC5A4</i> | -0.68124 | 1.984458 | -3.65377 | 0.001077 | 0.024314 | -1.91684 | Down |
| <i>MYO7B</i> | -0.68174 | 1.265705 | -4.24019 | 0.000227 | 0.010652 | -0.39438 | Down |
| <i>SYDE1</i> | -0.68248 | 1.64247 | -3.32851 | 0.002494 | 0.038898 | -2.72841 | Down |
| <i>MIR339</i> | -0.68337 | 0.592832 | -6.05458 | 1.71E-06 | 0.002284 | 4.47953 | Down |
| <i>KIAA0895L</i> | -0.68422 | 1.502981 | -5.50531 | 7.43E-06 | 0.002899 | 3.004501 | Down |
| <i>RPS26P21</i> | -0.68506 | 2.779036 | -3.98044 | 0.000455 | 0.015215 | -1.07629 | Down |
| <i>FZRI</i> | -0.68535 | 2.149794 | -4.28604 | 0.000201 | 0.010075 | -0.27301 | Down |
| <i>SDHAP3</i> | -0.68612 | 1.914846 | -4.79388 | 5.09E-05 | 0.005434 | 1.08471 | Down |
| <i>RARG</i> | -0.68619 | 2.480359 | -4.94646 | 3.37E-05 | 0.00474 | 1.495831 | Down |
| <i>WASH7P</i> | -0.68705 | 2.60547 | -5.87052 | 2.79E-06 | 0.002284 | 3.986951 | Down |
| <i>LINC00472</i> | -0.68728 | 1.317857 | -3.47796 | 0.0017 | 0.031527 | -2.35913 | Down |
| <i>N4BP3</i> | -0.68735 | 1.853217 | -3.0943 | 0.004501 | 0.055884 | -3.29286 | Down |
| <i>HOXD9</i> | -0.68791 | 0.6651 | -2.60792 | 0.014559 | 0.112235 | -4.3966 | Down |
| <i>AC104451.1</i> | -0.68827 | 1.089356 | -4.32864 | 0.000179 | 0.009562 | -0.16005 | Down |
| <i>PKD1P6</i> | -0.68844 | 2.518986 | -4.40225 | 0.000147 | 0.008634 | 0.03565 | Down |
| <i>ETV5.AS1</i> | -0.68845 | 2.039279 | -2.89029 | 0.007433 | 0.07466 | -3.76814 | Down |
| <i>PLXNB1</i> | -0.68862 | 2.316332 | -5.27042 | 1.40E-05 | 0.003499 | 2.370478 | Down |
| <i>MIR606</i> | -0.68881 | 1.429916 | -3.28676 | 0.002774 | 0.041478 | -2.83037 | Down |
| <i>MAP3K6</i> | -0.69006 | 2.100104 | -3.43897 | 0.00188 | 0.033474 | -2.4561 | Down |
| <i>LLGL2</i> | -0.69044 | 2.25589 | -5.2092 | 1.65E-05 | 0.003795 | 2.205134 | Down |
| <i>LAGE3P1</i> | -0.69183 | 1.124684 | -5.06335 | 2.45E-05 | 0.004359 | 1.81127 | Down |
| <i>BTBD6</i> | -0.69203 | 2.69897 | -3.56471 | 0.001358 | 0.027642 | -2.14189 | Down |
| <i>GPRIN2</i> | -0.69596 | 3.062155 | -3.63951 | 0.001118 | 0.024732 | -1.953 | Down |
| <i>AL022323.2</i> | -0.69639 | 1.527055 | -5.16341 | 1.87E-05 | 0.003935 | 2.08148 | Down |
| <i>WWTR1.IT1</i> | -0.69644 | 1.441488 | -3.7292 | 0.000884 | 0.021605 | -1.72475 | Down |
| <i>AC009133.1</i> | -0.69657 | 3.023674 | -3.17845 | 0.003647 | 0.049078 | -3.09221 | Down |
| <i>PGGHG</i> | -0.69703 | 2.028023 | -4.46603 | 0.000124 | 0.008031 | 0.205656 | Down |
| <i>AC003957.1</i> | -0.69745 | 1.702394 | -4.44148 | 0.000132 | 0.008296 | 0.140179 | Down |
| <i>MIR657</i> | -0.69957 | 1.574307 | -3.96371 | 0.000476 | 0.015488 | -1.11986 | Down |
| <i>SHC2</i> | -0.69999 | 2.13918 | -4.23323 | 0.000231 | 0.010797 | -0.41277 | Down |
| <i>AC106869.1</i> | -0.70044 | 1.148834 | -4.80224 | 4.98E-05 | 0.005425 | 1.107211 | Down |
| <i>AC022022.1</i> | -0.70102 | 1.206349 | -4.2612 | 0.000215 | 0.010437 | -0.33881 | Down |
| <i>MIR4722</i> | -0.70161 | 1.741952 | -4.2096 | 0.000247 | 0.01109 | -0.47518 | Down |
| <i>TEKT4P2</i> | -0.70174 | 2.029499 | -4.28944 | 0.000199 | 0.010028 | -0.26402 | Down |

| | | | | | | | |
|--------------------|----------|----------|----------|----------|----------|----------|------|
| <i>PLAC9</i> | -0.70285 | 3.484445 | -3.83866 | 0.000662 | 0.018611 | -1.44378 | Down |
| <i>MIR6827</i> | -0.70387 | 1.392297 | -4.46948 | 0.000122 | 0.007984 | 0.214862 | Down |
| <i>RNU4.47P</i> | -0.70433 | 2.383692 | -3.45218 | 0.001817 | 0.032711 | -2.42329 | Down |
| <i>RSU1P3</i> | -0.70507 | 1.828429 | -3.20504 | 0.003411 | 0.047036 | -3.0283 | Down |
| <i>MIR4524B</i> | -0.70593 | 1.683983 | -3.57035 | 0.001338 | 0.027427 | -2.12769 | Down |
| <i>AC027277.2</i> | -0.70624 | 2.88844 | -4.2849 | 0.000201 | 0.010088 | -0.27604 | Down |
| <i>AC138028.1</i> | -0.70627 | 1.307181 | -5.66779 | 4.80E-06 | 0.002656 | 3.442256 | Down |
| <i>RPL3P6</i> | -0.708 | 1.848892 | -4.40582 | 0.000145 | 0.00859 | 0.045165 | Down |
| <i>AC104984.1</i> | -0.7091 | 1.472809 | -2.26499 | 0.031603 | 0.182703 | -5.10577 | Down |
| <i>AL136164.3</i> | -0.71048 | 2.862659 | -3.16406 | 0.003781 | 0.050115 | -3.1267 | Down |
| <i>CCDC130</i> | -0.7107 | 1.946676 | -4.60721 | 8.44E-05 | 0.006722 | 0.583269 | Down |
| <i>STARD9</i> | -0.71098 | 3.137293 | -5.97889 | 2.09E-06 | 0.002284 | 4.277211 | Down |
| <i>MIR4730</i> | -0.71123 | 1.264244 | -4.12623 | 0.000308 | 0.01251 | -0.69478 | Down |
| <i>KHDRBS2</i> | -0.7122 | 2.347209 | -4.60482 | 8.50E-05 | 0.006722 | 0.576869 | Down |
| <i>FSCN1</i> | -0.71225 | 3.496151 | -4.00877 | 0.000422 | 0.014651 | -1.00244 | Down |
| <i>AC010998.1</i> | -0.71298 | 2.185409 | -2.64104 | 0.013474 | 0.107141 | -4.32481 | Down |
| <i>AC110285.2</i> | -0.71601 | 1.55696 | -3.95076 | 0.000492 | 0.015787 | -1.15352 | Down |
| <i>FLT4</i> | -0.71636 | 3.087694 | -5.62414 | 5.40E-06 | 0.00277 | 3.32474 | Down |
| <i>SMYD3.IT1</i> | -0.71701 | 1.118919 | -4.21786 | 0.000241 | 0.010991 | -0.45338 | Down |
| <i>EDNRB</i> | -0.7172 | 1.529956 | -2.14372 | 0.041058 | 0.214428 | -5.34038 | Down |
| <i>RAB11FIP1P1</i> | -0.71783 | 2.810528 | -4.21944 | 0.00024 | 0.010985 | -0.44921 | Down |
| <i>AC036164.1</i> | -0.71792 | 1.704689 | -3.85753 | 0.00063 | 0.01809 | -1.39508 | Down |
| <i>GRAPL</i> | -0.72115 | 1.50608 | -4.19014 | 0.00026 | 0.011402 | -0.52653 | Down |
| <i>FAM69B</i> | -0.72203 | 2.261687 | -4.63723 | 7.78E-05 | 0.00655 | 0.663779 | Down |
| <i>RN7SL2</i> | -0.72295 | 14.42807 | -2.09377 | 0.045638 | 0.228856 | -5.43434 | Down |
| <i>AC138866.2</i> | -0.72366 | 4.666655 | -3.95528 | 0.000486 | 0.015668 | -1.14178 | Down |
| <i>AC136475.3</i> | -0.72437 | 1.840833 | -3.11263 | 0.0043 | 0.05431 | -3.24937 | Down |
| <i>ELN</i> | -0.72606 | 3.879158 | -3.26808 | 0.002909 | 0.042621 | -2.87582 | Down |
| <i>AGBL1</i> | -0.72676 | 1.943885 | -3.68076 | 0.001003 | 0.023406 | -1.84827 | Down |
| <i>RNU7.4P</i> | -0.72729 | 1.952212 | -3.3076 | 0.002631 | 0.040212 | -2.77955 | Down |
| <i>KRT4</i> | -0.72741 | 2.43316 | -2.49098 | 0.019067 | 0.133498 | -4.64557 | Down |
| <i>APLNR</i> | -0.72982 | 2.902984 | -2.36265 | 0.025473 | 0.159939 | -4.91043 | Down |
| <i>AC010976.2</i> | -0.72994 | 1.562262 | -4.33234 | 0.000177 | 0.00952 | -0.15023 | Down |
| <i>MIR1251</i> | -0.73038 | 1.121693 | -2.8928 | 0.007388 | 0.074393 | -3.76241 | Down |
| <i>MAG11.IT1</i> | -0.73069 | 1.514708 | -4.79163 | 5.12E-05 | 0.005451 | 1.078651 | Down |
| <i>MIR4320</i> | -0.73191 | 1.074282 | -4.15993 | 0.000282 | 0.01191 | -0.60614 | Down |
| <i>HIF3A</i> | -0.73252 | 2.609671 | -3.11626 | 0.004261 | 0.053988 | -3.24075 | Down |
| <i>GDPD5</i> | -0.73275 | 1.496318 | -5.5501 | 6.59E-06 | 0.002809 | 3.125262 | Down |
| <i>SYNGR2</i> | -0.73377 | 3.82742 | -2.36258 | 0.025477 | 0.159946 | -4.91058 | Down |
| <i>CACFD1</i> | -0.73386 | 1.899846 | -3.76181 | 0.000811 | 0.020773 | -1.64132 | Down |
| <i>MAN2C1</i> | -0.73466 | 2.36224 | -3.73379 | 0.000873 | 0.021478 | -1.71302 | Down |
| <i>D2HGDH</i> | -0.73593 | 1.520782 | -5.56921 | 6.26E-06 | 0.002809 | 3.176761 | Down |
| <i>MIR5699</i> | -0.73642 | 1.12823 | -4.96602 | 3.19E-05 | 0.004695 | 1.548594 | Down |

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|-------------------|----------|----------|----------|----------|----------|----------|------|
| <i>TMEM204</i> | -0.73758 | 3.990855 | -3.22899 | 0.003211 | 0.045287 | -2.97052 | Down |
| <i>MIR4296</i> | -0.7381 | 1.79391 | -4.30268 | 0.000192 | 0.00988 | -0.22892 | Down |
| <i>MIR429</i> | -0.741 | 0.719143 | -3.6103 | 0.001206 | 0.025741 | -2.02691 | Down |
| <i>PKD1</i> | -0.74136 | 2.321345 | -4.54331 | 0.0001 | 0.007413 | 0.412155 | Down |
| <i>AL161420.1</i> | -0.74174 | 1.461027 | -4.05225 | 0.000376 | 0.013724 | -0.88882 | Down |
| <i>HIST1H4B</i> | -0.74266 | 5.244978 | -4.27244 | 0.000208 | 0.010285 | -0.30905 | Down |
| <i>PFN1P6</i> | -0.74297 | 2.522398 | -4.15228 | 0.000288 | 0.012039 | -0.62628 | Down |
| <i>SELENOM</i> | -0.74415 | 2.37359 | -3.19953 | 0.003458 | 0.047438 | -3.04155 | Down |
| <i>AC003989.1</i> | -0.74421 | 1.52259 | -4.60687 | 8.45E-05 | 0.006722 | 0.582372 | Down |
| <i>SHANK3</i> | -0.74443 | 3.934762 | -3.48877 | 0.001653 | 0.031077 | -2.33215 | Down |
| <i>AL031719.2</i> | -0.74493 | 2.159428 | -4.50314 | 0.000112 | 0.007742 | 0.304758 | Down |
| <i>CRIP2</i> | -0.74494 | 3.417617 | -3.34617 | 0.002385 | 0.037981 | -2.68511 | Down |
| <i>MIR8089</i> | -0.7467 | 1.853257 | -2.25687 | 0.032169 | 0.184606 | -5.12175 | Down |
| <i>RPL7L1P12</i> | -0.74891 | 2.037067 | -2.68719 | 0.012089 | 0.099944 | -4.22391 | Down |
| <i>ADAMTS7</i> | -0.7505 | 1.720448 | -6.20689 | 1.14E-06 | 0.002284 | 4.885463 | Down |
| <i>MEIS1.AS2</i> | -0.7506 | 1.537767 | -4.56121 | 9.56E-05 | 0.007195 | 0.460074 | Down |
| <i>SNX18P4</i> | -0.75067 | 1.19102 | -3.38879 | 0.002138 | 0.035742 | -2.58024 | Down |
| <i>AL139287.1</i> | -0.75067 | 1.426793 | -2.72782 | 0.010981 | 0.094531 | -4.13423 | Down |
| <i>AC006128.1</i> | -0.75427 | 2.227762 | -5.53628 | 6.84E-06 | 0.002822 | 3.088017 | Down |
| <i>SNRNP70</i> | -0.75435 | 3.972776 | -5.33658 | 1.17E-05 | 0.003257 | 2.549157 | Down |
| <i>JMJD1C.AS1</i> | -0.75464 | 1.486886 | -5.71672 | 4.21E-06 | 0.00245 | 3.573884 | Down |
| <i>EXD3</i> | -0.75533 | 1.384994 | -5.0665 | 2.43E-05 | 0.004359 | 1.819767 | Down |
| <i>MIR4459</i> | -0.75838 | 1.030565 | -4.67078 | 7.11E-05 | 0.006315 | 0.753804 | Down |
| <i>HMGA1P2</i> | -0.75842 | 1.341871 | -4.93698 | 3.46E-05 | 0.004764 | 1.470264 | Down |
| <i>FGFR4</i> | -0.76002 | 3.197126 | -3.97074 | 0.000467 | 0.015362 | -1.10157 | Down |
| <i>AC083809.1</i> | -0.76029 | 1.568596 | -3.04069 | 0.005141 | 0.060282 | -3.41933 | Down |
| <i>AL161773.1</i> | -0.76063 | 1.434865 | -5.05079 | 2.54E-05 | 0.004426 | 1.77737 | Down |
| <i>TBX2</i> | -0.7631 | 3.946772 | -4.84838 | 4.39E-05 | 0.005144 | 1.231445 | Down |
| <i>MIB2</i> | -0.76479 | 1.774524 | -4.68548 | 6.83E-05 | 0.006218 | 0.79328 | Down |
| <i>AL357055.1</i> | -0.76697 | 1.105954 | -4.41461 | 0.000142 | 0.008539 | 0.068568 | Down |
| <i>AC104031.1</i> | -0.76821 | 2.387453 | -3.42694 | 0.001939 | 0.03401 | -2.48592 | Down |
| <i>CICP14</i> | -0.76847 | 3.596949 | -5.64586 | 5.09E-06 | 0.002711 | 3.383221 | Down |
| <i>LINC00106</i> | -0.76875 | 2.762463 | -4.15615 | 0.000285 | 0.012004 | -0.61608 | Down |
| <i>MIR1281</i> | -0.77125 | 2.837262 | -3.76466 | 0.000805 | 0.020685 | -1.634 | Down |
| <i>AC025423.5</i> | -0.77132 | 2.779425 | -2.92012 | 0.006913 | 0.071636 | -3.6997 | Down |
| <i>MIR6859.1</i> | -0.77344 | 2.666661 | -4.99523 | 2.95E-05 | 0.004548 | 1.627412 | Down |
| <i>IGF1R</i> | -0.77648 | 2.584652 | -2.5167 | 0.017977 | 0.128633 | -4.59141 | Down |
| <i>SNORA23</i> | -0.77677 | 2.563047 | -2.4561 | 0.020642 | 0.140113 | -4.71844 | Down |
| <i>CTBP1.AS2</i> | -0.77915 | 1.789757 | -2.99969 | 0.005688 | 0.064002 | -3.51531 | Down |
| <i>MIR3615</i> | -0.78293 | 2.091499 | -2.1723 | 0.038626 | 0.206802 | -5.2859 | Down |
| <i>SPTLC1P1</i> | -0.78391 | 1.808082 | -4.20046 | 0.000253 | 0.011244 | -0.49932 | Down |
| <i>PKD1P5</i> | -0.78583 | 1.837028 | -3.92458 | 0.000528 | 0.016418 | -1.22152 | Down |
| <i>MIR2467</i> | -0.7876 | 1.37912 | -4.13055 | 0.000305 | 0.012438 | -0.68345 | Down |

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|--------------------|----------|----------|----------|----------|----------|----------|------|
| <i>RPL23AP18</i> | -0.78846 | 1.548494 | -4.85508 | 4.31E-05 | 0.005144 | 1.249513 | Down |
| <i>AC018638.2</i> | -0.78873 | 2.843345 | -5.22862 | 1.57E-05 | 0.003736 | 2.2576 | Down |
| <i>PRODH</i> | -0.79092 | 3.006327 | -3.47744 | 0.001702 | 0.031548 | -2.36042 | Down |
| <i>RNA5SP131</i> | -0.79111 | 1.89907 | -3.96615 | 0.000472 | 0.015444 | -1.1135 | Down |
| <i>ALDH3B1</i> | -0.79149 | 3.174673 | -2.71407 | 0.011345 | 0.096096 | -4.16467 | Down |
| <i>MIR605</i> | -0.79415 | 2.248952 | -3.43687 | 0.00189 | 0.033575 | -2.46132 | Down |
| <i>TSIX</i> | -0.79504 | 0.372603 | -4.92922 | 3.53E-05 | 0.004764 | 1.449345 | Down |
| <i>PDZK1IP1</i> | -0.79908 | 2.543991 | -3.9065 | 0.000554 | 0.016873 | -1.26841 | Down |
| <i>GPR17</i> | -0.7995 | 2.544924 | -4.21711 | 0.000242 | 0.010991 | -0.45536 | Down |
| <i>HSPG2</i> | -0.80056 | 5.573193 | -4.58106 | 9.06E-05 | 0.006939 | 0.513218 | Down |
| <i>RPL35AP31</i> | -0.80058 | 1.29669 | -3.64848 | 0.001092 | 0.024427 | -1.93026 | Down |
| <i>MIR378H</i> | -0.8009 | 2.29572 | -3.70614 | 0.000939 | 0.022529 | -1.78362 | Down |
| <i>AATK</i> | -0.80113 | 2.135046 | -5.16262 | 1.88E-05 | 0.003935 | 2.079326 | Down |
| <i>AL645939.3</i> | -0.80688 | 1.083495 | -4.0685 | 0.00036 | 0.013455 | -0.84628 | Down |
| <i>Metazoa_SRP</i> | -0.80785 | 2.087847 | -4.8859 | 3.97E-05 | 0.004986 | 1.332544 | Down |
| <i>ALS2CL</i> | -0.80995 | 2.659724 | -5.30132 | 1.29E-05 | 0.003442 | 2.453941 | Down |
| <i>AC010507.1</i> | -0.81181 | 1.020364 | -2.91677 | 0.00697 | 0.071868 | -3.70739 | Down |
| <i>RN7SL3</i> | -0.81252 | 6.794305 | -2.32821 | 0.027499 | 0.167103 | -4.97995 | Down |
| <i>AC013564.1</i> | -0.81436 | 2.449377 | -2.64933 | 0.013215 | 0.10593 | -4.30676 | Down |
| <i>TNS1</i> | -0.81487 | 3.911612 | -3.40792 | 0.002036 | 0.034878 | -2.533 | Down |
| <i>SOX18</i> | -0.82059 | 1.798742 | -3.22128 | 0.003274 | 0.045889 | -2.98913 | Down |
| <i>OBSCN</i> | -0.82453 | 1.968034 | -5.53562 | 6.85E-06 | 0.002822 | 3.086222 | Down |
| <i>CPSF1P1</i> | -0.82533 | 1.376429 | -4.67759 | 6.98E-05 | 0.006292 | 0.772083 | Down |
| <i>RN7SL648P</i> | -0.83196 | 3.804002 | -4.39979 | 0.000148 | 0.008674 | 0.029114 | Down |
| <i>MIR145</i> | -0.83574 | 2.407143 | -2.96338 | 0.006219 | 0.067511 | -3.59977 | Down |
| <i>MIR6730</i> | -0.83814 | 1.59074 | -3.26141 | 0.002958 | 0.04309 | -2.89201 | Down |
| <i>AP006284.1</i> | -0.83909 | 1.622187 | -4.87283 | 4.11E-05 | 0.005048 | 1.29733 | Down |
| <i>SNORD116</i> | -0.8478 | 2.449288 | -4.05688 | 0.000371 | 0.013635 | -0.8767 | Down |
| <i>RPSAP36</i> | -0.84944 | 2.088636 | -4.88061 | 4.03E-05 | 0.005016 | 1.318286 | Down |
| <i>RNU6.171P</i> | -0.85018 | 1.792573 | -4.01295 | 0.000417 | 0.014553 | -0.99153 | Down |
| <i>AC005540.1</i> | -0.8518 | 1.800162 | -3.90185 | 0.00056 | 0.017 | -1.28046 | Down |
| <i>FAM212A</i> | -0.85747 | 2.063196 | -4.3735 | 0.000159 | 0.009047 | -0.04084 | Down |
| <i>MIR181A1HG</i> | -0.86293 | 1.454823 | -3.57027 | 0.001339 | 0.027427 | -2.1279 | Down |
| <i>KRT18P15</i> | -0.86464 | 1.732978 | -3.80742 | 0.000719 | 0.019489 | -1.52422 | Down |
| <i>AC106827.1</i> | -0.86956 | 2.289428 | -4.45412 | 0.000128 | 0.008199 | 0.173889 | Down |
| <i>KANK3</i> | -0.8771 | 3.051471 | -4.42701 | 0.000137 | 0.008421 | 0.101613 | Down |
| <i>AC245041.1</i> | -0.87875 | 2.296354 | -3.82412 | 0.000688 | 0.019138 | -1.48126 | Down |
| <i>ESYT2</i> | -0.879 | 1.673106 | -2.37593 | 0.024728 | 0.156675 | -4.88344 | Down |
| <i>CLDN5</i> | -0.88606 | 2.618606 | -3.16847 | 0.003739 | 0.04979 | -3.11615 | Down |
| <i>PVRIG2P</i> | -0.88607 | 1.688178 | -3.2841 | 0.002793 | 0.041646 | -2.83684 | Down |
| <i>AC110794.1</i> | -0.88701 | 1.505862 | -4.91445 | 3.67E-05 | 0.004853 | 1.409519 | Down |
| <i>AL355803.1</i> | -0.88859 | 1.515755 | -4.46679 | 0.000123 | 0.008023 | 0.207696 | Down |
| <i>ELF2</i> | -0.89051 | 2.938645 | -2.90209 | 0.007223 | 0.073558 | -3.74112 | Down |

| | | | | | | | |
|-------------------|----------|----------|----------|----------|----------|----------|------|
| <i>SLC22A17</i> | -0.89121 | 1.65681 | -4.5904 | 8.83E-05 | 0.006831 | 0.538227 | Down |
| <i>MIR6891</i> | -0.89224 | 2.53099 | -2.24288 | 0.033165 | 0.188204 | -5.14921 | Down |
| <i>AC007849.1</i> | -0.89244 | 2.219612 | -4.26529 | 0.000212 | 0.010373 | -0.32798 | Down |
| <i>RNASEH2C</i> | -0.89531 | 1.20017 | -4.36313 | 0.000163 | 0.009183 | -0.06842 | Down |
| <i>AC138932.1</i> | -0.8985 | 2.715592 | -4.86975 | 4.15E-05 | 0.005048 | 1.289041 | Down |
| <i>AC063961.1</i> | -0.9036 | 2.010962 | -3.86847 | 0.000612 | 0.017785 | -1.36682 | Down |
| <i>TSPO</i> | -0.9043 | 3.99915 | -2.65015 | 0.01319 | 0.10582 | -4.30497 | Down |
| <i>SULT1A1</i> | -0.9057 | 2.811245 | -2.20392 | 0.036087 | 0.198305 | -5.22504 | Down |
| <i>AC126755.1</i> | -0.9195 | 2.345041 | -4.7983 | 5.03E-05 | 0.005425 | 1.096602 | Down |
| <i>RPS14P8</i> | -0.92058 | 1.554054 | -5.34668 | 1.14E-05 | 0.00324 | 2.576407 | Down |
| <i>PI4KAP1</i> | -0.92461 | 1.582369 | -5.6565 | 4.95E-06 | 0.002686 | 3.411863 | Down |
| <i>AC096921.1</i> | -0.93732 | 3.781798 | -4.21443 | 0.000243 | 0.011019 | -0.46245 | Down |
| <i>NOTCH4</i> | -0.93827 | 3.743511 | -4.85036 | 4.37E-05 | 0.005144 | 1.23679 | Down |
| <i>CFLIP3</i> | -0.94751 | 1.517746 | -6.02721 | 1.84E-06 | 0.002284 | 4.406426 | Down |
| <i>AL161742.1</i> | -0.958 | 1.756424 | -4.81126 | 4.86E-05 | 0.005348 | 1.131504 | Down |
| <i>MIR126</i> | -0.9603 | 2.53749 | -3.06615 | 0.004827 | 0.058034 | -3.35939 | Down |
| <i>AC003080.1</i> | -0.96197 | 2.31138 | -4.848 | 4.40E-05 | 0.005144 | 1.230442 | Down |
| <i>NPDC1</i> | -0.96761 | 3.446235 | -4.94559 | 3.38E-05 | 0.00474 | 1.493499 | Down |
| <i>GAPDHP59</i> | -0.97038 | 2.282214 | -4.46469 | 0.000124 | 0.008051 | 0.20208 | Down |
| <i>MIR6772</i> | -0.9781 | 2.200665 | -4.65173 | 7.48E-05 | 0.006466 | 0.702684 | Down |
| <i>PKD1P1</i> | -0.99497 | 2.395569 | -5.57703 | 6.13E-06 | 0.002809 | 3.197841 | Down |
| <i>CR392039.1</i> | -0.99658 | 1.294407 | -4.60273 | 8.54E-05 | 0.006736 | 0.57127 | Down |
| <i>RAB43</i> | -1.00081 | 1.717581 | -2.70455 | 0.011603 | 0.097481 | -4.18568 | Down |
| <i>TBX2.AS1</i> | -1.0084 | 2.059307 | -6.36843 | 7.45E-07 | 0.002284 | 5.314099 | Down |
| <i>RPL12P20</i> | -1.01073 | 3.059289 | -3.7734 | 0.000787 | 0.020381 | -1.6116 | Down |
| <i>AC097658.1</i> | -1.02258 | 2.070357 | -5.98483 | 2.06E-06 | 0.002284 | 4.293101 | Down |
| <i>MYO15B</i> | -1.03265 | 2.829208 | -6.17695 | 1.23E-06 | 0.002284 | 4.805798 | Down |
| <i>AC018638.5</i> | -1.03692 | 3.205519 | -5.92129 | 2.44E-06 | 0.002284 | 4.123015 | Down |
| <i>AC105206.1</i> | -1.06298 | 2.578461 | -3.11277 | 0.004298 | 0.05431 | -3.24904 | Down |
| <i>LAMA5</i> | -1.06847 | 3.972183 | -5.42764 | 9.16E-06 | 0.003042 | 2.794963 | Down |
| <i>MIR6809</i> | -1.07864 | 2.959136 | -5.36765 | 1.08E-05 | 0.003134 | 2.633034 | Down |
| <i>MIRLET7BHG</i> | -1.08802 | 2.681917 | -5.37037 | 1.07E-05 | 0.003127 | 2.640389 | Down |
| <i>PRKCD</i> | -1.09794 | 2.059243 | -2.75081 | 0.010397 | 0.091576 | -4.08314 | Down |
| <i>RN7SKP154</i> | -1.10961 | 2.22753 | -5.5868 | 5.97E-06 | 0.002809 | 3.224166 | Down |
| <i>MSRB3</i> | -1.11095 | 1.776145 | -4.13054 | 0.000305 | 0.012438 | -0.68347 | Down |
| <i>EGFL7</i> | -1.11845 | 4.128786 | -4.57277 | 9.27E-05 | 0.007026 | 0.491019 | Down |
| <i>RPL23AP32</i> | -1.11901 | 3.201536 | -4.74454 | 5.82E-05 | 0.005802 | 0.951976 | Down |
| <i>SNX18P12</i> | -1.14717 | 3.395745 | -3.48716 | 0.00166 | 0.031134 | -2.33617 | Down |
| <i>ADAMTS7P3</i> | -1.16421 | 3.109609 | -5.0585 | 2.49E-05 | 0.004371 | 1.798187 | Down |
| <i>SOSTDC1</i> | -1.17014 | 3.375619 | -2.64916 | 0.013221 | 0.105953 | -4.30714 | Down |
| <i>SCARNA5</i> | -1.3045 | 7.025354 | -4.42608 | 0.000138 | 0.008421 | 0.099135 | Down |
| <i>AC073850.1</i> | -1.38813 | 2.405579 | -5.14602 | 1.96E-05 | 0.003997 | 2.034494 | Down |
| <i>AC018638.1</i> | -1.57748 | 3.105222 | -4.3248 | 0.000181 | 0.009589 | -0.17024 | Down |

| | | | | | | | |
|------------------|----------|----------|----------|----------|----------|----------|------|
| <i>MIR3687.1</i> | -1.94183 | 5.468671 | -3.23288 | 0.003179 | 0.044999 | -2.96112 | Down |
| <i>MIR3687.2</i> | -2.18868 | 4.869542 | -3.58093 | 0.001302 | 0.026981 | -2.10104 | Down |
| <i>XIST</i> | -2.48934 | 1.127184 | -5.81159 | 3.26E-06 | 0.002284 | 3.828816 | Down |

DEGs, differentially expressed genes; FC, fold change; FDR, false discovery rate.