

| Gene | r | P value | P adjusted |
|-----------------|------------|-----------|------------|
| <i>CCT6A</i> | 0.8731382 | 3.99E-103 | 7.99E-99 |
| <i>LSM5</i> | 0.83853238 | 1.89E-87 | 3.79E-83 |
| <i>GGCT</i> | 0.83296752 | 2.82E-85 | 5.65E-81 |
| <i>NFE2L3</i> | 0.80703135 | 4.13E-76 | 8.28E-72 |
| <i>DDX56</i> | 0.80520015 | 1.62E-75 | 3.25E-71 |
| <i>TWISTNB</i> | 0.80178326 | 2.00E-74 | 4.02E-70 |
| <i>DNAJC2</i> | 0.8012235 | 3.01E-74 | 6.04E-70 |
| <i>PPIA</i> | 0.79924981 | 1.25E-73 | 2.51E-69 |
| <i>MRPS17</i> | 0.79828683 | 2.50E-73 | 5.01E-69 |
| <i>BZW2</i> | 0.79199129 | 2.07E-71 | 4.15E-67 |
| <i>RP9</i> | 0.78481587 | 2.66E-69 | 5.32E-65 |
| <i>CSE1L</i> | 0.78439621 | 3.51E-69 | 7.03E-65 |
| <i>PSMA2</i> | 0.7823162 | 1.38E-68 | 2.76E-64 |
| <i>C7orf40</i> | 0.78112272 | 3.00E-68 | 6.02E-64 |
| <i>ARMC10</i> | 0.77912862 | 1.09E-67 | 2.19E-63 |
| <i>SSB</i> | 0.77687328 | 4.62E-67 | 9.26E-63 |
| <i>PUS7</i> | 0.77211161 | 9.21E-66 | 1.85E-61 |
| <i>BRIX1</i> | 0.77165768 | 1.22E-65 | 2.44E-61 |
| <i>PRMT3</i> | 0.77160064 | 1.26E-65 | 2.53E-61 |
| <i>FTSJ2</i> | 0.77034941 | 2.74E-65 | 5.48E-61 |
| <i>SSBP1</i> | 0.7680322 | 1.13E-64 | 2.26E-60 |
| <i>NUPL2</i> | 0.76618566 | 3.45E-64 | 6.91E-60 |
| <i>C3orf26</i> | 0.76395367 | 1.31E-63 | 2.63E-59 |
| <i>GARS</i> | 0.76370741 | 1.52E-63 | 3.05E-59 |
| <i>CIRH1A</i> | 0.75416332 | 3.91E-61 | 7.82E-57 |
| <i>DKC1</i> | 0.75384362 | 4.69E-61 | 9.38E-57 |
| <i>C7orf30</i> | 0.75323371 | 6.62E-61 | 1.32E-56 |
| <i>DUS4L</i> | 0.75195401 | 1.36E-60 | 2.73E-56 |
| <i>UBE2C</i> | 0.75076539 | 2.65E-60 | 5.31E-56 |
| <i>EIF2S2</i> | 0.7504359 | 3.19E-60 | 6.38E-56 |
| <i>HEATR2</i> | 0.74471638 | 7.42E-59 | 1.49E-54 |
| <i>GNL3</i> | 0.74432252 | 9.19E-59 | 1.84E-54 |
| <i>DCAF13</i> | 0.7433518 | 1.55E-58 | 3.11E-54 |
| <i>MTERFD1</i> | 0.74264215 | 2.28E-58 | 4.56E-54 |
| <i>NAA38</i> | 0.74234252 | 2.67E-58 | 5.35E-54 |
| <i>NOP58</i> | 0.74188377 | 3.42E-58 | 6.84E-54 |
| <i>MKI67IP</i> | 0.74166265 | 3.85E-58 | 7.70E-54 |
| <i>RP9P</i> | 0.74152475 | 4.15E-58 | 8.29E-54 |
| <i>NUDCD1</i> | 0.73990688 | 9.82E-58 | 1.96E-53 |
| <i>RFC3</i> | 0.73987897 | 9.97E-58 | 1.99E-53 |
| <i>RHEB</i> | 0.73838431 | 2.20E-57 | 4.40E-53 |
| <i>DARS</i> | 0.73733398 | 3.82E-57 | 7.64E-53 |
| <i>PPIAL4C</i> | 0.7363378 | 6.44E-57 | 1.29E-52 |
| <i>EIF3B</i> | 0.73469804 | 1.51E-56 | 3.02E-52 |
| <i>WDR43</i> | 0.73413927 | 2.02E-56 | 4.04E-52 |
| <i>C20orf20</i> | 0.73134589 | 8.48E-56 | 1.70E-51 |
| <i>C7orf44</i> | 0.73023931 | 1.49E-55 | 2.98E-51 |
| <i>TOMM34</i> | 0.73018503 | 1.53E-55 | 3.06E-51 |
| <i>DDX10</i> | 0.72982177 | 1.84E-55 | 3.69E-51 |
| <i>NAE1</i> | 0.72920475 | 2.52E-55 | 5.04E-51 |

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| <i>SKA3</i> | 0.72796473 | 4.71E-55 | 9.42E-51 |
| <i>PNO1</i> | 0.72772022 | 5.33E-55 | 1.06E-50 |
| <i>WDR75</i> | 0.72754593 | 5.81E-55 | 1.16E-50 |
| <i>ACTL6A</i> | 0.72711742 | 7.21E-55 | 1.44E-50 |
| <i>NIP7</i> | 0.72660899 | 9.30E-55 | 1.86E-50 |
| <i>DBF4</i> | 0.72649672 | 9.83E-55 | 1.97E-50 |
| <i>PFDN4</i> | 0.72647462 | 9.94E-55 | 1.99E-50 |
| <i>C7orf36</i> | 0.72580803 | 1.39E-54 | 2.77E-50 |
| <i>ACTR3B</i> | 0.72539003 | 1.71E-54 | 3.41E-50 |
| <i>RPF2</i> | 0.72495964 | 2.11E-54 | 4.23E-50 |
| <i>PSPH</i> | 0.72406952 | 3.29E-54 | 6.57E-50 |
| <i>PAK1IP1</i> | 0.72367169 | 4.00E-54 | 7.99E-50 |
| <i>EEF1E1</i> | 0.72273854 | 6.34E-54 | 1.27E-49 |
| <i>HMGB1</i> | 0.72205179 | 8.88E-54 | 1.77E-49 |
| <i>RSL1D1</i> | 0.72201689 | 9.03E-54 | 1.80E-49 |
| <i>C5orf34</i> | 0.72146134 | 1.18E-53 | 2.37E-49 |
| <i>RAE1</i> | 0.72123959 | 1.32E-53 | 2.64E-49 |
| <i>LYAR</i> | 0.71870916 | 4.51E-53 | 9.02E-49 |
| <i>DSCC1</i> | 0.71763303 | 7.58E-53 | 1.51E-48 |
| <i>C13orf37</i> | 0.71752333 | 7.99E-53 | 1.60E-48 |
| <i>MPHOSPH10</i> | 0.71703658 | 1.01E-52 | 2.02E-48 |
| <i>ETV4</i> | 0.71664414 | 1.22E-52 | 2.43E-48 |
| <i>DCUN1D5</i> | 0.71616251 | 1.53E-52 | 3.06E-48 |
| <i>WDR12</i> | 0.71554488 | 2.06E-52 | 4.11E-48 |
| <i>RPP40</i> | 0.71536221 | 2.25E-52 | 4.49E-48 |
| <i>BYSL</i> | 0.71253727 | 8.55E-52 | 1.71E-47 |
| <i>RUVBL1</i> | 0.71247316 | 8.82E-52 | 1.76E-47 |
| <i>ORC6L</i> | 0.71181923 | 1.20E-51 | 2.39E-47 |
| <i>OTUD6B</i> | 0.71172389 | 1.25E-51 | 2.50E-47 |
| <i>SNRPE</i> | 0.71152709 | 1.37E-51 | 2.74E-47 |
| <i>MRPL3</i> | 0.71087344 | 1.87E-51 | 3.72E-47 |
| <i>METTL5</i> | 0.70992249 | 2.91E-51 | 5.80E-47 |
| <i>GTF2IRD1</i> | 0.70963451 | 3.32E-51 | 6.63E-47 |
| <i>POLD2</i> | 0.70952699 | 3.49E-51 | 6.97E-47 |
| <i>TPX2</i> | 0.70913094 | 4.20E-51 | 8.37E-47 |
| <i>CCDC59</i> | 0.70856405 | 5.46E-51 | 1.09E-46 |
| <i>HSPE1</i> | 0.70666429 | 1.31E-50 | 2.61E-46 |
| <i>NIT2</i> | 0.70612471 | 1.68E-50 | 3.34E-46 |
| <i>NUTF2</i> | 0.70578901 | 1.95E-50 | 3.90E-46 |
| <i>PNPT1</i> | 0.70554098 | 2.19E-50 | 4.37E-46 |
| <i>POLR1C</i> | 0.70435232 | 3.76E-50 | 7.50E-46 |
| <i>CBFB</i> | 0.7036168 | 5.25E-50 | 1.05E-45 |
| <i>FIGNL1</i> | 0.7033021 | 6.05E-50 | 1.21E-45 |
| <i>NUF2</i> | 0.70318095 | 6.39E-50 | 1.28E-45 |
| <i>AHCY</i> | 0.70247576 | 8.79E-50 | 1.75E-45 |
| <i>LTV1</i> | 0.7015036 | 1.36E-49 | 2.71E-45 |
| <i>HSP90AB1</i> | 0.70081303 | 1.86E-49 | 3.70E-45 |
| <i>CKAP2</i> | 0.70074409 | 1.91E-49 | 3.82E-45 |
| <i>DPM1</i> | 0.70026085 | 2.37E-49 | 4.74E-45 |
| <i>PDCD5</i> | 0.7002366 | 2.40E-49 | 4.79E-45 |
| <i>TMEM206</i> | 0.69916602 | 3.87E-49 | 7.71E-45 |

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| <i>MTBP</i> | 0.69813823 | 6.10E-49 | 1.22E-44 |
| <i>NUP35</i> | 0.69794705 | 6.64E-49 | 1.32E-44 |
| <i>TOMM6</i> | 0.69789662 | 6.79E-49 | 1.35E-44 |
| <i>NUFIP1</i> | 0.69770195 | 7.40E-49 | 1.48E-44 |
| <i>NME1</i> | 0.69657039 | 1.22E-48 | 2.43E-44 |
| <i>CCDC34</i> | 0.6949244 | 2.51E-48 | 5.00E-44 |
| <i>C7orf68</i> | 0.69438744 | 3.17E-48 | 6.32E-44 |
| <i>PPA1</i> | 0.69392459 | 3.88E-48 | 7.73E-44 |
| <i>PVT1</i> | 0.69287735 | 6.11E-48 | 1.22E-43 |
| <i>EXOSC8</i> | 0.69250816 | 7.17E-48 | 1.43E-43 |
| <i>RRP15</i> | 0.69185759 | 9.50E-48 | 1.89E-43 |
| <i>E2F5</i> | 0.6914905 | 1.11E-47 | 2.22E-43 |
| <i>C8orf59</i> | 0.69143403 | 1.14E-47 | 2.27E-43 |
| <i>GTPBP4</i> | 0.69113102 | 1.30E-47 | 2.59E-43 |
| <i>RIOK1</i> | 0.69008318 | 2.04E-47 | 4.06E-43 |
| <i>SPC25</i> | 0.68963573 | 2.47E-47 | 4.91E-43 |
| <i>ANLN</i> | 0.68939189 | 2.74E-47 | 5.45E-43 |
| <i>TRIP13</i> | 0.68896461 | 3.28E-47 | 6.54E-43 |
| <i>HSPD1</i> | 0.68879213 | 3.53E-47 | 7.04E-43 |
| <i>DSN1</i> | 0.68821073 | 4.53E-47 | 9.01E-43 |
| <i>TCEB1</i> | 0.68770191 | 5.62E-47 | 1.12E-42 |
| <i>CDK4</i> | 0.68677315 | 8.32E-47 | 1.66E-42 |
| <i>PPIL1</i> | 0.68648658 | 9.40E-47 | 1.87E-42 |
| <i>NUDT1</i> | 0.68637366 | 9.85E-47 | 1.96E-42 |
| <i>NKRF</i> | 0.68561201 | 1.36E-46 | 2.70E-42 |
| <i>NR2C2AP</i> | 0.68535184 | 1.52E-46 | 3.02E-42 |
| <i>RAD18</i> | 0.68489795 | 1.83E-46 | 3.65E-42 |
| <i>RRP9</i> | 0.68406587 | 2.60E-46 | 5.17E-42 |
| <i>RAD54B</i> | 0.68384512 | 2.85E-46 | 5.67E-42 |
| <i>ORC5L</i> | 0.68378042 | 2.93E-46 | 5.82E-42 |
| <i>? 10357</i> | 0.68324077 | 3.67E-46 | 7.29E-42 |
| <i>GTF2F2</i> | 0.68312677 | 3.84E-46 | 7.65E-42 |
| <i>PSMA7</i> | 0.68312164 | 3.85E-46 | 7.66E-42 |
| <i>UBE2CBP</i> | 0.68275894 | 4.48E-46 | 8.91E-42 |
| <i>UCHL3</i> | 0.68275881 | 4.48E-46 | 8.91E-42 |
| <i>CLDN1</i> | 0.68240771 | 5.18E-46 | 1.03E-41 |
| <i>C7orf11</i> | 0.68214467 | 5.78E-46 | 1.15E-41 |
| <i>SHFM1</i> | 0.68143791 | 7.75E-46 | 1.54E-41 |
| <i>ZC3H15</i> | 0.68128498 | 8.25E-46 | 1.64E-41 |
| <i>ABCE1</i> | 0.68116252 | 8.68E-46 | 1.73E-41 |
| <i>RCL1</i> | 0.68064685 | 1.07E-45 | 2.14E-41 |
| <i>TTC26</i> | 0.68052769 | 1.13E-45 | 2.24E-41 |
| <i>TBRG4</i> | 0.68034943 | 1.21E-45 | 2.41E-41 |
| <i>AURKA</i> | 0.68012575 | 1.33E-45 | 2.65E-41 |
| <i>DPY30</i> | 0.67991788 | 1.45E-45 | 2.88E-41 |
| <i>TRMT11</i> | 0.67981944 | 1.51E-45 | 3.00E-41 |
| <i>PSMC2</i> | 0.67965507 | 1.62E-45 | 3.21E-41 |
| <i>UTP14A</i> | 0.67923376 | 1.92E-45 | 3.82E-41 |
| <i>CDK1</i> | 0.67871283 | 2.38E-45 | 4.72E-41 |
| <i>MRPL32</i> | 0.6785855 | 2.50E-45 | 4.98E-41 |
| <i>METTL1</i> | 0.67849274 | 2.60E-45 | 5.17E-41 |

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| <i>PHF14</i> | 0.67642638 | 6.03E-45 | 1.20E-40 |
| <i>RFC4</i> | 0.67631161 | 6.32E-45 | 1.26E-40 |
| <i>PDCD2L</i> | 0.6762032 | 6.60E-45 | 1.31E-40 |
| <i>PSMD14</i> | 0.67536065 | 9.28E-45 | 1.84E-40 |
| <i>PDRG1</i> | 0.67531364 | 9.46E-45 | 1.88E-40 |
| <i>TH1L</i> | 0.67496423 | 1.09E-44 | 2.16E-40 |
| <i>C1orf112</i> | 0.67457128 | 1.28E-44 | 2.53E-40 |
| <i>TGDS</i> | 0.6740443 | 1.58E-44 | 3.13E-40 |
| <i>MTHFD1L</i> | 0.67296413 | 2.43E-44 | 4.83E-40 |
| <i>XRCC2</i> | 0.67263367 | 2.78E-44 | 5.51E-40 |
| <i>KIAA0020</i> | 0.67259017 | 2.82E-44 | 5.61E-40 |
| <i>EXOSC7</i> | 0.67242392 | 3.02E-44 | 5.99E-40 |
| <i>PPAT</i> | 0.67213966 | 3.38E-44 | 6.71E-40 |
| <i>CENPQ</i> | 0.67189607 | 3.73E-44 | 7.39E-40 |
| <i>CLNS1A</i> | 0.67169418 | 4.04E-44 | 8.01E-40 |
| <i>ANAPC7</i> | 0.67149563 | 4.37E-44 | 8.67E-40 |
| <i>WDR77</i> | 0.67120805 | 4.90E-44 | 9.72E-40 |
| <i>ATIC</i> | 0.67040433 | 6.74E-44 | 1.34E-39 |
| <i>CPSF3</i> | 0.66972537 | 8.81E-44 | 1.75E-39 |
| <i>CENPH</i> | 0.66917639 | 1.09E-43 | 2.17E-39 |
| <i>NOB1</i> | 0.66863527 | 1.35E-43 | 2.69E-39 |
| <i>RPA3</i> | 0.66850333 | 1.43E-43 | 2.83E-39 |
| <i>SNRPC</i> | 0.66837136 | 1.50E-43 | 2.98E-39 |
| <i>NUP37</i> | 0.66782848 | 1.86E-43 | 3.69E-39 |
| <i>GTF3A</i> | 0.66754797 | 2.07E-43 | 4.12E-39 |
| <i>EIF2AK1</i> | 0.66724443 | 2.34E-43 | 4.63E-39 |
| <i>ENOPH1</i> | 0.66679188 | 2.79E-43 | 5.53E-39 |
| <i>NSUN5</i> | 0.66567946 | 4.30E-43 | 8.53E-39 |
| <i>TFAP4</i> | 0.66534267 | 4.90E-43 | 9.72E-39 |
| <i>CCDC86</i> | 0.66511588 | 5.35E-43 | 1.06E-38 |
| <i>MYBL2</i> | 0.66366832 | 9.37E-43 | 1.86E-38 |
| <i>RNASEH2B</i> | 0.66350827 | 9.97E-43 | 1.98E-38 |
| <i>RRS1</i> | 0.66333511 | 1.07E-42 | 2.11E-38 |
| <i>CMTM8</i> | 0.6630803 | 1.18E-42 | 2.33E-38 |
| <i>CDH3</i> | 0.66303578 | 1.20E-42 | 2.37E-38 |
| <i>SMYD5</i> | 0.66262553 | 1.40E-42 | 2.78E-38 |
| <i>RBMX</i> | 0.66226194 | 1.61E-42 | 3.19E-38 |
| <i>UBA2</i> | 0.66210973 | 1.71E-42 | 3.38E-38 |
| <i>CCDC58</i> | 0.66204835 | 1.75E-42 | 3.46E-38 |
| <i>GMPS</i> | 0.66190088 | 1.85E-42 | 3.66E-38 |
| <i>NOP16</i> | 0.66182531 | 1.90E-42 | 3.77E-38 |
| <i>GEMIN6</i> | 0.66175521 | 1.96E-42 | 3.87E-38 |
| <i>OSBPL3</i> | 0.66172357 | 1.98E-42 | 3.92E-38 |
| <i>POLR1D</i> | 0.66170699 | 1.99E-42 | 3.95E-38 |
| <i>TTK</i> | 0.6616651 | 2.02E-42 | 4.01E-38 |
| <i>NPM1</i> | 0.66129113 | 2.34E-42 | 4.63E-38 |
| <i>NUP107</i> | 0.66091528 | 2.70E-42 | 5.34E-38 |
| <i>WBSCR22</i> | 0.66077554 | 2.84E-42 | 5.63E-38 |
| <i>OLA1</i> | 0.66068778 | 2.94E-42 | 5.82E-38 |
| <i>TAF1D</i> | 0.66067977 | 2.95E-42 | 5.84E-38 |
| <i>LOC92659</i> | 0.65984894 | 4.05E-42 | 8.01E-38 |

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| <i>TRIB3</i> | 0.65934465 | 4.90E-42 | 9.70E-38 |
| <i>ZC3H8</i> | 0.65890592 | 5.79E-42 | 1.15E-37 |
| <i>MACC1</i> | 0.65873843 | 6.17E-42 | 1.22E-37 |
| <i>FAM133B</i> | 0.65771267 | 9.09E-42 | 1.80E-37 |
| <i>CD3EAP</i> | 0.65760496 | 9.46E-42 | 1.87E-37 |
| <i>E2F1</i> | 0.65757368 | 9.57E-42 | 1.90E-37 |
| <i>SLC25A32</i> | 0.65755223 | 9.65E-42 | 1.91E-37 |
| <i>CCDC41</i> | 0.65738484 | 1.03E-41 | 2.03E-37 |
| <i>HNRNPA2B1</i> | 0.65728103 | 1.07E-41 | 2.12E-37 |
| <i>ZMYND19</i> | 0.65707188 | 1.16E-41 | 2.29E-37 |
| <i>EBPL</i> | 0.65660492 | 1.38E-41 | 2.73E-37 |
| <i>MIOS</i> | 0.65651297 | 1.43E-41 | 2.82E-37 |
| <i>RPAP3</i> | 0.65627436 | 1.56E-41 | 3.09E-37 |
| <i>MRPS23</i> | 0.65590313 | 1.79E-41 | 3.55E-37 |
| <i>WDR74</i> | 0.65567187 | 1.96E-41 | 3.87E-37 |
| <i>CHCHD2</i> | 0.65520441 | 2.33E-41 | 4.61E-37 |
| <i>EXOSC5</i> | 0.65489388 | 2.62E-41 | 5.17E-37 |
| <i>RPS21</i> | 0.65420107 | 3.39E-41 | 6.70E-37 |
| <i>RNASEH2A</i> | 0.65396089 | 3.70E-41 | 7.32E-37 |
| <i>THUMPD2</i> | 0.65358099 | 4.26E-41 | 8.43E-37 |
| <i>OGFOD1</i> | 0.65357893 | 4.27E-41 | 8.43E-37 |
| <i>FOXQ1</i> | 0.65317864 | 4.95E-41 | 9.78E-37 |
| <i>TEAD4</i> | 0.65183934 | 8.12E-41 | 1.60E-36 |
| <i>CCT3</i> | 0.65133254 | 9.79E-41 | 1.93E-36 |
| <i>C4orf43</i> | 0.65122302 | 1.02E-40 | 2.01E-36 |
| <i>UBE2T</i> | 0.65119724 | 1.03E-40 | 2.03E-36 |
| <i>CCT4</i> | 0.65042265 | 1.37E-40 | 2.70E-36 |
| <i>TOP1MT</i> | 0.6494994 | 1.92E-40 | 3.79E-36 |
| <i>SFRS13A</i> | 0.64930991 | 2.05E-40 | 4.06E-36 |
| <i>MEMO1</i> | 0.64893083 | 2.36E-40 | 4.66E-36 |
| <i>HJURP</i> | 0.64858455 | 2.68E-40 | 5.29E-36 |
| <i>POLR2D</i> | 0.64829111 | 2.98E-40 | 5.88E-36 |
| <i>SET</i> | 0.64762603 | 3.79E-40 | 7.49E-36 |
| <i>NEK2</i> | 0.6474826 | 3.99E-40 | 7.89E-36 |
| <i>EIF3M</i> | 0.64732375 | 4.23E-40 | 8.36E-36 |
| <i>LOC388796</i> | 0.64726044 | 4.33E-40 | 8.55E-36 |
| <i>TATDN1</i> | 0.64720728 | 4.41E-40 | 8.71E-36 |
| <i>PALB2</i> | 0.64645665 | 5.79E-40 | 1.14E-35 |
| <i>CCT5</i> | 0.64639441 | 5.92E-40 | 1.17E-35 |
| <i>TMEM41A</i> | 0.64639355 | 5.93E-40 | 1.17E-35 |
| <i>AIMP1</i> | 0.64638422 | 5.95E-40 | 1.17E-35 |
| <i>C3orf31</i> | 0.64513356 | 9.33E-40 | 1.84E-35 |
| <i>CPNE7</i> | 0.6446687 | 1.10E-39 | 2.18E-35 |
| <i>PCID2</i> | 0.64443447 | 1.20E-39 | 2.37E-35 |
| <i>GLO1</i> | 0.64420048 | 1.30E-39 | 2.57E-35 |
| <i>RBM28</i> | 0.64367437 | 1.57E-39 | 3.11E-35 |
| <i>CENPA</i> | 0.64331598 | 1.79E-39 | 3.53E-35 |
| <i>HDAC2</i> | 0.6431704 | 1.89E-39 | 3.72E-35 |
| <i>FAM54A</i> | 0.64209225 | 2.77E-39 | 5.46E-35 |
| <i>DDN</i> | 0.64192637 | 2.94E-39 | 5.79E-35 |
| <i>ZNF195</i> | 0.64086155 | 4.28E-39 | 8.45E-35 |

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| <i>BOD1</i> | 0.6407815 | 4.41E-39 | 8.69E-35 |
| <i>UMPS</i> | 0.64035181 | 5.13E-39 | 1.01E-34 |
| <i>PPIH</i> | 0.6402381 | 5.34E-39 | 1.05E-34 |
| <i>CDK5RAP1</i> | 0.63967829 | 6.50E-39 | 1.28E-34 |
| <i>FAM60A</i> | 0.63918984 | 7.72E-39 | 1.52E-34 |
| <i>PRR7</i> | 0.63861077 | 9.47E-39 | 1.87E-34 |
| <i>PAFAH1B3</i> | 0.63827157 | 1.07E-38 | 2.10E-34 |
| <i>CSTF3</i> | 0.63809901 | 1.13E-38 | 2.23E-34 |
| <i>C12orf48</i> | 0.63766034 | 1.32E-38 | 2.60E-34 |
| <i>ZNRD1</i> | 0.63749066 | 1.40E-38 | 2.76E-34 |
| <i>NEBL</i> | 0.63707262 | 1.62E-38 | 3.19E-34 |
| <i>POU5F1B</i> | 0.63692403 | 1.71E-38 | 3.36E-34 |
| <i>RBMX2</i> | 0.63669101 | 1.85E-38 | 3.65E-34 |
| <i>ZNF259</i> | 0.63523248 | 3.08E-38 | 6.05E-34 |
| <i>XPO5</i> | 0.63508166 | 3.24E-38 | 6.38E-34 |
| <i>NOL10</i> | 0.63504475 | 3.28E-38 | 6.46E-34 |
| <i>MCM7</i> | 0.63478093 | 3.60E-38 | 7.08E-34 |
| <i>POMP</i> | 0.63471997 | 3.67E-38 | 7.23E-34 |
| <i>PFDN2</i> | 0.63460781 | 3.82E-38 | 7.51E-34 |
| <i>GIN51</i> | 0.63455338 | 3.89E-38 | 7.65E-34 |
| <i>SFRS3</i> | 0.63455111 | 3.89E-38 | 7.66E-34 |
| <i>RAN</i> | 0.63425311 | 4.32E-38 | 8.49E-34 |
| <i>PHF16</i> | 0.63331856 | 5.96E-38 | 1.17E-33 |
| <i>MRPL9</i> | 0.6332225 | 6.16E-38 | 1.21E-33 |
| <i>CCT2</i> | 0.63294054 | 6.78E-38 | 1.33E-33 |
| <i>XPOT</i> | 0.63280898 | 7.10E-38 | 1.40E-33 |
| <i>CKS2</i> | 0.63246875 | 7.98E-38 | 1.57E-33 |
| <i>CKS1B</i> | 0.63193389 | 9.58E-38 | 1.88E-33 |
| <i>PRIM2</i> | 0.63164155 | 1.06E-37 | 2.08E-33 |
| <i>DENR</i> | 0.63163358 | 1.06E-37 | 2.09E-33 |
| <i>KARS</i> | 0.63147885 | 1.12E-37 | 2.20E-33 |
| <i>MAD2L1</i> | 0.63135421 | 1.17E-37 | 2.30E-33 |
| <i>HAUS6</i> | 0.63087019 | 1.38E-37 | 2.71E-33 |
| <i>C11orf82</i> | 0.63026572 | 1.69E-37 | 3.33E-33 |
| <i>ESM1</i> | 0.63024402 | 1.71E-37 | 3.35E-33 |
| <i>PSMA1</i> | 0.63006382 | 1.81E-37 | 3.56E-33 |
| <i>PDCD2</i> | 0.62954293 | 2.17E-37 | 4.25E-33 |
| <i>MAGOHB</i> | 0.62950714 | 2.19E-37 | 4.30E-33 |
| <i>DIMT1L</i> | 0.6294464 | 2.24E-37 | 4.39E-33 |
| <i>RNF8</i> | 0.62940709 | 2.27E-37 | 4.45E-33 |
| <i>TRMT1</i> | 0.62926936 | 2.38E-37 | 4.66E-33 |
| <i>PTMA</i> | 0.62921883 | 2.42E-37 | 4.75E-33 |
| <i>ATP6V1F</i> | 0.62910466 | 2.51E-37 | 4.93E-33 |
| <i>CENPP</i> | 0.62897069 | 2.63E-37 | 5.16E-33 |
| <i>KIAA1257</i> | 0.62889733 | 2.70E-37 | 5.29E-33 |
| <i>RPIA</i> | 0.62875953 | 2.82E-37 | 5.54E-33 |
| <i>ZCCHC7</i> | 0.6287242 | 2.86E-37 | 5.61E-33 |
| <i>C17orf96</i> | 0.6286999 | 2.88E-37 | 5.65E-33 |
| <i>PAICS</i> | 0.62850533 | 3.08E-37 | 6.04E-33 |
| <i>ZNF280C</i> | 0.62843359 | 3.15E-37 | 6.19E-33 |
| <i>CHCHD6</i> | 0.62843004 | 3.16E-37 | 6.19E-33 |

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| <i>C12orf73</i> | 0.62806329 | 3.57E-37 | 7.01E-33 |
| <i>C2orf15</i> | 0.62748597 | 4.34E-37 | 8.52E-33 |
| <i>WDYHV1</i> | 0.62731065 | 4.61E-37 | 9.03E-33 |
| <i>DDX18</i> | 0.62716959 | 4.83E-37 | 9.47E-33 |
| <i>PA2G4P4</i> | 0.62601935 | 7.11E-37 | 1.39E-32 |
| <i>CENPN</i> | 0.62587829 | 7.45E-37 | 1.46E-32 |
| <i>TCFL5</i> | 0.62552653 | 8.38E-37 | 1.64E-32 |
| <i>C20orf199</i> | 0.62524629 | 9.20E-37 | 1.80E-32 |
| <i>SR140</i> | 0.62500971 | 9.96E-37 | 1.95E-32 |
| <i>DIAPH3</i> | 0.62483284 | 1.06E-36 | 2.07E-32 |
| <i>JUB</i> | 0.62451403 | 1.18E-36 | 2.30E-32 |
| <i>ATAD2</i> | 0.62379854 | 1.49E-36 | 2.92E-32 |
| <i>E2F6</i> | 0.62291787 | 2.00E-36 | 3.91E-32 |
| <i>NOC3L</i> | 0.62270489 | 2.14E-36 | 4.20E-32 |
| <i>NOL8</i> | 0.62259446 | 2.22E-36 | 4.36E-32 |
| <i>HSPH1</i> | 0.62240553 | 2.37E-36 | 4.64E-32 |
| <i>YTHDF1</i> | 0.62222031 | 2.52E-36 | 4.93E-32 |
| <i>DDX31</i> | 0.62205678 | 2.66E-36 | 5.20E-32 |
| <i>C1orf109</i> | 0.6220198 | 2.69E-36 | 5.27E-32 |
| <i>ZNF273</i> | 0.62191255 | 2.79E-36 | 5.45E-32 |
| <i>CDC123</i> | 0.6217758 | 2.91E-36 | 5.71E-32 |
| <i>WDR46</i> | 0.62161001 | 3.08E-36 | 6.03E-32 |
| <i>MND1</i> | 0.62144821 | 3.25E-36 | 6.36E-32 |
| <i>ADRM1</i> | 0.62110212 | 3.64E-36 | 7.12E-32 |
| <i>SUV39H2</i> | 0.62078579 | 4.04E-36 | 7.90E-32 |
| <i>GYLTL1B</i> | 0.6200893 | 5.08E-36 | 9.93E-32 |
| <i>C7orf23</i> | 0.61990888 | 5.38E-36 | 1.05E-31 |
| <i>TNFRSF12A</i> | 0.61989354 | 5.41E-36 | 1.06E-31 |
| <i>FANCB</i> | 0.61986755 | 5.46E-36 | 1.07E-31 |
| <i>ADK</i> | 0.61974106 | 5.69E-36 | 1.11E-31 |
| <i>SGOL1</i> | 0.61967693 | 5.81E-36 | 1.14E-31 |
| <i>PSMD7</i> | 0.61932107 | 6.53E-36 | 1.28E-31 |
| <i>CDCA7</i> | 0.61929494 | 6.58E-36 | 1.29E-31 |
| <i>NCAPG2</i> | 0.61909037 | 7.04E-36 | 1.38E-31 |
| <i>SLC7A5</i> | 0.61905412 | 7.12E-36 | 1.39E-31 |
| <i>UBE2I</i> | 0.61903819 | 7.16E-36 | 1.40E-31 |
| <i>C1orf135</i> | 0.61862766 | 8.19E-36 | 1.60E-31 |
| <i>POC5</i> | 0.61747711 | 1.19E-35 | 2.33E-31 |
| <i>NHP2</i> | 0.61742585 | 1.21E-35 | 2.37E-31 |
| <i>MELK</i> | 0.61736739 | 1.23E-35 | 2.41E-31 |
| <i>EIF3E</i> | 0.61698109 | 1.40E-35 | 2.73E-31 |
| <i>PA2G4</i> | 0.6169091 | 1.43E-35 | 2.80E-31 |
| <i>SNRPG</i> | 0.6165979 | 1.58E-35 | 3.10E-31 |
| <i>GRPEL2</i> | 0.61624196 | 1.78E-35 | 3.47E-31 |
| <i>WDR67</i> | 0.61604195 | 1.90E-35 | 3.70E-31 |
| <i>USP39</i> | 0.61572304 | 2.10E-35 | 4.11E-31 |
| <i>CEBPZ</i> | 0.61551859 | 2.25E-35 | 4.39E-31 |
| <i>IPO5</i> | 0.61547733 | 2.28E-35 | 4.44E-31 |
| <i>UBE2V1</i> | 0.61538966 | 2.34E-35 | 4.57E-31 |
| <i>ZNF92</i> | 0.61522068 | 2.47E-35 | 4.83E-31 |
| <i>ZFAND1</i> | 0.61510079 | 2.57E-35 | 5.02E-31 |

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| <i>ORC3L</i> | 0.6144444 | 3.17E-35 | 6.20E-31 |
| <i>NAT10</i> | 0.6144382 | 3.18E-35 | 6.21E-31 |
| <i>SLC5A6</i> | 0.61384509 | 3.85E-35 | 7.51E-31 |
| <i>VMA21</i> | 0.61352016 | 4.27E-35 | 8.33E-31 |
| <i>POLR2K</i> | 0.61343564 | 4.39E-35 | 8.56E-31 |
| <i>TGIF2</i> | 0.6132321 | 4.68E-35 | 9.14E-31 |
| <i>RNF219</i> | 0.61253761 | 5.85E-35 | 1.14E-30 |
| <i>RPE</i> | 0.6124987 | 5.92E-35 | 1.15E-30 |
| <i>C6orf223</i> | 0.61215212 | 6.61E-35 | 1.29E-30 |
| <i>EXOSC3</i> | 0.61193291 | 7.09E-35 | 1.38E-30 |
| <i>C19orf53</i> | 0.61178592 | 7.43E-35 | 1.45E-30 |
| <i>CGREF1</i> | 0.6116255 | 7.82E-35 | 1.52E-30 |
| <i>POLR1B</i> | 0.61150113 | 8.13E-35 | 1.59E-30 |
| <i>EMG1</i> | 0.61146458 | 8.23E-35 | 1.60E-30 |
| <i>KRT80</i> | 0.61134518 | 8.55E-35 | 1.67E-30 |
| <i>LRP11</i> | 0.61131413 | 8.63E-35 | 1.68E-30 |
| <i>C12orf45</i> | 0.61119888 | 8.95E-35 | 1.75E-30 |
| <i>ECE2</i> | 0.61111332 | 9.20E-35 | 1.79E-30 |
| <i>FARSB</i> | 0.61088895 | 9.88E-35 | 1.93E-30 |
| <i>CACYBP</i> | 0.61062569 | 1.07E-34 | 2.09E-30 |
| <i>ITGB3BP</i> | 0.61062257 | 1.07E-34 | 2.10E-30 |
| <i>SLCO4A1</i> | 0.61027839 | 1.20E-34 | 2.34E-30 |
| <i>KAT2A</i> | 0.6098593 | 1.37E-34 | 2.67E-30 |
| <i>PDX1</i> | 0.60964476 | 1.46E-34 | 2.85E-30 |
| <i>SNRPF</i> | 0.60956735 | 1.50E-34 | 2.92E-30 |
| <i>EXOSC2</i> | 0.60939424 | 1.59E-34 | 3.09E-30 |
| <i>RAD51AP1</i> | 0.6093794 | 1.59E-34 | 3.10E-30 |
| <i>ACP1</i> | 0.60840598 | 2.16E-34 | 4.22E-30 |
| <i>TIMM8A</i> | 0.60821785 | 2.30E-34 | 4.47E-30 |
| <i>UTP18</i> | 0.60788069 | 2.55E-34 | 4.97E-30 |
| <i>DNA2</i> | 0.60737372 | 2.99E-34 | 5.83E-30 |
| <i>MRPL36</i> | 0.60718849 | 3.17E-34 | 6.18E-30 |
| <i>SNHG1</i> | 0.60712464 | 3.24E-34 | 6.30E-30 |
| <i>EPHX4</i> | 0.60710448 | 3.26E-34 | 6.34E-30 |
| <i>DDX27</i> | 0.60624725 | 4.26E-34 | 8.29E-30 |
| <i>EZH2</i> | 0.60623524 | 4.27E-34 | 8.32E-30 |
| <i>PMS2L1</i> | 0.60606697 | 4.50E-34 | 8.77E-30 |
| <i>SLC39A10</i> | 0.60598368 | 4.62E-34 | 9.00E-30 |
| <i>MRPL17</i> | 0.60585394 | 4.81E-34 | 9.36E-30 |
| <i>EBNA1BP2</i> | 0.60552431 | 5.34E-34 | 1.04E-29 |
| <i>GTPBP10</i> | 0.60480054 | 6.68E-34 | 1.30E-29 |
| <i>CDK7</i> | 0.60436137 | 7.66E-34 | 1.49E-29 |
| <i>MET</i> | 0.60435392 | 7.68E-34 | 1.49E-29 |
| <i>THOC7</i> | 0.60426885 | 7.88E-34 | 1.53E-29 |
| <i>SDCCAG3</i> | 0.60414548 | 8.19E-34 | 1.59E-29 |
| <i>C16orf63</i> | 0.6040756 | 8.37E-34 | 1.63E-29 |
| <i>TEX10</i> | 0.60315017 | 1.11E-33 | 2.16E-29 |
| <i>CCAR1</i> | 0.60271153 | 1.28E-33 | 2.48E-29 |
| <i>BUD31</i> | 0.60266656 | 1.29E-33 | 2.51E-29 |
| <i>SMYD2</i> | 0.60264635 | 1.30E-33 | 2.53E-29 |
| <i>SNRPD2</i> | 0.60221326 | 1.49E-33 | 2.89E-29 |

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| <i>AASDHPPT</i> | 0.6021864 | 1.50E-33 | 2.91E-29 |
| <i>C12orf29</i> | 0.60218363 | 1.50E-33 | 2.91E-29 |
| <i>SLC25A15</i> | 0.60210083 | 1.54E-33 | 2.99E-29 |
| <i>UTP6</i> | 0.60150551 | 1.85E-33 | 3.59E-29 |
| <i>XPO1</i> | 0.60137182 | 1.93E-33 | 3.74E-29 |
| <i>C13orf34</i> | 0.60080885 | 2.29E-33 | 4.44E-29 |
| <i>CHEK2</i> | 0.60078797 | 2.30E-33 | 4.47E-29 |
| <i>PFDN6</i> | 0.60062542 | 2.42E-33 | 4.70E-29 |
| <i>SNHG11</i> | 0.60043905 | 2.56E-33 | 4.97E-29 |
| <i>ZNF138</i> | 0.60037318 | 2.62E-33 | 5.07E-29 |
| <i>KIF18A</i> | 0.59998774 | 2.94E-33 | 5.71E-29 |
| <i>ASNSD1</i> | 0.59973926 | 3.17E-33 | 6.16E-29 |
| <i>TARBP1</i> | 0.59949704 | 3.42E-33 | 6.63E-29 |
| <i>PLEKHA8</i> | 0.59946231 | 3.45E-33 | 6.70E-29 |
| <i>C7orf50</i> | 0.59936013 | 3.56E-33 | 6.91E-29 |
| <i>C13orf27</i> | 0.59914561 | 3.80E-33 | 7.37E-29 |
| <i>SNRPA1</i> | 0.59895014 | 4.04E-33 | 7.82E-29 |
| <i>NONO</i> | 0.59877159 | 4.26E-33 | 8.26E-29 |
| <i>CENPW</i> | 0.59864612 | 4.43E-33 | 8.58E-29 |
| <i>CCT7</i> | 0.59841887 | 4.74E-33 | 9.19E-29 |
| <i>FAM188B</i> | 0.59827876 | 4.95E-33 | 9.59E-29 |
| <i>TRMT112</i> | 0.598278 | 4.95E-33 | 9.59E-29 |
| <i>TP53RK</i> | 0.59826897 | 4.96E-33 | 9.62E-29 |
| <i>PSMG3</i> | 0.59816592 | 5.12E-33 | 9.92E-29 |
| <i>NOP2</i> | 0.59794657 | 5.47E-33 | 1.06E-28 |
| <i>SIGMAR1</i> | 0.59792652 | 5.51E-33 | 1.07E-28 |
| <i>EIF3H</i> | 0.59785293 | 5.63E-33 | 1.09E-28 |
| <i>ECT2</i> | 0.59755854 | 6.16E-33 | 1.19E-28 |
| <i>ZNF680</i> | 0.59744387 | 6.38E-33 | 1.23E-28 |
| <i>C21orf59</i> | 0.59720052 | 6.86E-33 | 1.33E-28 |
| <i>PWP1</i> | 0.59710803 | 7.06E-33 | 1.37E-28 |
| <i>C17orf75</i> | 0.59686777 | 7.59E-33 | 1.47E-28 |
| <i>PMS1</i> | 0.59673501 | 7.90E-33 | 1.53E-28 |
| <i>RANBP1</i> | 0.59671625 | 7.94E-33 | 1.54E-28 |
| <i>DNTTIP1</i> | 0.59651199 | 8.45E-33 | 1.63E-28 |
| <i>C7orf70</i> | 0.59650252 | 8.47E-33 | 1.64E-28 |
| <i>CCNB1IP1</i> | 0.59650225 | 8.47E-33 | 1.64E-28 |
| <i>SYNCRIP</i> | 0.59599814 | 9.86E-33 | 1.91E-28 |
| <i>IMPDH1</i> | 0.59589688 | 1.02E-32 | 1.97E-28 |
| <i>C11orf73</i> | 0.59574114 | 1.07E-32 | 2.06E-28 |
| <i>CPSF4</i> | 0.59538957 | 1.18E-32 | 2.29E-28 |
| <i>BRCA2</i> | 0.59538609 | 1.19E-32 | 2.29E-28 |
| <i>RIPK2</i> | 0.59536923 | 1.19E-32 | 2.30E-28 |
| <i>LRRC8E</i> | 0.59532314 | 1.21E-32 | 2.34E-28 |
| <i>PYCRL</i> | 0.59525593 | 1.23E-32 | 2.38E-28 |
| <i>RFWD3</i> | 0.59507267 | 1.30E-32 | 2.52E-28 |
| <i>NUDT5</i> | 0.59476224 | 1.43E-32 | 2.76E-28 |
| <i>FTSJ1</i> | 0.5944416 | 1.57E-32 | 3.04E-28 |
| <i>RNF114</i> | 0.59440653 | 1.59E-32 | 3.07E-28 |
| <i>C7orf25</i> | 0.59349344 | 2.09E-32 | 4.04E-28 |
| <i>C10orf2</i> | 0.59346867 | 2.11E-32 | 4.07E-28 |

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| <i>DDX55</i> | 0.59305132 | 2.38E-32 | 4.61E-28 |
| <i>LOC728640</i> | 0.59289721 | 2.50E-32 | 4.82E-28 |
| <i>GLRX3</i> | 0.59269863 | 2.65E-32 | 5.12E-28 |
| <i>UGGT2</i> | 0.59229627 | 2.99E-32 | 5.77E-28 |
| <i>C5orf28</i> | 0.59202454 | 3.24E-32 | 6.25E-28 |
| <i>MRPS24</i> | 0.59199526 | 3.27E-32 | 6.30E-28 |
| <i>MRT04</i> | 0.59193788 | 3.32E-32 | 6.41E-28 |
| <i>TPD52L2</i> | 0.59166274 | 3.60E-32 | 6.96E-28 |
| <i>RECQL4</i> | 0.59135166 | 3.95E-32 | 7.63E-28 |
| <i>CDCA3</i> | 0.59119404 | 4.14E-32 | 7.99E-28 |
| <i>NAA10</i> | 0.59083886 | 4.60E-32 | 8.88E-28 |
| <i>NDUFAF2</i> | 0.59052777 | 5.04E-32 | 9.73E-28 |
| <i>SLC19A2</i> | 0.59043174 | 5.19E-32 | 1.00E-27 |
| <i>TOMM5</i> | 0.5902762 | 5.43E-32 | 1.05E-27 |
| <i>GART</i> | 0.58998175 | 5.92E-32 | 1.14E-27 |
| <i>C11orf84</i> | 0.5892283 | 7.40E-32 | 1.43E-27 |
| <i>RPS7</i> | 0.58919282 | 7.47E-32 | 1.44E-27 |
| <i>ATPBD4</i> | 0.58914682 | 7.58E-32 | 1.46E-27 |
| <i>C16orf55</i> | 0.58909382 | 7.70E-32 | 1.48E-27 |
| <i>PIGU</i> | 0.5885359 | 9.07E-32 | 1.75E-27 |
| <i>C2orf34</i> | 0.58843798 | 9.33E-32 | 1.80E-27 |
| <i>SFRS7</i> | 0.58792373 | 1.08E-31 | 2.09E-27 |
| <i>FAM72A</i> | 0.58772634 | 1.15E-31 | 2.21E-27 |
| <i>PMS2</i> | 0.58759501 | 1.19E-31 | 2.30E-27 |
| <i>TRAIIP</i> | 0.58758954 | 1.20E-31 | 2.30E-27 |
| <i>TIMM50</i> | 0.58753361 | 1.22E-31 | 2.34E-27 |
| <i>NKD2</i> | 0.58738053 | 1.27E-31 | 2.45E-27 |
| <i>PUS1</i> | 0.58716681 | 1.35E-31 | 2.61E-27 |
| <i>TMEM123</i> | 0.58713398 | 1.37E-31 | 2.63E-27 |
| <i>IFRD2</i> | 0.58705889 | 1.40E-31 | 2.69E-27 |
| <i>ST7</i> | 0.58691217 | 1.46E-31 | 2.81E-27 |
| <i>NUP43</i> | 0.58661234 | 1.59E-31 | 3.06E-27 |
| <i>IPO7</i> | 0.58658776 | 1.60E-31 | 3.08E-27 |
| <i>EIF3J</i> | 0.586016 | 1.89E-31 | 3.64E-27 |
| <i>SS18L2</i> | 0.58578048 | 2.03E-31 | 3.90E-27 |
| <i>PDF</i> | 0.58577453 | 2.03E-31 | 3.91E-27 |
| <i>ACBD6</i> | 0.58559084 | 2.14E-31 | 4.12E-27 |
| <i>RPL30</i> | 0.58548439 | 2.21E-31 | 4.25E-27 |
| <i>FABP6</i> | 0.58543072 | 2.24E-31 | 4.31E-27 |
| <i>CCNB1</i> | 0.58520857 | 2.39E-31 | 4.60E-27 |
| <i>PRDM12</i> | 0.58468868 | 2.78E-31 | 5.35E-27 |
| <i>CHEK1</i> | 0.58438764 | 3.04E-31 | 5.83E-27 |
| <i>ADAT2</i> | 0.5841062 | 3.29E-31 | 6.33E-27 |
| <i>PAIP1</i> | 0.58400039 | 3.39E-31 | 6.52E-27 |
| <i>COX4NB</i> | 0.583711 | 3.69E-31 | 7.09E-27 |
| <i>TCERG1</i> | 0.58358872 | 3.82E-31 | 7.34E-27 |
| <i>DDX39</i> | 0.58357551 | 3.84E-31 | 7.37E-27 |
| <i>CDK2</i> | 0.58334894 | 4.10E-31 | 7.87E-27 |
| <i>SCML1</i> | 0.58307526 | 4.43E-31 | 8.51E-27 |
| <i>TMEM97</i> | 0.5830345 | 4.48E-31 | 8.61E-27 |
| <i>MRPL30</i> | 0.58302322 | 4.50E-31 | 8.64E-27 |

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| <i>TROAP</i> | 0.58287708 | 4.69E-31 | 9.01E-27 |
| <i>HIBADH</i> | 0.58278912 | 4.81E-31 | 9.24E-27 |
| <i>TMEM161A</i> | 0.58226281 | 5.60E-31 | 1.07E-26 |
| <i>POP7</i> | 0.58224013 | 5.64E-31 | 1.08E-26 |
| <i>DAP3</i> | 0.58182043 | 6.36E-31 | 1.22E-26 |
| <i>MEX3A</i> | 0.58162264 | 6.73E-31 | 1.29E-26 |
| <i>MCTS1</i> | 0.5815572 | 6.85E-31 | 1.32E-26 |
| <i>GPSM2</i> | 0.58155614 | 6.86E-31 | 1.32E-26 |
| <i>KIAA1524</i> | 0.58152252 | 6.92E-31 | 1.33E-26 |
| <i>NXT1</i> | 0.58144862 | 7.07E-31 | 1.36E-26 |
| <i>CDC25C</i> | 0.58142403 | 7.12E-31 | 1.37E-26 |
| <i>NCL</i> | 0.58121 | 7.57E-31 | 1.45E-26 |
| <i>CCT6P1</i> | 0.58116084 | 7.68E-31 | 1.47E-26 |
| <i>OBFC2B</i> | 0.58067796 | 8.81E-31 | 1.69E-26 |
| <i>C7orf28A</i> | 0.58066161 | 8.86E-31 | 1.70E-26 |
| <i>PPM1H</i> | 0.58064198 | 8.91E-31 | 1.71E-26 |
| <i>ZMIZ2</i> | 0.5802707 | 9.90E-31 | 1.90E-26 |
| <i>MYC</i> | 0.57981041 | 1.13E-30 | 2.16E-26 |
| <i>E2F3</i> | 0.57960445 | 1.20E-30 | 2.29E-26 |
| <i>DEPDC1B</i> | 0.57955497 | 1.21E-30 | 2.33E-26 |
| <i>BET1</i> | 0.57943926 | 1.25E-30 | 2.40E-26 |
| <i>CTU2</i> | 0.57938707 | 1.27E-30 | 2.44E-26 |
| <i>FAM91A1</i> | 0.5790635 | 1.40E-30 | 2.67E-26 |
| <i>NANP</i> | 0.57903731 | 1.41E-30 | 2.69E-26 |
| <i>INTS8</i> | 0.5788476 | 1.48E-30 | 2.84E-26 |
| <i>FANCI</i> | 0.57877822 | 1.51E-30 | 2.90E-26 |
| <i>ZBTB9</i> | 0.578736 | 1.53E-30 | 2.93E-26 |
| <i>TCOF1</i> | 0.57867982 | 1.56E-30 | 2.98E-26 |
| <i>UTP15</i> | 0.57801355 | 1.88E-30 | 3.60E-26 |
| <i>RABEPK</i> | 0.57685167 | 2.61E-30 | 4.99E-26 |
| <i>GNPDA1</i> | 0.57584349 | 3.47E-30 | 6.63E-26 |
| <i>KIAA0406</i> | 0.5757046 | 3.60E-30 | 6.89E-26 |
| <i>PRPF40A</i> | 0.57552626 | 3.79E-30 | 7.24E-26 |
| <i>C7orf27</i> | 0.57550998 | 3.81E-30 | 7.27E-26 |
| <i>RPL23P8</i> | 0.57541517 | 3.91E-30 | 7.47E-26 |
| <i>WDR3</i> | 0.57506088 | 4.32E-30 | 8.25E-26 |
| <i>NARS2</i> | 0.57502822 | 4.36E-30 | 8.32E-26 |
| <i>NUP93</i> | 0.57498733 | 4.41E-30 | 8.42E-26 |
| <i>TRAP1</i> | 0.57478058 | 4.67E-30 | 8.92E-26 |
| <i>KBTBD2</i> | 0.57475272 | 4.70E-30 | 8.99E-26 |
| <i>IQCB1</i> | 0.57474854 | 4.71E-30 | 9.00E-26 |
| <i>PLEKHA9</i> | 0.57471527 | 4.75E-30 | 9.08E-26 |
| <i>RFC2</i> | 0.57417906 | 5.52E-30 | 1.05E-25 |
| <i>TIGD1</i> | 0.57415827 | 5.56E-30 | 1.06E-25 |
| <i>RBM39</i> | 0.57392383 | 5.93E-30 | 1.13E-25 |
| <i>LAS1L</i> | 0.57381052 | 6.12E-30 | 1.17E-25 |
| <i>N6AMT2</i> | 0.57371333 | 6.29E-30 | 1.20E-25 |
| <i>SGOL2</i> | 0.57354679 | 6.59E-30 | 1.26E-25 |
| <i>ENC1</i> | 0.57340949 | 6.84E-30 | 1.31E-25 |
| <i>RPL26L1</i> | 0.57331253 | 7.03E-30 | 1.34E-25 |
| <i>FBXO5</i> | 0.57314929 | 7.36E-30 | 1.40E-25 |

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| <i>ALG3</i> | 0.57298743 | 7.70E-30 | 1.47E-25 |
| <i>UTP23</i> | 0.57275661 | 8.21E-30 | 1.57E-25 |
| <i>C16orf80</i> | 0.57267432 | 8.40E-30 | 1.60E-25 |
| <i>PPAN</i> | 0.57257252 | 8.64E-30 | 1.65E-25 |
| <i>DIS3</i> | 0.57242625 | 9.00E-30 | 1.72E-25 |
| <i>CBX8</i> | 0.57228728 | 9.35E-30 | 1.78E-25 |
| <i>LSM7</i> | 0.57220394 | 9.57E-30 | 1.82E-25 |
| <i>CSTF1</i> | 0.57213096 | 9.77E-30 | 1.86E-25 |
| <i>METTL6</i> | 0.57209952 | 9.85E-30 | 1.88E-25 |
| <i>SNHG6</i> | 0.57201847 | 1.01E-29 | 1.92E-25 |
| <i>ZNF12</i> | 0.57192663 | 1.03E-29 | 1.97E-25 |
| <i>FANCL</i> | 0.5714345 | 1.18E-29 | 2.26E-25 |
| <i>NAP1L1</i> | 0.57115242 | 1.28E-29 | 2.44E-25 |
| <i>UBE2V2</i> | 0.57107454 | 1.31E-29 | 2.49E-25 |
| <i>C9orf140</i> | 0.57105946 | 1.31E-29 | 2.50E-25 |
| <i>FBL</i> | 0.57100819 | 1.33E-29 | 2.54E-25 |
| <i>RPL7</i> | 0.57098931 | 1.34E-29 | 2.55E-25 |
| <i>KIF15</i> | 0.57090986 | 1.37E-29 | 2.61E-25 |
| <i>PRDX4</i> | 0.57089978 | 1.37E-29 | 2.62E-25 |
| <i>EIF1AX</i> | 0.57076947 | 1.42E-29 | 2.71E-25 |
| <i>RRP12</i> | 0.57075029 | 1.43E-29 | 2.72E-25 |
| <i>DTYMK</i> | 0.57067605 | 1.46E-29 | 2.78E-25 |
| <i>LRP8</i> | 0.57065465 | 1.47E-29 | 2.80E-25 |
| <i>MCM3</i> | 0.57055675 | 1.51E-29 | 2.87E-25 |
| <i>SLC6A6</i> | 0.57047542 | 1.54E-29 | 2.94E-25 |
| <i>TRA2A</i> | 0.57036501 | 1.59E-29 | 3.03E-25 |
| <i>TSN</i> | 0.57031928 | 1.61E-29 | 3.07E-25 |
| <i>MEST</i> | 0.57028041 | 1.63E-29 | 3.10E-25 |
| <i>SQLE</i> | 0.57007555 | 1.72E-29 | 3.28E-25 |
| <i>CEP55</i> | 0.57006711 | 1.73E-29 | 3.29E-25 |
| <i>RNPS1</i> | 0.56980528 | 1.86E-29 | 3.53E-25 |
| <i>TOP2A</i> | 0.56965508 | 1.93E-29 | 3.68E-25 |
| <i>SRPK1</i> | 0.56917409 | 2.21E-29 | 4.20E-25 |
| <i>RPL14</i> | 0.56911258 | 2.25E-29 | 4.27E-25 |
| <i>WDR53</i> | 0.56891394 | 2.37E-29 | 4.51E-25 |
| <i>LMBR1</i> | 0.56890691 | 2.38E-29 | 4.52E-25 |
| <i>SEC61G</i> | 0.56856688 | 2.61E-29 | 4.96E-25 |
| <i>SNTB1</i> | 0.56846411 | 2.68E-29 | 5.10E-25 |
| <i>RNF216L</i> | 0.56838603 | 2.74E-29 | 5.21E-25 |
| <i>PPP1R14B</i> | 0.56836259 | 2.76E-29 | 5.24E-25 |
| <i>C20orf24</i> | 0.56821827 | 2.87E-29 | 5.45E-25 |
| <i>PIBF1</i> | 0.56799429 | 3.05E-29 | 5.80E-25 |
| <i>ANKRD13B</i> | 0.56770321 | 3.30E-29 | 6.28E-25 |
| <i>NUPL1</i> | 0.56760874 | 3.39E-29 | 6.44E-25 |
| <i>UCKL1</i> | 0.56755619 | 3.44E-29 | 6.53E-25 |
| <i>KIAA1704</i> | 0.56748765 | 3.50E-29 | 6.65E-25 |
| <i>HM13</i> | 0.56734264 | 3.64E-29 | 6.92E-25 |
| <i>YEATS4</i> | 0.56632159 | 4.81E-29 | 9.14E-25 |
| <i>TIMM16</i> | 0.5663097 | 4.83E-29 | 9.17E-25 |
| <i>NOLC1</i> | 0.56625781 | 4.90E-29 | 9.30E-25 |
| <i>CCDC52</i> | 0.56624995 | 4.91E-29 | 9.32E-25 |

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| <i>CDK5</i> | 0.56624625 | 4.91E-29 | 9.32E-25 |
| <i>TCF7</i> | 0.56622269 | 4.94E-29 | 9.38E-25 |
| <i>NAA16</i> | 0.56614631 | 5.05E-29 | 9.58E-25 |
| <i>MIR17HG</i> | 0.56598036 | 5.28E-29 | 1.00E-24 |
| <i>TGS1</i> | 0.56570899 | 5.68E-29 | 1.08E-24 |
| <i>DNAJA3</i> | 0.56512063 | 6.67E-29 | 1.26E-24 |
| <i>MGC14436</i> | 0.56469712 | 7.48E-29 | 1.42E-24 |
| <i>TXNRD3IT1</i> | 0.56448386 | 7.92E-29 | 1.50E-24 |
| <i>NCBP2</i> | 0.56445509 | 7.98E-29 | 1.51E-24 |
| <i>USPL1</i> | 0.564018 | 8.98E-29 | 1.70E-24 |
| <i>CDCA5</i> | 0.56396977 | 9.10E-29 | 1.72E-24 |
| <i>C7orf47</i> | 0.56371253 | 9.75E-29 | 1.85E-24 |
| <i>CCDC99</i> | 0.56362095 | 9.99E-29 | 1.89E-24 |
| <i>RG9MTD1</i> | 0.56357994 | 1.01E-28 | 1.91E-24 |
| <i>MED30</i> | 0.56357334 | 1.01E-28 | 1.92E-24 |
| <i>C12orf11</i> | 0.56351768 | 1.03E-28 | 1.95E-24 |
| <i>GAR1</i> | 0.56348563 | 1.04E-28 | 1.96E-24 |
| <i>COPS8</i> | 0.56340066 | 1.06E-28 | 2.01E-24 |
| <i>POLR3K</i> | 0.5633908 | 1.06E-28 | 2.01E-24 |
| <i>RINT1</i> | 0.56313711 | 1.14E-28 | 2.16E-24 |
| <i>TBCA</i> | 0.56274552 | 1.26E-28 | 2.40E-24 |
| <i>MRE11A</i> | 0.56243595 | 1.37E-28 | 2.60E-24 |
| <i>ZDHHC9</i> | 0.56219164 | 1.47E-28 | 2.78E-24 |
| <i>ZNF485</i> | 0.5614335 | 1.80E-28 | 3.40E-24 |
| <i>CENPK</i> | 0.56100461 | 2.02E-28 | 3.81E-24 |
| <i>POP1</i> | 0.56099146 | 2.02E-28 | 3.83E-24 |
| <i>PSMG1</i> | 0.56095547 | 2.04E-28 | 3.86E-24 |
| <i>BUB1</i> | 0.56081293 | 2.12E-28 | 4.01E-24 |
| <i>LRRC20</i> | 0.56063135 | 2.23E-28 | 4.21E-24 |
| <i>SLC25A14</i> | 0.56061973 | 2.23E-28 | 4.22E-24 |
| <i>DPY19L1</i> | 0.56045245 | 2.34E-28 | 4.42E-24 |
| <i>NAA20</i> | 0.56043733 | 2.35E-28 | 4.43E-24 |
| <i>CETN2</i> | 0.56039607 | 2.37E-28 | 4.48E-24 |
| <i>SUGT1</i> | 0.56029652 | 2.44E-28 | 4.60E-24 |
| <i>SPATA12</i> | 0.56028205 | 2.44E-28 | 4.62E-24 |
| <i>DLEU1</i> | 0.5599975 | 2.64E-28 | 4.98E-24 |
| <i>NOP56</i> | 0.55940751 | 3.08E-28 | 5.83E-24 |
| <i>NAA15</i> | 0.55900161 | 3.44E-28 | 6.49E-24 |
| <i>ANAPC10</i> | 0.55892369 | 3.51E-28 | 6.62E-24 |
| <i>PPHLN1</i> | 0.55882236 | 3.60E-28 | 6.80E-24 |
| <i>BRD7</i> | 0.55869717 | 3.72E-28 | 7.03E-24 |
| <i>DUSP14</i> | 0.55866796 | 3.75E-28 | 7.08E-24 |
| <i>ILF2</i> | 0.55851014 | 3.91E-28 | 7.39E-24 |
| <i>EIF6</i> | 0.55814675 | 4.31E-28 | 8.13E-24 |
| <i>RTKN</i> | 0.55786848 | 4.64E-28 | 8.75E-24 |
| <i>KIF23</i> | 0.5577587 | 4.77E-28 | 9.00E-24 |
| <i>ZP3</i> | 0.55771088 | 4.83E-28 | 9.12E-24 |
| <i>LYRM4</i> | 0.55768877 | 4.86E-28 | 9.17E-24 |
| <i>SMC4</i> | 0.5576801 | 4.87E-28 | 9.19E-24 |
| <i>CCT8</i> | 0.55764498 | 4.92E-28 | 9.28E-24 |
| <i>ABCF2</i> | 0.55758371 | 5.00E-28 | 9.43E-24 |

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| <i>SNRPB2</i> | 0.55742938 | 5.21E-28 | 9.82E-24 |
| <i>SALL4</i> | 0.55669202 | 6.32E-28 | 1.19E-23 |
| <i>TTC27</i> | 0.55608312 | 7.42E-28 | 1.40E-23 |
| <i>SMN2</i> | 0.55606612 | 7.45E-28 | 1.40E-23 |
| <i>TKT</i> | 0.55582714 | 7.94E-28 | 1.49E-23 |
| <i>C8orf30A</i> | 0.55573836 | 8.12E-28 | 1.53E-23 |
| <i>HELLS</i> | 0.55548358 | 8.68E-28 | 1.64E-23 |
| <i>TG</i> | 0.5552789 | 9.16E-28 | 1.73E-23 |
| <i>S100A11</i> | 0.55512807 | 9.53E-28 | 1.79E-23 |
| <i>LSM2</i> | 0.5551142 | 9.57E-28 | 1.80E-23 |
| <i>SETD6</i> | 0.55482592 | 1.03E-27 | 1.94E-23 |
| <i>ASNS</i> | 0.55482027 | 1.03E-27 | 1.94E-23 |
| <i>KRT23</i> | 0.55481883 | 1.03E-27 | 1.95E-23 |
| <i>IMMP2L</i> | 0.55459024 | 1.10E-27 | 2.06E-23 |
| <i>DGAT2</i> | 0.55426617 | 1.19E-27 | 2.25E-23 |
| <i>FAM89A</i> | 0.55387912 | 1.32E-27 | 2.48E-23 |
| <i>TFDP1</i> | 0.55379591 | 1.35E-27 | 2.54E-23 |
| <i>ELAVL1</i> | 0.55309358 | 1.62E-27 | 3.05E-23 |
| <i>ENY2</i> | 0.55302051 | 1.65E-27 | 3.10E-23 |
| <i>GPATCH4</i> | 0.55292383 | 1.69E-27 | 3.18E-23 |
| <i>C1GALT1</i> | 0.55283869 | 1.73E-27 | 3.25E-23 |
| <i>CPSF6</i> | 0.55279326 | 1.75E-27 | 3.29E-23 |
| <i>COPS6</i> | 0.55265082 | 1.82E-27 | 3.42E-23 |
| <i>IARS</i> | 0.55250041 | 1.89E-27 | 3.55E-23 |
| <i>ALG8</i> | 0.55244131 | 1.92E-27 | 3.61E-23 |
| <i>TAF1A</i> | 0.55222798 | 2.03E-27 | 3.81E-23 |
| <i>NEIL3</i> | 0.55186033 | 2.23E-27 | 4.19E-23 |
| <i>TSEN15</i> | 0.55184908 | 2.24E-27 | 4.20E-23 |
| <i>KIF4A</i> | 0.5517315 | 2.31E-27 | 4.33E-23 |
| <i>HOMER1</i> | 0.55157037 | 2.41E-27 | 4.52E-23 |
| <i>CUL4A</i> | 0.55128225 | 2.59E-27 | 4.86E-23 |
| <i>HPRT1</i> | 0.55076153 | 2.96E-27 | 5.56E-23 |
| <i>HEATR1</i> | 0.55067112 | 3.03E-27 | 5.69E-23 |
| <i>TIGD4</i> | 0.5505851 | 3.10E-27 | 5.82E-23 |
| <i>ERCC6L</i> | 0.55045461 | 3.21E-27 | 6.02E-23 |
| <i>CCDC43</i> | 0.55030789 | 3.33E-27 | 6.25E-23 |
| <i>PAXIP1</i> | 0.55018327 | 3.44E-27 | 6.45E-23 |
| <i>GPR180</i> | 0.55010627 | 3.51E-27 | 6.58E-23 |
| <i>ZNF473</i> | 0.5499967 | 3.61E-27 | 6.77E-23 |
| <i>WDR4</i> | 0.54942693 | 4.18E-27 | 7.83E-23 |
| <i>SLC3A2</i> | 0.54938872 | 4.22E-27 | 7.91E-23 |
| <i>STMN1</i> | 0.54909327 | 4.55E-27 | 8.53E-23 |
| <i>MPP6</i> | 0.54902103 | 4.64E-27 | 8.69E-23 |
| <i>PTTG1</i> | 0.54878633 | 4.93E-27 | 9.23E-23 |
| <i>RALA</i> | 0.54866727 | 5.08E-27 | 9.51E-23 |
| <i>SLBP</i> | 0.54846641 | 5.35E-27 | 1.00E-22 |
| <i>EPR1</i> | 0.54846051 | 5.35E-27 | 1.00E-22 |
| <i>METTL11A</i> | 0.54821847 | 5.70E-27 | 1.07E-22 |
| <i>PYCR1</i> | 0.54814313 | 5.81E-27 | 1.09E-22 |
| <i>HSD17B10</i> | 0.54808731 | 5.89E-27 | 1.10E-22 |
| <i>MCM10</i> | 0.54792323 | 6.14E-27 | 1.15E-22 |

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| <i>RPGRIP1L</i> | 0.5479044 | 6.17E-27 | 1.16E-22 |
| <i>ZNF3</i> | 0.54767479 | 6.54E-27 | 1.22E-22 |
| <i>ACTR5</i> | 0.5475738 | 6.72E-27 | 1.26E-22 |
| <i>RHPN1</i> | 0.54754666 | 6.76E-27 | 1.27E-22 |
| <i>LY6G6D</i> | 0.54740324 | 7.01E-27 | 1.31E-22 |
| <i>DEK</i> | 0.54730762 | 7.19E-27 | 1.34E-22 |
| <i>C16orf88</i> | 0.54724071 | 7.31E-27 | 1.37E-22 |
| <i>CCDC138</i> | 0.5471686 | 7.45E-27 | 1.39E-22 |
| <i>HMMR</i> | 0.5470284 | 7.72E-27 | 1.44E-22 |
| <i>MORF4L2</i> | 0.54688303 | 8.01E-27 | 1.50E-22 |
| <i>MINA</i> | 0.54674366 | 8.30E-27 | 1.55E-22 |
| <i>NLE1</i> | 0.546502 | 8.82E-27 | 1.65E-22 |
| <i>C19orf48</i> | 0.54649029 | 8.85E-27 | 1.65E-22 |
| <i>AIMP2</i> | 0.54644729 | 8.95E-27 | 1.67E-22 |
| <i>BANF1</i> | 0.54608493 | 9.81E-27 | 1.83E-22 |
| <i>ZNF107</i> | 0.54594853 | 1.02E-26 | 1.90E-22 |
| <i>HNRNPL</i> | 0.54560476 | 1.11E-26 | 2.07E-22 |
| <i>RRP1</i> | 0.54548698 | 1.14E-26 | 2.13E-22 |
| <i>LIN9</i> | 0.54540579 | 1.17E-26 | 2.18E-22 |
| <i>EIF2S3</i> | 0.54525689 | 1.21E-26 | 2.26E-22 |
| <i>LOC1002721</i> | 0.54506179 | 1.27E-26 | 2.37E-22 |
| <i>STIP1</i> | 0.54493162 | 1.31E-26 | 2.45E-22 |
| <i>RPL7L1</i> | 0.54483283 | 1.35E-26 | 2.51E-22 |
| <i>RPUSD4</i> | 0.54480905 | 1.36E-26 | 2.53E-22 |
| <i>PAQR4</i> | 0.54479116 | 1.36E-26 | 2.54E-22 |
| <i>WNT2</i> | 0.54474674 | 1.38E-26 | 2.57E-22 |
| <i>COPS7B</i> | 0.54471526 | 1.39E-26 | 2.59E-22 |
| <i>NSMCE2</i> | 0.54471484 | 1.39E-26 | 2.59E-22 |
| <i>ASCL2</i> | 0.54467034 | 1.40E-26 | 2.62E-22 |
| <i>PTGES3</i> | 0.54460291 | 1.43E-26 | 2.66E-22 |
| <i>TSEN2</i> | 0.5445267 | 1.46E-26 | 2.72E-22 |
| <i>CPNE1</i> | 0.5445135 | 1.46E-26 | 2.72E-22 |
| <i>CSPP1</i> | 0.54416378 | 1.60E-26 | 2.97E-22 |
| <i>HCG18</i> | 0.54415576 | 1.60E-26 | 2.98E-22 |
| <i>C2orf56</i> | 0.5439405 | 1.69E-26 | 3.15E-22 |
| <i>NOM1</i> | 0.54370405 | 1.79E-26 | 3.34E-22 |
| <i>EMD</i> | 0.54345957 | 1.91E-26 | 3.55E-22 |
| <i>TMEM216</i> | 0.54345129 | 1.91E-26 | 3.56E-22 |
| <i>CBX2</i> | 0.54324997 | 2.01E-26 | 3.74E-22 |
| <i>RPL36A</i> | 0.54322924 | 2.02E-26 | 3.76E-22 |
| <i>TRMT6</i> | 0.54297648 | 2.15E-26 | 4.01E-22 |
| <i>GPN3</i> | 0.54296446 | 2.16E-26 | 4.02E-22 |
| <i>NUP205</i> | 0.54280989 | 2.24E-26 | 4.18E-22 |
| <i>PRPF4</i> | 0.54251791 | 2.41E-26 | 4.49E-22 |
| <i>BID</i> | 0.54207692 | 2.70E-26 | 5.02E-22 |
| <i>C19orf2</i> | 0.54204129 | 2.72E-26 | 5.06E-22 |
| <i>GRINA</i> | 0.54202487 | 2.73E-26 | 5.08E-22 |
| <i>KRIT1</i> | 0.54201619 | 2.74E-26 | 5.09E-22 |
| <i>CTPS</i> | 0.54195644 | 2.78E-26 | 5.17E-22 |
| <i>NFYB</i> | 0.54191176 | 2.81E-26 | 5.23E-22 |
| <i>NME2</i> | 0.54153147 | 3.09E-26 | 5.75E-22 |

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| <i>GINS2</i> | 0.54128013 | 3.29E-26 | 6.12E-22 |
| <i>QTRTD1</i> | 0.54107794 | 3.46E-26 | 6.44E-22 |
| <i>GABPB1</i> | 0.54081277 | 3.70E-26 | 6.88E-22 |
| <i>MRPL13</i> | 0.54034202 | 4.16E-26 | 7.73E-22 |
| <i>LOC1001909</i> | 0.54020303 | 4.30E-26 | 8.00E-22 |
| <i>WDR5</i> | 0.54001993 | 4.51E-26 | 8.38E-22 |
| <i>MRPL50</i> | 0.54000616 | 4.52E-26 | 8.40E-22 |
| <i>DHX34</i> | 0.53984368 | 4.71E-26 | 8.75E-22 |
| <i>DNMT3B</i> | 0.53954932 | 5.06E-26 | 9.41E-22 |
| <i>MGC72080</i> | 0.53929801 | 5.39E-26 | 1.00E-21 |
| <i>HSD17B7</i> | 0.53928484 | 5.41E-26 | 1.00E-21 |
| <i>PSAT1</i> | 0.53922626 | 5.49E-26 | 1.02E-21 |
| <i>PHF6</i> | 0.53916873 | 5.57E-26 | 1.03E-21 |
| <i>NDUFA4</i> | 0.53916711 | 5.57E-26 | 1.03E-21 |
| <i>FAM49B</i> | 0.53904498 | 5.74E-26 | 1.07E-21 |
| <i>SRPRB</i> | 0.53875582 | 6.17E-26 | 1.14E-21 |
| <i>SLC7A6</i> | 0.53867593 | 6.29E-26 | 1.17E-21 |
| <i>VBP1</i> | 0.53862395 | 6.37E-26 | 1.18E-21 |
| <i>CDCA4</i> | 0.53861811 | 6.38E-26 | 1.18E-21 |
| <i>C20orf111</i> | 0.53857321 | 6.45E-26 | 1.20E-21 |
| <i>RAD1</i> | 0.53821791 | 7.04E-26 | 1.31E-21 |
| <i>CTNBL1</i> | 0.53813073 | 7.20E-26 | 1.34E-21 |
| <i>DDX21</i> | 0.53812124 | 7.22E-26 | 1.34E-21 |
| <i>NAT9</i> | 0.53801985 | 7.40E-26 | 1.37E-21 |
| <i>BCCIP</i> | 0.53794988 | 7.53E-26 | 1.40E-21 |
| <i>PRSS22</i> | 0.53787972 | 7.66E-26 | 1.42E-21 |
| <i>GPR89A</i> | 0.53784954 | 7.72E-26 | 1.43E-21 |
| <i>PTRH2</i> | 0.53747514 | 8.46E-26 | 1.57E-21 |
| <i>GEMIN5</i> | 0.53743804 | 8.54E-26 | 1.58E-21 |
| <i>UPF3B</i> | 0.53736615 | 8.69E-26 | 1.61E-21 |
| <i>FUT1</i> | 0.53722397 | 9.00E-26 | 1.67E-21 |
| <i>MAGOH</i> | 0.53706952 | 9.35E-26 | 1.73E-21 |
| <i>PRR19</i> | 0.5369838 | 9.55E-26 | 1.77E-21 |
| <i>EIF2A</i> | 0.53622776 | 1.15E-25 | 2.13E-21 |
| <i>SAMD10</i> | 0.53616307 | 1.17E-25 | 2.17E-21 |
| <i>KIAA1549</i> | 0.53594208 | 1.23E-25 | 2.29E-21 |
| <i>NIF3L1</i> | 0.53586972 | 1.26E-25 | 2.33E-21 |
| <i>HDGF</i> | 0.53570414 | 1.31E-25 | 2.42E-21 |
| <i>PUS3</i> | 0.53567848 | 1.32E-25 | 2.44E-21 |
| <i>ACD</i> | 0.53560013 | 1.34E-25 | 2.49E-21 |
| <i>ZNF263</i> | 0.53547705 | 1.38E-25 | 2.56E-21 |
| <i>NFXL1</i> | 0.53496738 | 1.57E-25 | 2.90E-21 |
| <i>KIF2C</i> | 0.53493284 | 1.58E-25 | 2.93E-21 |
| <i>PCMTD2</i> | 0.53487283 | 1.60E-25 | 2.97E-21 |
| <i>FAM122B</i> | 0.5345077 | 1.75E-25 | 3.25E-21 |
| <i>RACGAP1</i> | 0.53445189 | 1.78E-25 | 3.29E-21 |
| <i>SRFBP1</i> | 0.53407291 | 1.95E-25 | 3.61E-21 |
| <i>C16orf59</i> | 0.53404711 | 1.96E-25 | 3.63E-21 |
| <i>NUDCD3</i> | 0.53379992 | 2.08E-25 | 3.85E-21 |
| <i>PSMG4</i> | 0.53341727 | 2.29E-25 | 4.23E-21 |
| <i>TBL2</i> | 0.53340371 | 2.30E-25 | 4.24E-21 |

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| <i>HAUS7</i> | 0.5332977 | 2.36E-25 | 4.35E-21 |
| <i>KIF14</i> | 0.53328733 | 2.36E-25 | 4.36E-21 |
| <i>MOCS3</i> | 0.53320308 | 2.41E-25 | 4.45E-21 |
| <i>MRP63</i> | 0.53319794 | 2.41E-25 | 4.46E-21 |
| <i>SNRPB</i> | 0.53300358 | 2.53E-25 | 4.68E-21 |
| <i>S100A2</i> | 0.53287338 | 2.61E-25 | 4.82E-21 |
| <i>FBXO45</i> | 0.53243869 | 2.90E-25 | 5.36E-21 |
| <i>TFB2M</i> | 0.53222386 | 3.06E-25 | 5.65E-21 |
| <i>ZNF74</i> | 0.53214875 | 3.11E-25 | 5.75E-21 |
| <i>SMYD3</i> | 0.53210693 | 3.14E-25 | 5.81E-21 |
| <i>PTCD1</i> | 0.53183822 | 3.36E-25 | 6.20E-21 |
| <i>CCNH</i> | 0.53168436 | 3.48E-25 | 6.43E-21 |
| <i>C11orf58</i> | 0.53168429 | 3.48E-25 | 6.43E-21 |
| <i>KIF20A</i> | 0.53167822 | 3.49E-25 | 6.44E-21 |
| <i>DNAJC9</i> | 0.5315411 | 3.61E-25 | 6.66E-21 |
| <i>COX19</i> | 0.53136854 | 3.76E-25 | 6.94E-21 |
| <i>C6orf167</i> | 0.53134088 | 3.79E-25 | 6.99E-21 |
| <i>PCBD1</i> | 0.53129185 | 3.83E-25 | 7.07E-21 |
| <i>NMD3</i> | 0.53048895 | 4.65E-25 | 8.57E-21 |
| <i>KIF18B</i> | 0.53029844 | 4.87E-25 | 8.98E-21 |
| <i>ZNF695</i> | 0.5302165 | 4.97E-25 | 9.15E-21 |
| <i>URB2</i> | 0.53017817 | 5.01E-25 | 9.24E-21 |
| <i>BUB3</i> | 0.53013646 | 5.06E-25 | 9.33E-21 |
| <i>ALG5</i> | 0.52998058 | 5.26E-25 | 9.68E-21 |
| <i>SDAD1</i> | 0.52997156 | 5.27E-25 | 9.70E-21 |
| <i>CDKN3</i> | 0.5298395 | 5.44E-25 | 1.00E-20 |
| <i>PDAP1</i> | 0.52970117 | 5.62E-25 | 1.04E-20 |
| <i>NSDHL</i> | 0.5296554 | 5.68E-25 | 1.05E-20 |
| <i>GPATCH2</i> | 0.52965033 | 5.69E-25 | 1.05E-20 |
| <i>ATP6V1C2</i> | 0.52964542 | 5.70E-25 | 1.05E-20 |
| <i>XPO4</i> | 0.52953412 | 5.85E-25 | 1.08E-20 |
| <i>SUV39H1</i> | 0.52944638 | 5.98E-25 | 1.10E-20 |
| <i>ATR</i> | 0.52921428 | 6.32E-25 | 1.16E-20 |
| <i>C20orf11</i> | 0.52918551 | 6.36E-25 | 1.17E-20 |
| <i>POLR1E</i> | 0.52903205 | 6.60E-25 | 1.21E-20 |
| <i>C6orf129</i> | 0.52891796 | 6.78E-25 | 1.25E-20 |
| <i>CST1</i> | 0.52873751 | 7.08E-25 | 1.30E-20 |
| <i>CCDC113</i> | 0.52867559 | 7.19E-25 | 1.32E-20 |
| <i>BIRC5</i> | 0.52863637 | 7.26E-25 | 1.34E-20 |
| <i>PPM1G</i> | 0.52845781 | 7.57E-25 | 1.39E-20 |
| <i>CARS2</i> | 0.5283912 | 7.70E-25 | 1.42E-20 |
| <i>ASF1B</i> | 0.52831202 | 7.84E-25 | 1.44E-20 |
| <i>RPL39</i> | 0.52823773 | 7.98E-25 | 1.47E-20 |
| <i>PPIAL4G</i> | 0.52773127 | 9.01E-25 | 1.66E-20 |
| <i>STARD3NL</i> | 0.52750107 | 9.52E-25 | 1.75E-20 |
| <i>GRHL3</i> | 0.52729443 | 1.00E-24 | 1.84E-20 |
| <i>MITD1</i> | 0.52719428 | 1.02E-24 | 1.88E-20 |
| <i>RNF43</i> | 0.52696149 | 1.08E-24 | 1.99E-20 |
| <i>MRPL48</i> | 0.52686395 | 1.11E-24 | 2.04E-20 |
| <i>DPH2</i> | 0.52671989 | 1.15E-24 | 2.11E-20 |
| <i>FAM176A</i> | 0.52653783 | 1.20E-24 | 2.20E-20 |

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| <i>ZCRB1</i> | 0.52624819 | 1.28E-24 | 2.36E-20 |
| <i>SMNDC1</i> | 0.52620918 | 1.30E-24 | 2.38E-20 |
| <i>NUP62CL</i> | 0.52528346 | 1.61E-24 | 2.96E-20 |
| <i>NCAPH</i> | 0.52520734 | 1.64E-24 | 3.01E-20 |
| <i>RNF32</i> | 0.52508026 | 1.69E-24 | 3.11E-20 |
| <i>TAF1B</i> | 0.5246061 | 1.89E-24 | 3.47E-20 |
| <i>DPM2</i> | 0.52444641 | 1.97E-24 | 3.61E-20 |
| <i>RHEBL1</i> | 0.5242996 | 2.04E-24 | 3.73E-20 |
| <i>BCL2L12</i> | 0.52373626 | 2.33E-24 | 4.26E-20 |
| <i>TRIT1</i> | 0.52358349 | 2.41E-24 | 4.42E-20 |
| <i>CDC45</i> | 0.52357058 | 2.42E-24 | 4.43E-20 |
| <i>RPN2</i> | 0.52353537 | 2.44E-24 | 4.47E-20 |
| <i>HDAC8</i> | 0.52353309 | 2.44E-24 | 4.47E-20 |
| <i>DPEP1</i> | 0.52340324 | 2.51E-24 | 4.61E-20 |
| <i>PTDSS1</i> | 0.52308345 | 2.71E-24 | 4.97E-20 |
| <i>GNB1L</i> | 0.52297419 | 2.78E-24 | 5.10E-20 |
| <i>POLR2G</i> | 0.52296921 | 2.79E-24 | 5.10E-20 |
| <i>PRPF19</i> | 0.52296539 | 2.79E-24 | 5.11E-20 |
| <i>GET4</i> | 0.52286902 | 2.85E-24 | 5.22E-20 |
| <i>C6orf125</i> | 0.52275018 | 2.93E-24 | 5.37E-20 |
| <i>H2AFV</i> | 0.52271663 | 2.96E-24 | 5.41E-20 |
| <i>NAA25</i> | 0.52190447 | 3.58E-24 | 6.55E-20 |
| <i>PABPC1L</i> | 0.52148006 | 3.95E-24 | 7.23E-20 |
| <i>RLIM</i> | 0.52144069 | 3.99E-24 | 7.30E-20 |
| <i>NSUN6</i> | 0.52129015 | 4.13E-24 | 7.56E-20 |
| <i>CDC25A</i> | 0.52125268 | 4.17E-24 | 7.62E-20 |
| <i>EME1</i> | 0.52119777 | 4.22E-24 | 7.72E-20 |
| <i>MED4</i> | 0.52074947 | 4.68E-24 | 8.57E-20 |
| <i>CNPY2</i> | 0.52069084 | 4.75E-24 | 8.68E-20 |
| <i>BOP1</i> | 0.52064525 | 4.80E-24 | 8.78E-20 |
| <i>SRM</i> | 0.52054039 | 4.92E-24 | 8.99E-20 |
| <i>POLB</i> | 0.52040164 | 5.08E-24 | 9.29E-20 |
| <i>NCAPG</i> | 0.52029875 | 5.20E-24 | 9.51E-20 |
| <i>KIAA1199</i> | 0.52017884 | 5.35E-24 | 9.78E-20 |
| <i>PPIG</i> | 0.52004765 | 5.52E-24 | 1.01E-19 |
| <i>GLS2</i> | 0.5199342 | 5.66E-24 | 1.03E-19 |
| <i>SND1</i> | 0.5197662 | 5.89E-24 | 1.08E-19 |
| <i>ICA1</i> | 0.5196348 | 6.07E-24 | 1.11E-19 |
| <i>TMEM67</i> | 0.51950804 | 6.26E-24 | 1.14E-19 |
| <i>GPN1</i> | 0.51940947 | 6.40E-24 | 1.17E-19 |
| <i>PABPC1</i> | 0.51940407 | 6.41E-24 | 1.17E-19 |
| <i>RPS6KL1</i> | 0.51938277 | 6.44E-24 | 1.18E-19 |
| <i>CDC6</i> | 0.51932565 | 6.53E-24 | 1.19E-19 |
| <i>KIFC1</i> | 0.51929491 | 6.57E-24 | 1.20E-19 |
| <i>SF3B14</i> | 0.51918956 | 6.74E-24 | 1.23E-19 |
| <i>TRIM59</i> | 0.51884138 | 7.30E-24 | 1.33E-19 |
| <i>TMEM68</i> | 0.51883371 | 7.32E-24 | 1.33E-19 |
| <i>C2orf49</i> | 0.51880307 | 7.37E-24 | 1.34E-19 |
| <i>VPS72</i> | 0.51871525 | 7.52E-24 | 1.37E-19 |
| <i>NUDT21</i> | 0.51856349 | 7.79E-24 | 1.42E-19 |
| <i>SHCBP1</i> | 0.51854928 | 7.81E-24 | 1.43E-19 |

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| <i>KIF20B</i> | 0.51833895 | 8.20E-24 | 1.50E-19 |
| <i>BRCA1</i> | 0.51830355 | 8.27E-24 | 1.51E-19 |
| <i>PRPS2</i> | 0.51782406 | 9.24E-24 | 1.68E-19 |
| <i>LBR</i> | 0.51782199 | 9.25E-24 | 1.69E-19 |
| <i>UBE2S</i> | 0.51780712 | 9.28E-24 | 1.69E-19 |
| <i>AZIN1</i> | 0.51778974 | 9.32E-24 | 1.70E-19 |
| <i>POLE3</i> | 0.51767886 | 9.56E-24 | 1.74E-19 |
| <i>ZNF443</i> | 0.51753835 | 9.87E-24 | 1.80E-19 |
| <i>DNTTIP2</i> | 0.51751131 | 9.93E-24 | 1.81E-19 |
| <i>G6PC3</i> | 0.51671899 | 1.19E-23 | 2.17E-19 |
| <i>DOM3Z</i> | 0.51662574 | 1.22E-23 | 2.22E-19 |
| <i>SFTA2</i> | 0.51639771 | 1.28E-23 | 2.34E-19 |
| <i>ZNF239</i> | 0.51639503 | 1.28E-23 | 2.34E-19 |
| <i>ZNF593</i> | 0.5163584 | 1.30E-23 | 2.36E-19 |
| <i>SASS6</i> | 0.51625876 | 1.33E-23 | 2.41E-19 |
| <i>RBAK</i> | 0.51612753 | 1.37E-23 | 2.49E-19 |
| <i>STK31</i> | 0.51582668 | 1.46E-23 | 2.66E-19 |
| <i>QSOX2</i> | 0.51561536 | 1.54E-23 | 2.79E-19 |
| <i>KIF9</i> | 0.51559414 | 1.54E-23 | 2.81E-19 |
| <i>ANAPC13</i> | 0.51552126 | 1.57E-23 | 2.86E-19 |
| <i>ZCCHC9</i> | 0.51550114 | 1.58E-23 | 2.87E-19 |
| <i>C4orf46</i> | 0.51524579 | 1.67E-23 | 3.04E-19 |
| <i>TFAM</i> | 0.51519321 | 1.69E-23 | 3.08E-19 |
| <i>PTPLAD1</i> | 0.51517721 | 1.70E-23 | 3.09E-19 |
| <i>POLQ</i> | 0.51503047 | 1.76E-23 | 3.19E-19 |
| <i>PUS7L</i> | 0.51500962 | 1.77E-23 | 3.21E-19 |
| <i>HN1L</i> | 0.5148427 | 1.83E-23 | 3.33E-19 |
| <i>C17orf53</i> | 0.51439841 | 2.03E-23 | 3.69E-19 |
| <i>PTP4A3</i> | 0.51427573 | 2.09E-23 | 3.79E-19 |
| <i>POT1</i> | 0.51411829 | 2.17E-23 | 3.93E-19 |
| <i>SF3B3</i> | 0.51380006 | 2.33E-23 | 4.22E-19 |
| <i>STRAP</i> | 0.51358922 | 2.44E-23 | 4.43E-19 |
| <i>BLM</i> | 0.51355762 | 2.46E-23 | 4.46E-19 |
| <i>RAB22A</i> | 0.51354073 | 2.47E-23 | 4.48E-19 |
| <i>ZNF251</i> | 0.51325111 | 2.64E-23 | 4.78E-19 |
| <i>CCNJ</i> | 0.51313498 | 2.71E-23 | 4.91E-19 |
| <i>LOC1001309</i> | 0.51290132 | 2.86E-23 | 5.18E-19 |
| <i>CENPE</i> | 0.51289935 | 2.86E-23 | 5.18E-19 |
| <i>CDC16</i> | 0.51286936 | 2.88E-23 | 5.22E-19 |
| <i>C15orf23</i> | 0.51273206 | 2.97E-23 | 5.38E-19 |
| <i>SLC35B2</i> | 0.51272945 | 2.97E-23 | 5.38E-19 |
| <i>CD46</i> | 0.51248563 | 3.14E-23 | 5.69E-19 |
| <i>RSRC1</i> | 0.51231435 | 3.26E-23 | 5.91E-19 |
| <i>PLK1</i> | 0.51225061 | 3.31E-23 | 6.00E-19 |
| <i>PRMT1</i> | 0.5122053 | 3.35E-23 | 6.06E-19 |
| <i>C8orf33</i> | 0.51209193 | 3.43E-23 | 6.22E-19 |
| <i>TOPBP1</i> | 0.51183764 | 3.64E-23 | 6.59E-19 |
| <i>DCLRE1A</i> | 0.51155438 | 3.88E-23 | 7.02E-19 |
| <i>PSPC1</i> | 0.51153074 | 3.90E-23 | 7.06E-19 |
| <i>TMEM9</i> | 0.51144312 | 3.98E-23 | 7.20E-19 |
| <i>DLEU2</i> | 0.51140613 | 4.01E-23 | 7.26E-19 |

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| <i>TGFBI</i> | 0.51120225 | 4.20E-23 | 7.60E-19 |
| <i>AKNAD1</i> | 0.51119998 | 4.20E-23 | 7.60E-19 |
| <i>PTPN12</i> | 0.5107518 | 4.65E-23 | 8.41E-19 |
| <i>TIA1</i> | 0.51055128 | 4.87E-23 | 8.80E-19 |
| <i>SLMO1</i> | 0.51042176 | 5.01E-23 | 9.06E-19 |
| <i>ACCN2</i> | 0.5101654 | 5.31E-23 | 9.59E-19 |
| <i>FAM136A</i> | 0.51001856 | 5.49E-23 | 9.92E-19 |
| <i>EXOSC4</i> | 0.50987829 | 5.66E-23 | 1.02E-18 |
| <i>ZNF7</i> | 0.50985509 | 5.69E-23 | 1.03E-18 |
| <i>GATAD1</i> | 0.50980045 | 5.76E-23 | 1.04E-18 |
| <i>TOP1P2</i> | 0.50968486 | 5.91E-23 | 1.07E-18 |
| <i>SPIN4</i> | 0.50952678 | 6.13E-23 | 1.11E-18 |
| <i>HAUS5</i> | 0.50949905 | 6.17E-23 | 1.11E-18 |
| <i>EIF2B3</i> | 0.50942848 | 6.27E-23 | 1.13E-18 |
| <i>SFRS1</i> | 0.50938102 | 6.33E-23 | 1.14E-18 |
| <i>CENPI</i> | 0.50937962 | 6.33E-23 | 1.14E-18 |
| <i>CKAP2L</i> | 0.50937906 | 6.34E-23 | 1.14E-18 |
| <i>NAP1L4</i> | 0.50923431 | 6.54E-23 | 1.18E-18 |
| <i>CUL1</i> | 0.50921565 | 6.57E-23 | 1.19E-18 |
| <i>PEX3</i> | 0.50919107 | 6.61E-23 | 1.19E-18 |
| <i>INTS7</i> | 0.50917628 | 6.63E-23 | 1.20E-18 |
| <i>MPV17</i> | 0.50915507 | 6.66E-23 | 1.20E-18 |
| <i>C13orf23</i> | 0.509057 | 6.81E-23 | 1.23E-18 |
| <i>ZDHHC4</i> | 0.50898225 | 6.93E-23 | 1.25E-18 |
| <i>TAF9</i> | 0.50888085 | 7.09E-23 | 1.28E-18 |
| <i>NTHL1</i> | 0.50884518 | 7.14E-23 | 1.29E-18 |
| <i>RPL8</i> | 0.50881605 | 7.19E-23 | 1.30E-18 |
| <i>NKAP</i> | 0.50878861 | 7.23E-23 | 1.31E-18 |
| <i>NCAPD3</i> | 0.50868403 | 7.41E-23 | 1.34E-18 |
| <i>C3orf17</i> | 0.50862756 | 7.50E-23 | 1.35E-18 |
| <i>C14orf79</i> | 0.50853273 | 7.66E-23 | 1.38E-18 |
| <i>TMEM147</i> | 0.50840226 | 7.89E-23 | 1.42E-18 |
| <i>PPP2R3B</i> | 0.50831827 | 8.04E-23 | 1.45E-18 |
| <i>FANCF</i> | 0.50830191 | 8.07E-23 | 1.45E-18 |
| <i>CCNB2</i> | 0.50816932 | 8.31E-23 | 1.50E-18 |
| <i>COIL</i> | 0.50767914 | 9.27E-23 | 1.67E-18 |
| <i>EXO1</i> | 0.50757121 | 9.50E-23 | 1.71E-18 |
| <i>GTPBP5</i> | 0.50735971 | 9.96E-23 | 1.79E-18 |
| <i>JPH1</i> | 0.5073423 | 1.00E-22 | 1.80E-18 |
| <i>CEP72</i> | 0.50698853 | 1.08E-22 | 1.95E-18 |
| <i>PTTG3P</i> | 0.50696165 | 1.09E-22 | 1.96E-18 |
| <i>TRNT1</i> | 0.50690225 | 1.10E-22 | 1.99E-18 |
| <i>KPNA2</i> | 0.50674141 | 1.14E-22 | 2.06E-18 |
| <i>TRIM27</i> | 0.50666796 | 1.16E-22 | 2.09E-18 |
| <i>BCAP31</i> | 0.50648444 | 1.21E-22 | 2.18E-18 |
| <i>PMAIP1</i> | 0.50631585 | 1.26E-22 | 2.26E-18 |
| <i>NMB</i> | 0.50614866 | 1.30E-22 | 2.35E-18 |
| <i>NOTUM</i> | 0.50592732 | 1.37E-22 | 2.46E-18 |
| <i>ZNF146</i> | 0.50592214 | 1.37E-22 | 2.47E-18 |
| <i>PKMYT1</i> | 0.50582258 | 1.40E-22 | 2.52E-18 |
| <i>SFRS2</i> | 0.50557513 | 1.48E-22 | 2.66E-18 |

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| <i>DDX47</i> | 0.50524843 | 1.59E-22 | 2.86E-18 |
| <i>ARMC6</i> | 0.50487308 | 1.73E-22 | 3.11E-18 |
| <i>ERH</i> | 0.50451051 | 1.88E-22 | 3.37E-18 |
| <i>TRMT61A</i> | 0.50427515 | 1.98E-22 | 3.55E-18 |
| <i>CRCP</i> | 0.50401802 | 2.09E-22 | 3.75E-18 |
| <i>EIF5A2</i> | 0.5038652 | 2.16E-22 | 3.88E-18 |
| <i>TIMM9</i> | 0.50370506 | 2.24E-22 | 4.02E-18 |
| <i>LAGE3</i> | 0.50352453 | 2.33E-22 | 4.18E-18 |
| <i>C1orf107</i> | 0.50352173 | 2.33E-22 | 4.19E-18 |
| <i>PRIM1</i> | 0.50330065 | 2.45E-22 | 4.39E-18 |
| <i>LSG1</i> | 0.50298148 | 2.63E-22 | 4.71E-18 |
| <i>CENPJ</i> | 0.50269426 | 2.80E-22 | 5.02E-18 |
| <i>RPS24</i> | 0.50265907 | 2.82E-22 | 5.06E-18 |
| <i>RAD54L</i> | 0.50261597 | 2.85E-22 | 5.11E-18 |
| <i>MLXIPL</i> | 0.50253086 | 2.90E-22 | 5.20E-18 |
| <i>NUP85</i> | 0.50250198 | 2.92E-22 | 5.23E-18 |
| <i>ATP5E</i> | 0.5024128 | 2.98E-22 | 5.34E-18 |
| <i>NPM3</i> | 0.50233437 | 3.03E-22 | 5.43E-18 |
| <i>CCNA2</i> | 0.50232837 | 3.03E-22 | 5.44E-18 |
| <i>ILKAP</i> | 0.50206366 | 3.22E-22 | 5.76E-18 |
| <i>EIF5B</i> | 0.50170241 | 3.48E-22 | 6.23E-18 |
| <i>RCN2</i> | 0.50169222 | 3.49E-22 | 6.25E-18 |
| <i>GPR172A</i> | 0.50162861 | 3.54E-22 | 6.33E-18 |
| <i>RFT1</i> | 0.50154839 | 3.60E-22 | 6.45E-18 |
| <i>HYAL3</i> | 0.50134119 | 3.77E-22 | 6.74E-18 |
| <i>PRPF3</i> | 0.5012602 | 3.84E-22 | 6.86E-18 |
| <i>RAD23A</i> | 0.50110373 | 3.97E-22 | 7.10E-18 |
| <i>SFPQ</i> | 0.50064049 | 4.39E-22 | 7.86E-18 |
| <i>DNAJC19</i> | 0.5006064 | 4.43E-22 | 7.91E-18 |
| <i>RPS20</i> | 0.50033776 | 4.69E-22 | 8.39E-18 |
| <i>SOX4</i> | 0.50021808 | 4.82E-22 | 8.61E-18 |
| <i>LY6G6E</i> | 0.50015605 | 4.88E-22 | 8.73E-18 |
| <i>COPS5</i> | 0.50012194 | 4.92E-22 | 8.79E-18 |
| <i>E2F4</i> | 0.50009057 | 4.95E-22 | 8.85E-18 |
| <i>ZNF643</i> | 0.50002624 | 5.02E-22 | 8.97E-18 |
| <i>SMS</i> | 0.50001984 | 5.03E-22 | 8.99E-18 |
| <i>SEPHS1</i> | 0.49972083 | 5.37E-22 | 9.59E-18 |
| <i>TAZ</i> | 0.49969655 | 5.40E-22 | 9.64E-18 |
| <i>NOL7</i> | 0.4996264 | 5.48E-22 | 9.78E-18 |
| <i>RSL24D1</i> | 0.49942972 | 5.72E-22 | 1.02E-17 |
| <i>IFT52</i> | 0.49937003 | 5.79E-22 | 1.03E-17 |
| <i>LRRC36</i> | 0.49936139 | 5.80E-22 | 1.04E-17 |
| <i>PSMD6</i> | 0.49926828 | 5.92E-22 | 1.06E-17 |
| <i>ZNF200</i> | 0.49905405 | 6.21E-22 | 1.11E-17 |
| <i>BUB1B</i> | 0.49903096 | 6.24E-22 | 1.11E-17 |
| <i>MRPS10</i> | 0.49880915 | 6.54E-22 | 1.17E-17 |
| <i>CHCHD7</i> | 0.49876871 | 6.60E-22 | 1.18E-17 |
| <i>XRCC5</i> | 0.49866303 | 6.76E-22 | 1.20E-17 |
| <i>HNRNPK</i> | 0.49847258 | 7.04E-22 | 1.26E-17 |
| <i>BFSP1</i> | 0.49841806 | 7.12E-22 | 1.27E-17 |
| <i>ILF3</i> | 0.49817269 | 7.51E-22 | 1.34E-17 |

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| <i>PSRC1</i> | 0.49812267 | 7.60E-22 | 1.35E-17 |
| <i>C6orf48</i> | 0.49797624 | 7.84E-22 | 1.40E-17 |
| <i>DUS3L</i> | 0.49793809 | 7.90E-22 | 1.41E-17 |
| <i>TRMT61B</i> | 0.49782734 | 8.10E-22 | 1.44E-17 |
| <i>MTFR1</i> | 0.49779653 | 8.15E-22 | 1.45E-17 |
| <i>CREBZF</i> | 0.49775381 | 8.23E-22 | 1.47E-17 |
| <i>ERGIC3</i> | 0.49719561 | 9.28E-22 | 1.65E-17 |
| <i>GNL2</i> | 0.49706645 | 9.54E-22 | 1.70E-17 |
| <i>HNRNPC</i> | 0.49705966 | 9.56E-22 | 1.70E-17 |
| <i>SUZ12P</i> | 0.49684957 | 1.00E-21 | 1.78E-17 |
| <i>TIMM17B</i> | 0.49681378 | 1.01E-21 | 1.79E-17 |
| <i>FARSA</i> | 0.49679347 | 1.01E-21 | 1.80E-17 |
| <i>ADNP</i> | 0.49676328 | 1.02E-21 | 1.81E-17 |
| <i>ATG9B</i> | 0.49669659 | 1.03E-21 | 1.84E-17 |
| <i>MOSPD1</i> | 0.49666112 | 1.04E-21 | 1.85E-17 |
| <i>KNTC1</i> | 0.49666029 | 1.04E-21 | 1.85E-17 |
| <i>IQGAP3</i> | 0.49657884 | 1.06E-21 | 1.89E-17 |
| <i>RPS18</i> | 0.49636675 | 1.11E-21 | 1.97E-17 |
| <i>WNT3</i> | 0.49634767 | 1.11E-21 | 1.98E-17 |
| <i>LOC646851</i> | 0.49616433 | 1.16E-21 | 2.06E-17 |
| <i>TOMM40</i> | 0.49613276 | 1.17E-21 | 2.08E-17 |
| <i>SBDSP1</i> | 0.49612749 | 1.17E-21 | 2.08E-17 |
| <i>MPHOSPH6</i> | 0.49597251 | 1.21E-21 | 2.15E-17 |
| <i>ABT1</i> | 0.49595356 | 1.21E-21 | 2.16E-17 |
| <i>SNORA8</i> | 0.49593011 | 1.22E-21 | 2.17E-17 |
| <i>RCN1</i> | 0.49587049 | 1.23E-21 | 2.20E-17 |
| <i>HMGA1</i> | 0.49558501 | 1.31E-21 | 2.33E-17 |
| <i>SULT2B1</i> | 0.49554652 | 1.32E-21 | 2.35E-17 |
| <i>RPS15A</i> | 0.49546219 | 1.35E-21 | 2.40E-17 |
| <i>ATP5EP2</i> | 0.49494512 | 1.51E-21 | 2.68E-17 |
| <i>CLIC1</i> | 0.49484606 | 1.54E-21 | 2.73E-17 |
| <i>PAN3</i> | 0.49453526 | 1.64E-21 | 2.92E-17 |
| <i>NOL11</i> | 0.4944215 | 1.69E-21 | 2.99E-17 |
| <i>CCNE1</i> | 0.49428905 | 1.73E-21 | 3.08E-17 |
| <i>SNHG4</i> | 0.4941569 | 1.78E-21 | 3.16E-17 |
| <i>C1orf105</i> | 0.49406124 | 1.82E-21 | 3.23E-17 |
| <i>NOP14</i> | 0.49401212 | 1.84E-21 | 3.26E-17 |
| <i>ASPM</i> | 0.49376547 | 1.94E-21 | 3.44E-17 |
| <i>PRKRA</i> | 0.49371471 | 1.96E-21 | 3.48E-17 |
| <i>PTCD3</i> | 0.49364662 | 1.99E-21 | 3.53E-17 |
| <i>SAP18</i> | 0.49364029 | 1.99E-21 | 3.53E-17 |
| <i>FAM72D</i> | 0.49357198 | 2.02E-21 | 3.58E-17 |
| <i>GTSE1</i> | 0.49354772 | 2.03E-21 | 3.60E-17 |
| <i>C9orf43</i> | 0.49351371 | 2.05E-21 | 3.63E-17 |
| <i>LOC341056</i> | 0.49284695 | 2.36E-21 | 4.18E-17 |
| <i>MRPS31</i> | 0.49263127 | 2.47E-21 | 4.37E-17 |
| <i>VKORC1L1</i> | 0.49254581 | 2.51E-21 | 4.45E-17 |
| <i>CSNK2A2</i> | 0.49252576 | 2.52E-21 | 4.47E-17 |
| <i>VWA2</i> | 0.49231537 | 2.64E-21 | 4.68E-17 |
| <i>C19orf28</i> | 0.49226173 | 2.67E-21 | 4.73E-17 |
| <i>LUC7L3</i> | 0.49213094 | 2.75E-21 | 4.86E-17 |

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| <i>DONSON</i> | 0.49205279 | 2.79E-21 | 4.94E-17 |
| <i>CHTF18</i> | 0.49203069 | 2.80E-21 | 4.97E-17 |
| <i>PCNA</i> | 0.49199072 | 2.83E-21 | 5.01E-17 |
| <i>GIN53</i> | 0.4919509 | 2.85E-21 | 5.05E-17 |
| <i>ERGIC2</i> | 0.49194663 | 2.86E-21 | 5.05E-17 |
| <i>TXNDC12</i> | 0.49191127 | 2.88E-21 | 5.09E-17 |
| <i>ATRIP</i> | 0.49189434 | 2.89E-21 | 5.11E-17 |
| <i>SMOX</i> | 0.49176135 | 2.97E-21 | 5.25E-17 |
| <i>WRNIP1</i> | 0.49172862 | 2.99E-21 | 5.29E-17 |
| <i>SNRPA</i> | 0.49161305 | 3.06E-21 | 5.42E-17 |
| <i>C19orf45</i> | 0.49156657 | 3.10E-21 | 5.48E-17 |
| <i>CENPF</i> | 0.49153953 | 3.11E-21 | 5.51E-17 |
| <i>MRPS33</i> | 0.49128178 | 3.29E-21 | 5.81E-17 |
| <i>ACSL6</i> | 0.49099834 | 3.49E-21 | 6.17E-17 |
| <i>MTPAP</i> | 0.49096906 | 3.51E-21 | 6.21E-17 |
| <i>THAP10</i> | 0.49076233 | 3.67E-21 | 6.48E-17 |
| <i>FUS</i> | 0.49060475 | 3.79E-21 | 6.70E-17 |
| <i>CHORDC1</i> | 0.49051916 | 3.86E-21 | 6.82E-17 |
| <i>FJX1</i> | 0.49049848 | 3.88E-21 | 6.85E-17 |
| <i>SLC29A1</i> | 0.49034033 | 4.01E-21 | 7.08E-17 |
| <i>C1orf35</i> | 0.48990411 | 4.40E-21 | 7.77E-17 |
| <i>RUVBL2</i> | 0.48989368 | 4.41E-21 | 7.78E-17 |
| <i>TYW1</i> | 0.48965578 | 4.64E-21 | 8.18E-17 |
| <i>AP1S1</i> | 0.48960825 | 4.68E-21 | 8.26E-17 |
| <i>C11orf57</i> | 0.48942966 | 4.86E-21 | 8.58E-17 |
| <i>STK3</i> | 0.48925407 | 5.04E-21 | 8.90E-17 |
| <i>ZNF131</i> | 0.48898853 | 5.33E-21 | 9.40E-17 |
| <i>UFM1</i> | 0.48887304 | 5.47E-21 | 9.63E-17 |
| <i>NACAP1</i> | 0.48887254 | 5.47E-21 | 9.63E-17 |
| <i>PLOD3</i> | 0.48871986 | 5.64E-21 | 9.95E-17 |
| <i>CTCFL</i> | 0.48861779 | 5.77E-21 | 1.02E-16 |
| <i>ALKBH2</i> | 0.48857292 | 5.82E-21 | 1.03E-16 |
| <i>PDE7A</i> | 0.48853152 | 5.87E-21 | 1.03E-16 |
| <i>ODC1</i> | 0.48845031 | 5.97E-21 | 1.05E-16 |
| <i>WIPI2</i> | 0.48839654 | 6.04E-21 | 1.06E-16 |
| <i>LSM12</i> | 0.48834376 | 6.11E-21 | 1.08E-16 |
| <i>PSMC3IP</i> | 0.48809494 | 6.43E-21 | 1.13E-16 |
| <i>WDR66</i> | 0.48789367 | 6.71E-21 | 1.18E-16 |
| <i>ENOX2</i> | 0.4878573 | 6.76E-21 | 1.19E-16 |
| <i>POLA1</i> | 0.48783363 | 6.80E-21 | 1.20E-16 |
| <i>ACBD7</i> | 0.48764587 | 7.07E-21 | 1.24E-16 |
| <i>PABPC3</i> | 0.4875395 | 7.23E-21 | 1.27E-16 |
| <i>DPY19L4</i> | 0.48730367 | 7.59E-21 | 1.34E-16 |
| <i>MTHFD2</i> | 0.48717608 | 7.80E-21 | 1.37E-16 |
| <i>SSRP1</i> | 0.48713612 | 7.86E-21 | 1.38E-16 |
| <i>ZC3HC1</i> | 0.48706375 | 7.98E-21 | 1.40E-16 |
| <i>LUC7L2</i> | 0.48649306 | 8.99E-21 | 1.58E-16 |
| <i>SMPD4</i> | 0.48648447 | 9.01E-21 | 1.58E-16 |
| <i>RRM2</i> | 0.48634922 | 9.27E-21 | 1.63E-16 |
| <i>LYPLA1</i> | 0.48619715 | 9.57E-21 | 1.68E-16 |
| <i>OVGP1</i> | 0.48615319 | 9.65E-21 | 1.70E-16 |

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| <i>CTPS2</i> | 0.48614523 | 9.67E-21 | 1.70E-16 |
| <i>GTPBP3</i> | 0.48596141 | 1.00E-20 | 1.76E-16 |
| <i>AREG</i> | 0.48595815 | 1.01E-20 | 1.77E-16 |
| <i>FDX1L</i> | 0.48582369 | 1.03E-20 | 1.82E-16 |
| <i>C9orf100</i> | 0.48581807 | 1.04E-20 | 1.82E-16 |
| <i>PERP</i> | 0.48549045 | 1.11E-20 | 1.94E-16 |
| <i>VRK1</i> | 0.48538173 | 1.13E-20 | 1.99E-16 |
| <i>FASTKD2</i> | 0.4850684 | 1.21E-20 | 2.12E-16 |
| <i>C16orf61</i> | 0.48502838 | 1.22E-20 | 2.14E-16 |
| <i>GPR19</i> | 0.48497881 | 1.23E-20 | 2.16E-16 |
| <i>NEDD1</i> | 0.48492151 | 1.25E-20 | 2.19E-16 |
| <i>PDCL3</i> | 0.48464294 | 1.32E-20 | 2.32E-16 |
| <i>SIM2</i> | 0.4843884 | 1.39E-20 | 2.44E-16 |
| <i>E2F7</i> | 0.48434012 | 1.41E-20 | 2.47E-16 |
| <i>NSUN5P2</i> | 0.48427489 | 1.43E-20 | 2.50E-16 |
| <i>C16orf13</i> | 0.48414996 | 1.46E-20 | 2.56E-16 |
| <i>ZNRF3</i> | 0.48411917 | 1.47E-20 | 2.58E-16 |
| <i>RBL1</i> | 0.4840817 | 1.48E-20 | 2.60E-16 |
| <i>LDLRAD3</i> | 0.48392621 | 1.53E-20 | 2.68E-16 |
| <i>RPL35A</i> | 0.48387146 | 1.55E-20 | 2.72E-16 |
| <i>C20orf4</i> | 0.48384218 | 1.56E-20 | 2.73E-16 |
| <i>SMARCC1</i> | 0.48380578 | 1.57E-20 | 2.75E-16 |
| <i>SFRS6</i> | 0.48369518 | 1.61E-20 | 2.82E-16 |
| <i>HNRNPA1L2</i> | 0.4836642 | 1.62E-20 | 2.83E-16 |
| <i>CDC25B</i> | 0.48306564 | 1.83E-20 | 3.20E-16 |
| <i>PDDC1</i> | 0.48287263 | 1.90E-20 | 3.33E-16 |
| <i>MRPL4</i> | 0.48284564 | 1.92E-20 | 3.35E-16 |
| <i>FAM98A</i> | 0.48257898 | 2.02E-20 | 3.54E-16 |
| <i>SS18L1</i> | 0.48251133 | 2.05E-20 | 3.59E-16 |
| <i>SLC25A26</i> | 0.48248229 | 2.06E-20 | 3.61E-16 |
| <i>RYK</i> | 0.48221691 | 2.18E-20 | 3.81E-16 |
| <i>C21orf45</i> | 0.48209841 | 2.23E-20 | 3.90E-16 |
| <i>CEBPB</i> | 0.48199949 | 2.28E-20 | 3.98E-16 |
| <i>PMPCB</i> | 0.48183353 | 2.36E-20 | 4.12E-16 |
| <i>LOC1001347</i> | 0.48167159 | 2.44E-20 | 4.26E-16 |
| <i>NUSAP1</i> | 0.4815695 | 2.49E-20 | 4.35E-16 |
| <i>SCLY</i> | 0.48145933 | 2.55E-20 | 4.45E-16 |
| <i>GLMN</i> | 0.48143141 | 2.56E-20 | 4.47E-16 |
| <i>PSMA3</i> | 0.48134824 | 2.61E-20 | 4.55E-16 |
| <i>SLC35C2</i> | 0.48132235 | 2.62E-20 | 4.57E-16 |
| <i>POLR2J</i> | 0.48129876 | 2.63E-20 | 4.60E-16 |
| <i>TDGF1</i> | 0.48120919 | 2.68E-20 | 4.68E-16 |
| <i>DDX28</i> | 0.48115561 | 2.71E-20 | 4.73E-16 |
| <i>POLE2</i> | 0.48108558 | 2.75E-20 | 4.80E-16 |
| <i>TTF2</i> | 0.48102334 | 2.78E-20 | 4.86E-16 |
| <i>ZNF692</i> | 0.48085839 | 2.88E-20 | 5.03E-16 |
| <i>BCS1L</i> | 0.48080827 | 2.91E-20 | 5.08E-16 |
| <i>FUNDC1</i> | 0.48071544 | 2.97E-20 | 5.18E-16 |
| <i>ZNHIT3</i> | 0.48067683 | 2.99E-20 | 5.22E-16 |
| <i>TRIAP1</i> | 0.4806089 | 3.03E-20 | 5.29E-16 |
| <i>SCD</i> | 0.48056151 | 3.06E-20 | 5.34E-16 |

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| <i>TDGF3</i> | 0.48052449 | 3.08E-20 | 5.38E-16 |
| <i>HSPBAP1</i> | 0.48042027 | 3.15E-20 | 5.49E-16 |
| <i>MAPRE1</i> | 0.4803838 | 3.17E-20 | 5.53E-16 |
| <i>SUMO1</i> | 0.48030497 | 3.23E-20 | 5.62E-16 |
| <i>TRAF5</i> | 0.48028763 | 3.24E-20 | 5.64E-16 |
| <i>NSMCE1</i> | 0.48026689 | 3.25E-20 | 5.67E-16 |
| <i>ASB9</i> | 0.48006951 | 3.38E-20 | 5.90E-16 |
| <i>C8orf51</i> | 0.48003375 | 3.41E-20 | 5.94E-16 |
| <i>DHCR7</i> | 0.47999803 | 3.43E-20 | 5.98E-16 |
| <i>DTL</i> | 0.47950376 | 3.80E-20 | 6.62E-16 |
| <i>WBP4</i> | 0.47944803 | 3.84E-20 | 6.69E-16 |
| <i>C4orf21</i> | 0.47942479 | 3.86E-20 | 6.72E-16 |
| <i>C10orf35</i> | 0.47932663 | 3.94E-20 | 6.86E-16 |
| <i>DYNLRB1</i> | 0.47892635 | 4.27E-20 | 7.44E-16 |
| <i>NKD1</i> | 0.4788407 | 4.35E-20 | 7.57E-16 |
| <i>CYB5B</i> | 0.47870561 | 4.47E-20 | 7.78E-16 |
| <i>CCDC150</i> | 0.47847506 | 4.68E-20 | 8.15E-16 |
| <i>GDF15</i> | 0.47845805 | 4.70E-20 | 8.18E-16 |
| <i>AGK</i> | 0.478378 | 4.78E-20 | 8.31E-16 |
| <i>DSCR6</i> | 0.47829665 | 4.86E-20 | 8.45E-16 |
| <i>IFT81</i> | 0.47824865 | 4.90E-20 | 8.53E-16 |
| <i>THOC3</i> | 0.4782017 | 4.95E-20 | 8.61E-16 |
| <i>FLAD1</i> | 0.47814495 | 5.01E-20 | 8.71E-16 |
| <i>EREG</i> | 0.47811119 | 5.04E-20 | 8.77E-16 |
| <i>COMMD7</i> | 0.4780237 | 5.13E-20 | 8.93E-16 |
| <i>TOMM20</i> | 0.47793829 | 5.22E-20 | 9.08E-16 |
| <i>CCDC77</i> | 0.47778357 | 5.39E-20 | 9.37E-16 |
| <i>SORD</i> | 0.477754 | 5.42E-20 | 9.42E-16 |
| <i>SLMO2</i> | 0.47767832 | 5.50E-20 | 9.57E-16 |
| <i>HAT1</i> | 0.4775082 | 5.70E-20 | 9.90E-16 |
| <i>MMP11</i> | 0.47726998 | 5.98E-20 | 1.04E-15 |
| <i>SPTBN2</i> | 0.47726377 | 5.99E-20 | 1.04E-15 |
| <i>SPG21</i> | 0.47723389 | 6.02E-20 | 1.05E-15 |
| <i>TTPAL</i> | 0.47714037 | 6.14E-20 | 1.07E-15 |
| <i>LARS</i> | 0.47702129 | 6.29E-20 | 1.09E-15 |
| <i>MAP1D</i> | 0.47697003 | 6.35E-20 | 1.10E-15 |
| <i>TRIM24</i> | 0.47674053 | 6.65E-20 | 1.15E-15 |
| <i>MCM2</i> | 0.47670055 | 6.71E-20 | 1.16E-15 |
| <i>PHF20</i> | 0.47669214 | 6.72E-20 | 1.17E-15 |
| <i>ZNF26</i> | 0.47663461 | 6.80E-20 | 1.18E-15 |
| <i>YWHAG</i> | 0.47633054 | 7.23E-20 | 1.25E-15 |
| <i>GAS2</i> | 0.47631859 | 7.25E-20 | 1.26E-15 |
| <i>ERCC3</i> | 0.47621032 | 7.41E-20 | 1.28E-15 |
| <i>UPF3A</i> | 0.47616932 | 7.47E-20 | 1.30E-15 |
| <i>METTL2B</i> | 0.47611631 | 7.55E-20 | 1.31E-15 |
| <i>ATAD5</i> | 0.47598045 | 7.76E-20 | 1.34E-15 |
| <i>SPERT</i> | 0.47591872 | 7.85E-20 | 1.36E-15 |
| <i>MEAF6</i> | 0.47589165 | 7.90E-20 | 1.37E-15 |
| <i>JMJD4</i> | 0.47583151 | 7.99E-20 | 1.39E-15 |
| <i>LOC441089</i> | 0.47567917 | 8.24E-20 | 1.43E-15 |
| <i>CIAO1</i> | 0.47564746 | 8.29E-20 | 1.44E-15 |

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| <i>TBCE</i> | 0.47562885 | 8.33E-20 | 1.44E-15 |
| <i>PSMD13</i> | 0.47555141 | 8.46E-20 | 1.47E-15 |
| <i>ZNF207</i> | 0.47543348 | 8.66E-20 | 1.50E-15 |
| <i>ZBTB12</i> | 0.47529995 | 8.89E-20 | 1.54E-15 |
| <i>? 10431</i> | 0.47527865 | 8.93E-20 | 1.55E-15 |
| <i>LOC541471</i> | 0.47525101 | 8.98E-20 | 1.56E-15 |
| <i>YDJC</i> | 0.47523144 | 9.02E-20 | 1.56E-15 |
| <i>RFXAP</i> | 0.4751845 | 9.10E-20 | 1.58E-15 |
| <i>MCM6</i> | 0.47485666 | 9.72E-20 | 1.68E-15 |
| <i>UBAC2</i> | 0.47478791 | 9.86E-20 | 1.71E-15 |
| <i>MMP7</i> | 0.474783 | 9.87E-20 | 1.71E-15 |
| <i>FAM192A</i> | 0.47475362 | 9.93E-20 | 1.72E-15 |
| <i>GLA</i> | 0.47473481 | 9.96E-20 | 1.72E-15 |
| <i>PREB</i> | 0.47444832 | 1.06E-19 | 1.82E-15 |
| <i>CNN2</i> | 0.47416508 | 1.12E-19 | 1.93E-15 |
| <i>PVR</i> | 0.47382155 | 1.20E-19 | 2.07E-15 |
| <i>KRR1</i> | 0.47374441 | 1.21E-19 | 2.10E-15 |
| <i>C7orf26</i> | 0.47359923 | 1.25E-19 | 2.16E-15 |
| <i>STAU1</i> | 0.47357152 | 1.26E-19 | 2.17E-15 |
| <i>MFSD2B</i> | 0.47350234 | 1.28E-19 | 2.20E-15 |
| <i>STC2</i> | 0.47349597 | 1.28E-19 | 2.21E-15 |
| <i>GPT2</i> | 0.47337539 | 1.31E-19 | 2.26E-15 |
| <i>MCM4</i> | 0.47336171 | 1.31E-19 | 2.26E-15 |
| <i>ANKRD16</i> | 0.47316575 | 1.36E-19 | 2.35E-15 |
| <i>TMTC4</i> | 0.47295991 | 1.42E-19 | 2.45E-15 |
| <i>UQCC</i> | 0.47293226 | 1.43E-19 | 2.47E-15 |
| <i>C17orf79</i> | 0.47289148 | 1.44E-19 | 2.49E-15 |
| <i>THOC2</i> | 0.47252227 | 1.55E-19 | 2.68E-15 |
| <i>PPME1</i> | 0.47246754 | 1.57E-19 | 2.70E-15 |
| <i>TMEM126B</i> | 0.47234724 | 1.61E-19 | 2.77E-15 |
| <i>DBF4B</i> | 0.47221407 | 1.65E-19 | 2.84E-15 |
| <i>RPL32</i> | 0.47212614 | 1.68E-19 | 2.89E-15 |
| <i>C12orf66</i> | 0.47199661 | 1.72E-19 | 2.97E-15 |
| <i>UBE2N</i> | 0.47198061 | 1.73E-19 | 2.98E-15 |
| <i>KPNA3</i> | 0.4719186 | 1.75E-19 | 3.01E-15 |
| <i>FAM48A</i> | 0.47172884 | 1.82E-19 | 3.13E-15 |
| <i>RPL23</i> | 0.47170787 | 1.82E-19 | 3.14E-15 |
| <i>KLHL31</i> | 0.47155175 | 1.88E-19 | 3.24E-15 |
| <i>AMMECR1</i> | 0.47131822 | 1.97E-19 | 3.39E-15 |
| <i>EXOSC1</i> | 0.47109996 | 2.06E-19 | 3.54E-15 |
| <i>C11orf31</i> | 0.47094463 | 2.12E-19 | 3.65E-15 |
| <i>PRPF6</i> | 0.47074609 | 2.21E-19 | 3.80E-15 |
| <i>NSUN5P1</i> | 0.47072684 | 2.21E-19 | 3.81E-15 |
| <i>TLX1</i> | 0.47021872 | 2.45E-19 | 4.21E-15 |
| <i>ZNF267</i> | 0.4702117 | 2.45E-19 | 4.22E-15 |
| <i>LSM14B</i> | 0.46991261 | 2.60E-19 | 4.47E-15 |
| <i>UBFD1</i> | 0.46975905 | 2.68E-19 | 4.61E-15 |
| <i>ANKRD46</i> | 0.46970456 | 2.71E-19 | 4.66E-15 |
| <i>THOC4</i> | 0.46962321 | 2.75E-19 | 4.73E-15 |
| <i>ANP32B</i> | 0.46955273 | 2.79E-19 | 4.80E-15 |
| <i>PTS</i> | 0.46924013 | 2.97E-19 | 5.10E-15 |

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| <i>PHF20L1</i> | 0.46919711 | 3.00E-19 | 5.15E-15 |
| <i>SOX9</i> | 0.46899918 | 3.12E-19 | 5.35E-15 |
| <i>TAF2</i> | 0.46872213 | 3.29E-19 | 5.65E-15 |
| <i>SLC22A3</i> | 0.4680757 | 3.74E-19 | 6.41E-15 |
| <i>C20orf43</i> | 0.46789075 | 3.87E-19 | 6.64E-15 |
| <i>RPL37</i> | 0.46772856 | 4.00E-19 | 6.86E-15 |
| <i>PLK4</i> | 0.46770907 | 4.01E-19 | 6.88E-15 |
| <i>FAM165B</i> | 0.46768592 | 4.03E-19 | 6.91E-15 |
| <i>CWC15</i> | 0.46758196 | 4.11E-19 | 7.05E-15 |
| <i>PCGF1</i> | 0.46741427 | 4.25E-19 | 7.28E-15 |
| <i>ARFGAP1</i> | 0.46737384 | 4.29E-19 | 7.34E-15 |
| <i>NCRNA0018</i> | 0.46733735 | 4.32E-19 | 7.39E-15 |
| <i>PHF19</i> | 0.46733299 | 4.32E-19 | 7.40E-15 |
| <i>ATP11A</i> | 0.466937 | 4.67E-19 | 7.99E-15 |
| <i>CCNE2</i> | 0.46675716 | 4.84E-19 | 8.28E-15 |
| <i>NOL6</i> | 0.46666456 | 4.92E-19 | 8.43E-15 |
| <i>DCTD</i> | 0.46661196 | 4.97E-19 | 8.51E-15 |
| <i>PIGW</i> | 0.46656699 | 5.02E-19 | 8.59E-15 |
| <i>RCBTB1</i> | 0.46636259 | 5.22E-19 | 8.94E-15 |
| <i>ZNF202</i> | 0.46613078 | 5.46E-19 | 9.35E-15 |
| <i>MRPL47</i> | 0.46607156 | 5.53E-19 | 9.45E-15 |
| <i>AEN</i> | 0.46606684 | 5.53E-19 | 9.46E-15 |
| <i>WDR85</i> | 0.46606287 | 5.54E-19 | 9.47E-15 |
| <i>ATP5J2</i> | 0.46584532 | 5.78E-19 | 9.88E-15 |
| <i>POLG2</i> | 0.46584143 | 5.78E-19 | 9.88E-15 |
| <i>KCTD6</i> | 0.46567902 | 5.97E-19 | 1.02E-14 |
| <i>G3BP1</i> | 0.46565824 | 5.99E-19 | 1.02E-14 |
| <i>BTBD16</i> | 0.46565175 | 6.00E-19 | 1.03E-14 |
| <i>RPS4X</i> | 0.46558351 | 6.08E-19 | 1.04E-14 |
| <i>C15orf42</i> | 0.4654948 | 6.19E-19 | 1.06E-14 |
| <i>HNRNPA1</i> | 0.46539173 | 6.31E-19 | 1.08E-14 |
| <i>PRKDC</i> | 0.46535842 | 6.35E-19 | 1.08E-14 |
| <i>TMEM194A</i> | 0.46527028 | 6.46E-19 | 1.10E-14 |
| <i>STX16</i> | 0.46515476 | 6.61E-19 | 1.13E-14 |
| <i>PSMB1</i> | 0.46505531 | 6.74E-19 | 1.15E-14 |
| <i>C2orf60</i> | 0.46487943 | 6.97E-19 | 1.19E-14 |
| <i>CPOX</i> | 0.46482557 | 7.05E-19 | 1.20E-14 |
| <i>ADO</i> | 0.46479074 | 7.09E-19 | 1.21E-14 |
| <i>PTCD2</i> | 0.46464457 | 7.30E-19 | 1.24E-14 |
| <i>PRC1</i> | 0.46460811 | 7.35E-19 | 1.25E-14 |
| <i>UHRF1</i> | 0.46446627 | 7.55E-19 | 1.29E-14 |
| <i>C16orf91</i> | 0.46434188 | 7.74E-19 | 1.32E-14 |
| <i>MTIF3</i> | 0.46424413 | 7.89E-19 | 1.34E-14 |
| <i>BTF3L4</i> | 0.46423416 | 7.90E-19 | 1.35E-14 |
| <i>AKAP8L</i> | 0.46422302 | 7.92E-19 | 1.35E-14 |
| <i>DDX50</i> | 0.46406965 | 8.16E-19 | 1.39E-14 |
| <i>UTP11L</i> | 0.46406292 | 8.17E-19 | 1.39E-14 |
| <i>NPEPL1</i> | 0.46398836 | 8.29E-19 | 1.41E-14 |
| <i>YAF2</i> | 0.46394618 | 8.36E-19 | 1.42E-14 |
| <i>FANCD2</i> | 0.46378304 | 8.62E-19 | 1.47E-14 |
| <i>FAM92A1</i> | 0.46375101 | 8.68E-19 | 1.48E-14 |

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| <i>AURKB</i> | 0.46363895 | 8.87E-19 | 1.51E-14 |
| <i>CHCHD3</i> | 0.46334478 | 9.39E-19 | 1.60E-14 |
| <i>RBM12</i> | 0.46331423 | 9.44E-19 | 1.61E-14 |
| <i>THSD1P1</i> | 0.46311789 | 9.81E-19 | 1.67E-14 |
| <i>POLR3C</i> | 0.46272878 | 1.06E-18 | 1.80E-14 |
| <i>TPRKB</i> | 0.46265967 | 1.07E-18 | 1.82E-14 |
| <i>ZNF706</i> | 0.46258404 | 1.09E-18 | 1.85E-14 |
| <i>C14orf143</i> | 0.46234288 | 1.14E-18 | 1.94E-14 |
| <i>ZW10</i> | 0.46216124 | 1.18E-18 | 2.00E-14 |
| <i>RCC1</i> | 0.46212757 | 1.19E-18 | 2.02E-14 |
| <i>GTF2H5</i> | 0.46197533 | 1.22E-18 | 2.08E-14 |
| <i>POLR2C</i> | 0.46194644 | 1.23E-18 | 2.09E-14 |
| <i>MSH2</i> | 0.46186695 | 1.25E-18 | 2.12E-14 |
| <i>RABGGTB</i> | 0.46184035 | 1.25E-18 | 2.13E-14 |
| <i>CENPL</i> | 0.46181537 | 1.26E-18 | 2.14E-14 |
| <i>RBBP7</i> | 0.46180739 | 1.26E-18 | 2.14E-14 |
| <i>C6orf1</i> | 0.46175106 | 1.28E-18 | 2.17E-14 |
| <i>ZNF696</i> | 0.46169969 | 1.29E-18 | 2.19E-14 |
| <i>ZNF23</i> | 0.46155094 | 1.33E-18 | 2.25E-14 |
| <i>SLC25A36</i> | 0.46143262 | 1.36E-18 | 2.30E-14 |
| <i>NACA</i> | 0.461386 | 1.37E-18 | 2.32E-14 |
| <i>LOC202781</i> | 0.46130002 | 1.39E-18 | 2.36E-14 |
| <i>GDPD5</i> | 0.46126562 | 1.40E-18 | 2.38E-14 |
| <i>KDM1A</i> | 0.46125246 | 1.40E-18 | 2.38E-14 |
| <i>MSH5</i> | 0.46091589 | 1.50E-18 | 2.54E-14 |
| <i>TFB1M</i> | 0.46048995 | 1.63E-18 | 2.76E-14 |
| <i>LACTB2</i> | 0.460274 | 1.69E-18 | 2.87E-14 |
| <i>SEPT7P2</i> | 0.46025404 | 1.70E-18 | 2.88E-14 |
| <i>GADD45GIP1</i> | 0.46017493 | 1.73E-18 | 2.93E-14 |
| <i>NFS1</i> | 0.46013359 | 1.74E-18 | 2.95E-14 |
| <i>ZNF367</i> | 0.4600007 | 1.78E-18 | 3.03E-14 |
| <i>KIAA1274</i> | 0.4598786 | 1.83E-18 | 3.10E-14 |
| <i>FOXN2</i> | 0.45970406 | 1.89E-18 | 3.20E-14 |
| <i>MAPKAPK5</i> | 0.45965833 | 1.91E-18 | 3.23E-14 |
| <i>PIN4</i> | 0.45962036 | 1.92E-18 | 3.25E-14 |
| <i>UTP20</i> | 0.45961512 | 1.92E-18 | 3.26E-14 |
| <i>TCF3</i> | 0.4595462 | 1.95E-18 | 3.30E-14 |
| <i>ZUFSP</i> | 0.45948733 | 1.97E-18 | 3.34E-14 |
| <i>NDUFAF4</i> | 0.45947287 | 1.97E-18 | 3.34E-14 |
| <i>PES1</i> | 0.4594628 | 1.98E-18 | 3.35E-14 |
| <i>C1orf182</i> | 0.45925571 | 2.06E-18 | 3.48E-14 |
| <i>RPL31</i> | 0.45917626 | 2.09E-18 | 3.54E-14 |
| <i>IFT88</i> | 0.4590398 | 2.14E-18 | 3.63E-14 |
| <i>HSF2BP</i> | 0.45900743 | 2.16E-18 | 3.65E-14 |
| <i>CSNK1E</i> | 0.45896419 | 2.18E-18 | 3.68E-14 |
| <i>APLN</i> | 0.45891042 | 2.20E-18 | 3.72E-14 |
| <i>FAM111B</i> | 0.45879256 | 2.25E-18 | 3.80E-14 |
| <i>RNF113A</i> | 0.4586716 | 2.30E-18 | 3.89E-14 |
| <i>CDCA8</i> | 0.45861656 | 2.32E-18 | 3.93E-14 |
| <i>PQBP1</i> | 0.4585985 | 2.33E-18 | 3.94E-14 |
| <i>MIPEP</i> | 0.45848262 | 2.38E-18 | 4.03E-14 |

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| <i>ZMYM5</i> | 0.45832773 | 2.46E-18 | 4.15E-14 |
| <i>PRPF38B</i> | 0.45830856 | 2.46E-18 | 4.17E-14 |
| <i>BAT1</i> | 0.45828715 | 2.47E-18 | 4.18E-14 |
| <i>LY6G6F</i> | 0.4581979 | 2.52E-18 | 4.25E-14 |
| <i>TIMM10</i> | 0.45740465 | 2.93E-18 | 4.94E-14 |
| <i>ZNHIT6</i> | 0.45730973 | 2.98E-18 | 5.03E-14 |
| <i>ZNF77</i> | 0.45667658 | 3.36E-18 | 5.67E-14 |
| <i>CDT1</i> | 0.45647354 | 3.49E-18 | 5.88E-14 |
| <i>TCEA1</i> | 0.45632499 | 3.59E-18 | 6.05E-14 |
| <i>WDR62</i> | 0.45627879 | 3.62E-18 | 6.10E-14 |
| <i>HNRPDL</i> | 0.45626963 | 3.63E-18 | 6.11E-14 |
| <i>DTD1</i> | 0.45619888 | 3.68E-18 | 6.19E-14 |
| <i>C6orf57</i> | 0.45614109 | 3.72E-18 | 6.26E-14 |
| <i>CKAP5</i> | 0.4561284 | 3.72E-18 | 6.28E-14 |
| <i>RPL24</i> | 0.45572465 | 4.02E-18 | 6.77E-14 |
| <i>C2orf70</i> | 0.45571667 | 4.03E-18 | 6.78E-14 |
| <i>POLA2</i> | 0.45566017 | 4.07E-18 | 6.85E-14 |
| <i>C8orf76</i> | 0.45565048 | 4.08E-18 | 6.86E-14 |
| <i>CCDC78</i> | 0.45545828 | 4.23E-18 | 7.11E-14 |
| <i>ARMC2</i> | 0.45543965 | 4.24E-18 | 7.14E-14 |
| <i>KIF4B</i> | 0.45506354 | 4.55E-18 | 7.66E-14 |
| <i>DPCD</i> | 0.455021 | 4.59E-18 | 7.72E-14 |
| <i>EARS2</i> | 0.45492919 | 4.67E-18 | 7.85E-14 |
| <i>PRKRIP1</i> | 0.45488265 | 4.71E-18 | 7.92E-14 |
| <i>MRPL42</i> | 0.45485252 | 4.74E-18 | 7.97E-14 |
| <i>MCM8</i> | 0.45480158 | 4.78E-18 | 8.04E-14 |
| <i>CEL</i> | 0.45464494 | 4.92E-18 | 8.28E-14 |
| <i>PDP1</i> | 0.45457135 | 4.99E-18 | 8.39E-14 |
| <i>MRPL15</i> | 0.45445717 | 5.10E-18 | 8.57E-14 |
| <i>POLR2F</i> | 0.4544072 | 5.15E-18 | 8.65E-14 |
| <i>NSUN2</i> | 0.45404162 | 5.51E-18 | 9.26E-14 |
| <i>SUMF2</i> | 0.45401715 | 5.54E-18 | 9.31E-14 |
| <i>C9orf114</i> | 0.45388109 | 5.68E-18 | 9.54E-14 |
| <i>NUP160</i> | 0.45364577 | 5.94E-18 | 9.97E-14 |
| <i>KBTBD6</i> | 0.45348219 | 6.12E-18 | 1.03E-13 |
| <i>TCTE3</i> | 0.4533796 | 6.24E-18 | 1.05E-13 |
| <i>MED10</i> | 0.45335554 | 6.27E-18 | 1.05E-13 |
| <i>EGFL6</i> | 0.453308 | 6.33E-18 | 1.06E-13 |
| <i>DBNDD1</i> | 0.45324212 | 6.41E-18 | 1.07E-13 |
| <i>FOXM1</i> | 0.45309291 | 6.59E-18 | 1.10E-13 |
| <i>ACYP1</i> | 0.45257787 | 7.25E-18 | 1.22E-13 |
| <i>PIGX</i> | 0.45254421 | 7.30E-18 | 1.22E-13 |
| <i>CAPN10</i> | 0.45231576 | 7.61E-18 | 1.28E-13 |
| <i>SFXN4</i> | 0.45223744 | 7.73E-18 | 1.29E-13 |
| <i>FOSL1</i> | 0.45220578 | 7.77E-18 | 1.30E-13 |
| <i>C8orf55</i> | 0.45207673 | 7.96E-18 | 1.33E-13 |
| <i>MDFI</i> | 0.45178267 | 8.41E-18 | 1.41E-13 |
| <i>SNHG3</i> | 0.45176894 | 8.43E-18 | 1.41E-13 |
| <i>AP1S3</i> | 0.45175291 | 8.46E-18 | 1.42E-13 |
| <i>C9orf6</i> | 0.4517258 | 8.50E-18 | 1.42E-13 |
| <i>METAP2</i> | 0.45151078 | 8.85E-18 | 1.48E-13 |

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| <i>FAM71E1</i> | 0.45129029 | 9.22E-18 | 1.54E-13 |
| <i>TUBE1</i> | 0.45113786 | 9.48E-18 | 1.59E-13 |
| <i>PSMB7</i> | 0.45109846 | 9.55E-18 | 1.60E-13 |
| <i>WDR36</i> | 0.45108662 | 9.57E-18 | 1.60E-13 |
| <i>POLR3E</i> | 0.45106947 | 9.60E-18 | 1.61E-13 |
| <i>RABL5</i> | 0.45103494 | 9.66E-18 | 1.62E-13 |
| <i>OSGIN2</i> | 0.45076678 | 1.02E-17 | 1.70E-13 |
| <i>CIAPIN1</i> | 0.45074826 | 1.02E-17 | 1.70E-13 |
| <i>RBM34</i> | 0.4506714 | 1.03E-17 | 1.73E-13 |
| <i>HMGB2</i> | 0.45065398 | 1.04E-17 | 1.73E-13 |
| <i>APEX1</i> | 0.45049578 | 1.07E-17 | 1.78E-13 |
| <i>TELO2</i> | 0.45040439 | 1.09E-17 | 1.81E-13 |
| <i>LOC643387</i> | 0.45039167 | 1.09E-17 | 1.82E-13 |
| <i>SRPX2</i> | 0.45029867 | 1.11E-17 | 1.85E-13 |
| <i>SRCRB4D</i> | 0.45021578 | 1.12E-17 | 1.88E-13 |
| <i>FAM58A</i> | 0.44991567 | 1.19E-17 | 1.99E-13 |
| <i>RPS27A</i> | 0.44989608 | 1.19E-17 | 1.99E-13 |
| <i>ZNF182</i> | 0.44973974 | 1.23E-17 | 2.05E-13 |
| <i>VEGFA</i> | 0.44965273 | 1.25E-17 | 2.08E-13 |
| <i>RPUSD3</i> | 0.44962616 | 1.25E-17 | 2.09E-13 |
| <i>IL20RA</i> | 0.44958198 | 1.26E-17 | 2.11E-13 |
| <i>ULBP1</i> | 0.449552 | 1.27E-17 | 2.12E-13 |
| <i>MASTL</i> | 0.44942775 | 1.30E-17 | 2.17E-13 |
| <i>AZGP1</i> | 0.44939421 | 1.31E-17 | 2.18E-13 |
| <i>DRG1</i> | 0.44937556 | 1.31E-17 | 2.19E-13 |
| <i>LOC647979</i> | 0.44931384 | 1.33E-17 | 2.22E-13 |
| <i>POLR3G</i> | 0.44916184 | 1.37E-17 | 2.28E-13 |
| <i>C2orf29</i> | 0.44914178 | 1.37E-17 | 2.29E-13 |
| <i>ZCCHC4</i> | 0.44886275 | 1.44E-17 | 2.41E-13 |
| <i>LMNB2</i> | 0.44879944 | 1.46E-17 | 2.43E-13 |
| <i>PLEKHN1</i> | 0.44879398 | 1.46E-17 | 2.44E-13 |
| <i>GJC3</i> | 0.44877302 | 1.47E-17 | 2.45E-13 |
| <i>ANKZF1</i> | 0.4487282 | 1.48E-17 | 2.47E-13 |
| <i>TBC1D7</i> | 0.44867002 | 1.50E-17 | 2.49E-13 |
| <i>ZWINT</i> | 0.44852286 | 1.54E-17 | 2.56E-13 |
| <i>RBM26</i> | 0.4485227 | 1.54E-17 | 2.56E-13 |
| <i>CTSL2</i> | 0.44847385 | 1.55E-17 | 2.58E-13 |
| <i>SNRPD1</i> | 0.44845089 | 1.56E-17 | 2.59E-13 |
| <i>SLC25A17</i> | 0.44840032 | 1.57E-17 | 2.62E-13 |
| <i>DDX52</i> | 0.44826939 | 1.61E-17 | 2.68E-13 |
| <i>CDK8</i> | 0.44812966 | 1.65E-17 | 2.75E-13 |
| <i>MRPL45</i> | 0.44803754 | 1.68E-17 | 2.80E-13 |
| <i>KIAA1430</i> | 0.44799256 | 1.69E-17 | 2.82E-13 |
| <i>CHAF1B</i> | 0.44785585 | 1.74E-17 | 2.89E-13 |
| <i>C12orf41</i> | 0.44785162 | 1.74E-17 | 2.89E-13 |
| <i>PPRC1</i> | 0.44742643 | 1.88E-17 | 3.13E-13 |
| <i>GTF3C3</i> | 0.44723784 | 1.95E-17 | 3.24E-13 |
| <i>C10orf119</i> | 0.44713398 | 1.98E-17 | 3.30E-13 |
| <i>DLGAP5</i> | 0.44703773 | 2.02E-17 | 3.35E-13 |
| <i>PRPS1</i> | 0.44702587 | 2.02E-17 | 3.36E-13 |
| <i>CEP78</i> | 0.44688739 | 2.08E-17 | 3.45E-13 |

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| <i>ZNF277</i> | 0.44685852 | 2.09E-17 | 3.47E-13 |
| <i>DHODH</i> | 0.44653656 | 2.21E-17 | 3.67E-13 |
| <i>LSM4</i> | 0.44641571 | 2.26E-17 | 3.76E-13 |
| <i>MST4</i> | 0.44639496 | 2.27E-17 | 3.77E-13 |
| <i>RPS6</i> | 0.44637025 | 2.28E-17 | 3.79E-13 |
| <i>UNC5CL</i> | 0.44610412 | 2.40E-17 | 3.97E-13 |
| <i>MRPL51</i> | 0.44596627 | 2.46E-17 | 4.07E-13 |
| <i>HSF2</i> | 0.44579902 | 2.53E-17 | 4.20E-13 |
| <i>MSL3L2</i> | 0.44578949 | 2.54E-17 | 4.21E-13 |
| <i>ZNF354B</i> | 0.4456974 | 2.58E-17 | 4.28E-13 |
| <i>CWF19L1</i> | 0.44553379 | 2.66E-17 | 4.40E-13 |
| <i>KATNA1</i> | 0.44540687 | 2.72E-17 | 4.51E-13 |
| <i>GTF2H1</i> | 0.4453926 | 2.73E-17 | 4.52E-13 |
| <i>C11orf17</i> | 0.44465198 | 3.12E-17 | 5.17E-13 |
| <i>ORC2L</i> | 0.44458644 | 3.16E-17 | 5.23E-13 |
| <i>MNAT1</i> | 0.44424109 | 3.36E-17 | 5.56E-13 |
| <i>GRIN2D</i> | 0.44410588 | 3.45E-17 | 5.70E-13 |
| <i>POLM</i> | 0.4439534 | 3.54E-17 | 5.86E-13 |
| <i>PYCR2</i> | 0.44390778 | 3.57E-17 | 5.91E-13 |
| <i>AXIN2</i> | 0.44390215 | 3.58E-17 | 5.92E-13 |
| <i>R3HDM1</i> | 0.44367065 | 3.73E-17 | 6.17E-13 |
| <i>GGH</i> | 0.44357977 | 3.79E-17 | 6.27E-13 |
| <i>RPP21</i> | 0.44355556 | 3.81E-17 | 6.30E-13 |
| <i>KHDRBS1</i> | 0.44351296 | 3.84E-17 | 6.34E-13 |
| <i>SPAG5</i> | 0.4433493 | 3.95E-17 | 6.53E-13 |
| <i>SSBP4</i> | 0.44324843 | 4.03E-17 | 6.65E-13 |
| <i>TOP1P1</i> | 0.44306163 | 4.16E-17 | 6.88E-13 |
| <i>RPUSD1</i> | 0.4430458 | 4.18E-17 | 6.90E-13 |
| <i>YARS2</i> | 0.44279543 | 4.37E-17 | 7.22E-13 |
| <i>KIAA1731</i> | 0.44249071 | 4.62E-17 | 7.62E-13 |
| <i>C11orf1</i> | 0.44236713 | 4.72E-17 | 7.79E-13 |
| <i>RPL7A</i> | 0.44233014 | 4.75E-17 | 7.85E-13 |
| <i>CCNO</i> | 0.44201153 | 5.03E-17 | 8.31E-13 |
| <i>POLR3F</i> | 0.44192682 | 5.11E-17 | 8.44E-13 |
| <i>PTBP1</i> | 0.4418863 | 5.15E-17 | 8.50E-13 |
| <i>FAM86A</i> | 0.44109498 | 5.93E-17 | 9.79E-13 |
| <i>SLC22A11</i> | 0.44108529 | 5.95E-17 | 9.80E-13 |
| <i>RPP38</i> | 0.44105971 | 5.97E-17 | 9.85E-13 |
| <i>TLCD1</i> | 0.44102887 | 6.01E-17 | 9.90E-13 |
| <i>CCDC45</i> | 0.44063756 | 6.44E-17 | 1.06E-12 |
| <i>APTX</i> | 0.44053094 | 6.57E-17 | 1.08E-12 |
| <i>FAM96B</i> | 0.44051081 | 6.59E-17 | 1.09E-12 |
| <i>GPR56</i> | 0.44024883 | 6.91E-17 | 1.14E-12 |
| <i>ICT1</i> | 0.44010375 | 7.09E-17 | 1.17E-12 |
| <i>ACAN</i> | 0.44005073 | 7.16E-17 | 1.18E-12 |
| <i>ZBTB33</i> | 0.43957882 | 7.79E-17 | 1.28E-12 |
| <i>PBX4</i> | 0.4395395 | 7.84E-17 | 1.29E-12 |
| <i>STX1A</i> | 0.43952777 | 7.86E-17 | 1.29E-12 |
| <i>FLJ43663</i> | 0.43922987 | 8.29E-17 | 1.36E-12 |
| <i>STRA6</i> | 0.43914802 | 8.41E-17 | 1.38E-12 |
| <i>DSG4</i> | 0.43911049 | 8.47E-17 | 1.39E-12 |

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| <i>GALNT6</i> | 0.43883633 | 8.89E-17 | 1.46E-12 |
| <i>TDRKH</i> | 0.43881827 | 8.92E-17 | 1.47E-12 |
| <i>PSMD12</i> | 0.43872347 | 9.07E-17 | 1.49E-12 |
| <i>ZNF572</i> | 0.43863866 | 9.21E-17 | 1.51E-12 |
| <i>SLC35D3</i> | 0.43854354 | 9.37E-17 | 1.54E-12 |
| <i>SLC11A2</i> | 0.43846878 | 9.49E-17 | 1.56E-12 |
| <i>IFITM1</i> | 0.4384678 | 9.49E-17 | 1.56E-12 |
| <i>ZNF670</i> | 0.43824248 | 9.88E-17 | 1.62E-12 |
| <i>EFTUD2</i> | 0.43810691 | 1.01E-16 | 1.66E-12 |
| <i>ZNF799</i> | 0.43793221 | 1.04E-16 | 1.71E-12 |
| <i>RPS3</i> | 0.43786318 | 1.06E-16 | 1.74E-12 |
| <i>ERCC8</i> | 0.43775958 | 1.08E-16 | 1.77E-12 |
| <i>SSX2IP</i> | 0.43753818 | 1.12E-16 | 1.84E-12 |
| <i>OSGEPL1</i> | 0.43750279 | 1.13E-16 | 1.85E-12 |
| <i>NUDT19</i> | 0.43743327 | 1.14E-16 | 1.87E-12 |
| <i>SUMO2</i> | 0.43730889 | 1.17E-16 | 1.91E-12 |
| <i>CAD</i> | 0.43730067 | 1.17E-16 | 1.92E-12 |
| <i>PSMB4</i> | 0.43725415 | 1.18E-16 | 1.93E-12 |
| <i>PSME3</i> | 0.43722199 | 1.18E-16 | 1.94E-12 |
| <i>AGAP3</i> | 0.43674513 | 1.29E-16 | 2.11E-12 |
| <i>CCNF</i> | 0.43662508 | 1.32E-16 | 2.16E-12 |
| <i>PPID</i> | 0.43661354 | 1.32E-16 | 2.16E-12 |
| <i>LOC1001282</i> | 0.43653404 | 1.34E-16 | 2.19E-12 |
| <i>PAAF1</i> | 0.43640355 | 1.37E-16 | 2.24E-12 |
| <i>NOC4L</i> | 0.43625091 | 1.41E-16 | 2.30E-12 |
| <i>DYNC1LI1</i> | 0.43618597 | 1.42E-16 | 2.33E-12 |
| <i>TAF4</i> | 0.43616842 | 1.43E-16 | 2.34E-12 |
| <i>CST4</i> | 0.43609859 | 1.45E-16 | 2.37E-12 |
| <i>EIF3G</i> | 0.43609544 | 1.45E-16 | 2.37E-12 |
| <i>CEP57</i> | 0.43607433 | 1.45E-16 | 2.38E-12 |
| <i>LSM3</i> | 0.43595677 | 1.48E-16 | 2.43E-12 |
| <i>IFRD1</i> | 0.43568477 | 1.56E-16 | 2.54E-12 |
| <i>GABRD</i> | 0.43547272 | 1.61E-16 | 2.64E-12 |
| <i>RPL27A</i> | 0.43545414 | 1.62E-16 | 2.65E-12 |
| <i>MFF</i> | 0.43542043 | 1.63E-16 | 2.66E-12 |
| <i>EIF3I</i> | 0.43536708 | 1.64E-16 | 2.69E-12 |
| <i>DLX4</i> | 0.43515577 | 1.71E-16 | 2.79E-12 |
| <i>EEPD1</i> | 0.43505694 | 1.74E-16 | 2.84E-12 |
| <i>PAH</i> | 0.43488683 | 1.79E-16 | 2.92E-12 |
| <i>MSX1</i> | 0.43485569 | 1.80E-16 | 2.94E-12 |
| <i>DPH3B</i> | 0.43481118 | 1.81E-16 | 2.96E-12 |
| <i>ORMDL1</i> | 0.43476061 | 1.83E-16 | 2.99E-12 |
| <i>ODF2</i> | 0.43475986 | 1.83E-16 | 2.99E-12 |
| <i>TUBGCP3</i> | 0.43462821 | 1.87E-16 | 3.06E-12 |
| <i>HIATL2</i> | 0.43456147 | 1.90E-16 | 3.09E-12 |
| <i>WDR5B</i> | 0.43445211 | 1.93E-16 | 3.15E-12 |
| <i>R3HDML</i> | 0.43442497 | 1.94E-16 | 3.17E-12 |
| <i>FLJ33630</i> | 0.43434977 | 1.97E-16 | 3.21E-12 |
| <i>GEMIN8</i> | 0.43432234 | 1.98E-16 | 3.23E-12 |
| <i>AHCTF1</i> | 0.43406367 | 2.07E-16 | 3.38E-12 |
| <i>SNHG10</i> | 0.43403812 | 2.08E-16 | 3.39E-12 |

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| <i>RPGR</i> | 0.43391638 | 2.12E-16 | 3.46E-12 |
| <i>KIAA0907</i> | 0.43388592 | 2.13E-16 | 3.48E-12 |
| <i>LOC728758</i> | 0.43388097 | 2.14E-16 | 3.48E-12 |
| <i>AURKAPS1</i> | 0.4337141 | 2.20E-16 | 3.59E-12 |
| <i>CCDC73</i> | 0.43366546 | 2.22E-16 | 3.62E-12 |
| <i>THOP1</i> | 0.433536 | 2.27E-16 | 3.70E-12 |
| <i>KIAA0101</i> | 0.43345312 | 2.30E-16 | 3.75E-12 |
| <i>RPL12</i> | 0.43345176 | 2.30E-16 | 3.75E-12 |
| <i>UXS1</i> | 0.43340684 | 2.32E-16 | 3.78E-12 |
| <i>LOC1001327</i> | 0.43338321 | 2.33E-16 | 3.80E-12 |
| <i>C1orf31</i> | 0.43331616 | 2.36E-16 | 3.84E-12 |
| <i>RPS19</i> | 0.43321502 | 2.40E-16 | 3.91E-12 |
| <i>GAS5</i> | 0.43317769 | 2.42E-16 | 3.93E-12 |
| <i>NUDCD2</i> | 0.43306954 | 2.46E-16 | 4.01E-12 |
| <i>DHDPSL</i> | 0.43295145 | 2.51E-16 | 4.09E-12 |
| <i>H2AFZ</i> | 0.43284554 | 2.56E-16 | 4.17E-12 |
| <i>RPL36</i> | 0.43245425 | 2.74E-16 | 4.46E-12 |
| <i>RPL35</i> | 0.43243945 | 2.75E-16 | 4.47E-12 |
| <i>CCDC19</i> | 0.43232259 | 2.81E-16 | 4.56E-12 |
| <i>RPS13</i> | 0.43207792 | 2.93E-16 | 4.76E-12 |
| <i>MAPK15</i> | 0.43204494 | 2.94E-16 | 4.79E-12 |
| <i>FAM86C</i> | 0.43171718 | 3.12E-16 | 5.07E-12 |
| <i>FAM150A</i> | 0.43167899 | 3.14E-16 | 5.10E-12 |
| <i>GRB7</i> | 0.43162358 | 3.17E-16 | 5.15E-12 |
| <i>UCHL5</i> | 0.43137548 | 3.31E-16 | 5.38E-12 |
| <i>CBWD2</i> | 0.43112685 | 3.45E-16 | 5.61E-12 |
| <i>PIF1</i> | 0.43105188 | 3.50E-16 | 5.69E-12 |
| <i>CHRAC1</i> | 0.43104944 | 3.50E-16 | 5.69E-12 |
| <i>ANXA3</i> | 0.43098414 | 3.54E-16 | 5.75E-12 |
| <i>TOP1</i> | 0.43096119 | 3.56E-16 | 5.78E-12 |
| <i>PL-5283</i> | 0.43088091 | 3.61E-16 | 5.86E-12 |
| <i>RPS2</i> | 0.43069011 | 3.73E-16 | 6.05E-12 |
| <i>C12orf32</i> | 0.43058516 | 3.80E-16 | 6.16E-12 |
| <i>ACOT9</i> | 0.43056977 | 3.81E-16 | 6.18E-12 |
| <i>RRP7B</i> | 0.43045264 | 3.88E-16 | 6.30E-12 |
| <i>HMGB3</i> | 0.43044355 | 3.89E-16 | 6.31E-12 |
| <i>RARS</i> | 0.43038959 | 3.93E-16 | 6.37E-12 |
| <i>RPL37A</i> | 0.43019542 | 4.06E-16 | 6.59E-12 |
| <i>TTLL4</i> | 0.42988821 | 4.28E-16 | 6.95E-12 |
| <i>ESF1</i> | 0.42979078 | 4.36E-16 | 7.06E-12 |
| <i>MTAP</i> | 0.42971151 | 4.42E-16 | 7.16E-12 |
| <i>NKPD1</i> | 0.42950008 | 4.58E-16 | 7.43E-12 |
| <i>KIAA1143</i> | 0.42934387 | 4.71E-16 | 7.63E-12 |
| <i>MORC2</i> | 0.42933058 | 4.72E-16 | 7.64E-12 |
| <i>PRKAR1B</i> | 0.42900356 | 4.99E-16 | 8.08E-12 |
| <i>TTC35</i> | 0.42886493 | 5.11E-16 | 8.28E-12 |
| <i>KLHL35</i> | 0.42855051 | 5.40E-16 | 8.74E-12 |
| <i>RPL29</i> | 0.4285205 | 5.42E-16 | 8.78E-12 |
| <i>BRCC3</i> | 0.42845564 | 5.49E-16 | 8.88E-12 |
| <i>FERMT1</i> | 0.42820641 | 5.73E-16 | 9.27E-12 |
| <i>ARID3A</i> | 0.4279552 | 5.98E-16 | 9.67E-12 |

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| <i>ATP13A3</i> | 0.42793094 | 6.00E-16 | 9.71E-12 |
| <i>RPL6</i> | 0.42773153 | 6.21E-16 | 1.00E-11 |
| <i>NAT6</i> | 0.42763473 | 6.32E-16 | 1.02E-11 |
| <i>MYL6B</i> | 0.42760923 | 6.35E-16 | 1.03E-11 |
| <i>SF3A3</i> | 0.42751488 | 6.45E-16 | 1.04E-11 |
| <i>TMEM189</i> | 0.42735872 | 6.62E-16 | 1.07E-11 |
| <i>TBPL1</i> | 0.42718509 | 6.82E-16 | 1.10E-11 |
| <i>PRDX1</i> | 0.42713509 | 6.88E-16 | 1.11E-11 |
| <i>HRSP12</i> | 0.4270623 | 6.97E-16 | 1.13E-11 |
| <i>VAPB</i> | 0.42667508 | 7.45E-16 | 1.20E-11 |
| <i>TMEM105</i> | 0.426638 | 7.50E-16 | 1.21E-11 |
| <i>LOC728643</i> | 0.42627632 | 7.97E-16 | 1.29E-11 |
| <i>TH</i> | 0.42620695 | 8.07E-16 | 1.30E-11 |
| <i>CCDC74A</i> | 0.42616585 | 8.13E-16 | 1.31E-11 |
| <i>HSPA14</i> | 0.42611475 | 8.20E-16 | 1.32E-11 |
| <i>MED27</i> | 0.42609521 | 8.22E-16 | 1.33E-11 |
| <i>KIF11</i> | 0.4260593 | 8.28E-16 | 1.33E-11 |
| <i>BFAR</i> | 0.42604623 | 8.29E-16 | 1.34E-11 |
| <i>TMEM70</i> | 0.4259036 | 8.50E-16 | 1.37E-11 |
| <i>CELSR3</i> | 0.42576697 | 8.70E-16 | 1.40E-11 |
| <i>HNRNPU</i> | 0.42553751 | 9.05E-16 | 1.46E-11 |
| <i>COMMD6</i> | 0.42526001 | 9.49E-16 | 1.53E-11 |
| <i>RELL2</i> | 0.42505712 | 9.82E-16 | 1.58E-11 |
| <i>NUDT3</i> | 0.42499856 | 9.92E-16 | 1.60E-11 |
| <i>C1orf180</i> | 0.42495484 | 9.99E-16 | 1.61E-11 |
| <i>UNC93A</i> | 0.42489751 | 1.01E-15 | 1.62E-11 |
| <i>ANAPC1</i> | 0.42466676 | 1.05E-15 | 1.69E-11 |
| <i>KIF24</i> | 0.42463431 | 1.06E-15 | 1.70E-11 |
| <i>REXO2</i> | 0.42461335 | 1.06E-15 | 1.70E-11 |
| <i>LZTFL1</i> | 0.4244852 | 1.08E-15 | 1.74E-11 |
| <i>RNFT2</i> | 0.42443149 | 1.09E-15 | 1.76E-11 |
| <i>NAA50</i> | 0.42441451 | 1.10E-15 | 1.76E-11 |
| <i>SHMT2</i> | 0.42440682 | 1.10E-15 | 1.76E-11 |
| <i>C12orf24</i> | 0.42429567 | 1.12E-15 | 1.80E-11 |
| <i>FEN1</i> | 0.4242585 | 1.12E-15 | 1.81E-11 |
| <i>GABRE</i> | 0.42422459 | 1.13E-15 | 1.82E-11 |
| <i>FAM64A</i> | 0.42415789 | 1.14E-15 | 1.84E-11 |
| <i>CLCN5</i> | 0.42404169 | 1.17E-15 | 1.87E-11 |
| <i>TMEM182</i> | 0.42402833 | 1.17E-15 | 1.88E-11 |
| <i>MRPS12</i> | 0.4240276 | 1.17E-15 | 1.88E-11 |
| <i>C17orf86</i> | 0.42345794 | 1.29E-15 | 2.07E-11 |
| <i>C19orf24</i> | 0.42342453 | 1.30E-15 | 2.08E-11 |
| <i>MSX2</i> | 0.4233342 | 1.32E-15 | 2.11E-11 |
| <i>GLYATL1</i> | 0.42302044 | 1.39E-15 | 2.23E-11 |
| <i>TMEM185B</i> | 0.42300257 | 1.39E-15 | 2.23E-11 |
| <i>DVWA</i> | 0.42274784 | 1.45E-15 | 2.33E-11 |
| <i>TMEM5</i> | 0.42264409 | 1.48E-15 | 2.37E-11 |
| <i>C16orf87</i> | 0.42259637 | 1.49E-15 | 2.39E-11 |
| <i>IRAK1BP1</i> | 0.42245244 | 1.53E-15 | 2.45E-11 |
| <i>NUP155</i> | 0.4223501 | 1.55E-15 | 2.49E-11 |
| <i>COL11A1</i> | 0.4223005 | 1.57E-15 | 2.51E-11 |

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| <i>BTF3</i> | 0.42220967 | 1.59E-15 | 2.55E-11 |
| <i>FANCA</i> | 0.42203187 | 1.64E-15 | 2.63E-11 |
| <i>FAM40B</i> | 0.42202497 | 1.64E-15 | 2.63E-11 |
| <i>WDR92</i> | 0.42183601 | 1.69E-15 | 2.71E-11 |
| <i>POLR2H</i> | 0.42177142 | 1.71E-15 | 2.74E-11 |
| <i>IMP4</i> | 0.42167018 | 1.74E-15 | 2.79E-11 |
| <i>C19orf40</i> | 0.42153914 | 1.78E-15 | 2.85E-11 |
| <i>TSGA14</i> | 0.42117134 | 1.90E-15 | 3.03E-11 |
| <i>TM9SF4</i> | 0.42102722 | 1.94E-15 | 3.11E-11 |
| <i>GRAMD1A</i> | 0.42064996 | 2.07E-15 | 3.31E-11 |
| <i>AMZ2</i> | 0.4206163 | 2.08E-15 | 3.33E-11 |
| <i>SRD5A1</i> | 0.42055422 | 2.10E-15 | 3.36E-11 |
| <i>ZNF431</i> | 0.42051149 | 2.12E-15 | 3.38E-11 |
| <i>MIIP</i> | 0.42045029 | 2.14E-15 | 3.42E-11 |
| <i>C16orf75</i> | 0.42036008 | 2.17E-15 | 3.47E-11 |
| <i>WBSCR28</i> | 0.42033376 | 2.18E-15 | 3.49E-11 |
| <i>CDKN2AIPNL</i> | 0.42020532 | 2.23E-15 | 3.56E-11 |
| <i>PCGF6</i> | 0.42019326 | 2.23E-15 | 3.57E-11 |
| <i>MARS2</i> | 0.42015459 | 2.25E-15 | 3.59E-11 |
| <i>NEK3</i> | 0.42004145 | 2.29E-15 | 3.66E-11 |
| <i>SUB1</i> | 0.41998266 | 2.31E-15 | 3.69E-11 |
| <i>PLAGL2</i> | 0.41977417 | 2.40E-15 | 3.82E-11 |
| <i>C6orf134</i> | 0.41967194 | 2.44E-15 | 3.89E-11 |
| <i>TGIF1</i> | 0.41959195 | 2.47E-15 | 3.94E-11 |
| <i>KCNJ14</i> | 0.41952578 | 2.50E-15 | 3.98E-11 |
| <i>RRN3</i> | 0.4194882 | 2.51E-15 | 4.01E-11 |
| <i>MRPS30</i> | 0.41944634 | 2.53E-15 | 4.04E-11 |
| <i>DDX12</i> | 0.41943798 | 2.53E-15 | 4.04E-11 |
| <i>PTPMT1</i> | 0.41936366 | 2.57E-15 | 4.09E-11 |
| <i>YARS</i> | 0.41903996 | 2.71E-15 | 4.32E-11 |
| <i>TOMM70A</i> | 0.41889288 | 2.78E-15 | 4.42E-11 |
| <i>COMT</i> | 0.41885654 | 2.79E-15 | 4.45E-11 |
| <i>SAE1</i> | 0.41883158 | 2.81E-15 | 4.47E-11 |
| <i>NME2P1</i> | 0.41878874 | 2.83E-15 | 4.50E-11 |
| <i>REXO4</i> | 0.41865078 | 2.89E-15 | 4.60E-11 |
| <i>TPP2</i> | 0.4186445 | 2.89E-15 | 4.61E-11 |
| <i>LFNG</i> | 0.41835697 | 3.04E-15 | 4.83E-11 |
| <i>ARHGEF19</i> | 0.41802433 | 3.21E-15 | 5.10E-11 |
| <i>NGDN</i> | 0.41791968 | 3.27E-15 | 5.19E-11 |
| <i>PSMD4</i> | 0.41784958 | 3.30E-15 | 5.25E-11 |
| <i>TXLNG</i> | 0.41765054 | 3.42E-15 | 5.43E-11 |
| <i>CCNC</i> | 0.417529 | 3.48E-15 | 5.54E-11 |
| <i>VARS</i> | 0.41740308 | 3.56E-15 | 5.65E-11 |
| <i>ZSWIM1</i> | 0.41730713 | 3.62E-15 | 5.74E-11 |
| <i>MTCP1NB</i> | 0.41716579 | 3.70E-15 | 5.88E-11 |
| <i>LOC440944</i> | 0.41703146 | 3.78E-15 | 6.01E-11 |
| <i>TDP1</i> | 0.41671202 | 3.99E-15 | 6.34E-11 |
| <i>EEF1B2</i> | 0.41661662 | 4.05E-15 | 6.44E-11 |
| <i>RAD21</i> | 0.41649423 | 4.14E-15 | 6.57E-11 |
| <i>BCL2L1</i> | 0.41647943 | 4.15E-15 | 6.58E-11 |
| <i>MBTPS2</i> | 0.41640235 | 4.20E-15 | 6.67E-11 |

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| <i>IPO4</i> | 0.41635128 | 4.24E-15 | 6.72E-11 |
| <i>CLEC2D</i> | 0.41627102 | 4.29E-15 | 6.81E-11 |
| <i>C12orf65</i> | 0.41599013 | 4.50E-15 | 7.13E-11 |
| <i>VSNL1</i> | 0.4159625 | 4.52E-15 | 7.17E-11 |
| <i>HNRNPD</i> | 0.41593218 | 4.54E-15 | 7.20E-11 |
| <i>RNASEH1</i> | 0.41585883 | 4.60E-15 | 7.29E-11 |
| <i>CASP2</i> | 0.41582399 | 4.62E-15 | 7.33E-11 |
| <i>ANKRD49</i> | 0.41555972 | 4.83E-15 | 7.65E-11 |
| <i>SAAL1</i> | 0.41548305 | 4.89E-15 | 7.75E-11 |
| <i>ERAL1</i> | 0.41538814 | 4.97E-15 | 7.87E-11 |
| <i>PTRH1</i> | 0.4153242 | 5.02E-15 | 7.95E-11 |
| <i>CCDC76</i> | 0.41519104 | 5.13E-15 | 8.13E-11 |
| <i>CNPY3</i> | 0.41506708 | 5.24E-15 | 8.29E-11 |
| <i>TMEM14A</i> | 0.41504434 | 5.26E-15 | 8.32E-11 |
| <i>LRWD1</i> | 0.41501476 | 5.28E-15 | 8.36E-11 |
| <i>SUMO1P3</i> | 0.41490056 | 5.38E-15 | 8.52E-11 |
| <i>C19orf22</i> | 0.41485126 | 5.43E-15 | 8.59E-11 |
| <i>NT5DC2</i> | 0.41484596 | 5.43E-15 | 8.60E-11 |
| <i>GRPEL1</i> | 0.41460087 | 5.66E-15 | 8.95E-11 |
| <i>STIL</i> | 0.41452121 | 5.73E-15 | 9.07E-11 |
| <i>ZNF761</i> | 0.4143596 | 5.88E-15 | 9.31E-11 |
| <i>HTR1D</i> | 0.41420422 | 6.04E-15 | 9.55E-11 |
| <i>THADA</i> | 0.41413822 | 6.10E-15 | 9.65E-11 |
| <i>DNAH14</i> | 0.41396496 | 6.28E-15 | 9.92E-11 |
| <i>DDX19A</i> | 0.41391945 | 6.33E-15 | 1.00E-10 |
| <i>GOLGA7B</i> | 0.41389217 | 6.35E-15 | 1.00E-10 |
| <i>CRLS1</i> | 0.41388046 | 6.37E-15 | 1.01E-10 |
| <i>FAM161A</i> | 0.41364381 | 6.62E-15 | 1.05E-10 |
| <i>TPD52L1</i> | 0.41358912 | 6.68E-15 | 1.05E-10 |
| <i>TMPRSS13</i> | 0.41340144 | 6.89E-15 | 1.09E-10 |
| <i>LOC728554</i> | 0.41336646 | 6.93E-15 | 1.09E-10 |
| <i>RBM19</i> | 0.41336125 | 6.93E-15 | 1.09E-10 |
| <i>LOC389791</i> | 0.41324697 | 7.06E-15 | 1.11E-10 |
| <i>ISY1</i> | 0.41301463 | 7.34E-15 | 1.16E-10 |
| <i>C1orf170</i> | 0.41289053 | 7.49E-15 | 1.18E-10 |
| <i>ALDH4A1</i> | 0.41266131 | 7.77E-15 | 1.23E-10 |
| <i>TNPO2</i> | 0.41248066 | 8.01E-15 | 1.26E-10 |
| <i>WFDC10A</i> | 0.41240306 | 8.11E-15 | 1.28E-10 |
| <i>MIF</i> | 0.41228788 | 8.26E-15 | 1.30E-10 |
| <i>EBP</i> | 0.41220829 | 8.37E-15 | 1.32E-10 |
| <i>CCND1</i> | 0.41212422 | 8.49E-15 | 1.34E-10 |
| <i>PMS2L3</i> | 0.41204854 | 8.59E-15 | 1.35E-10 |
| <i>YRDC</i> | 0.41203133 | 8.62E-15 | 1.36E-10 |
| <i>CXorf26</i> | 0.41192119 | 8.77E-15 | 1.38E-10 |
| <i>EFCAB7</i> | 0.41188178 | 8.83E-15 | 1.39E-10 |
| <i>SRRT</i> | 0.41186648 | 8.85E-15 | 1.39E-10 |
| <i>AATF</i> | 0.41166769 | 9.14E-15 | 1.44E-10 |
| <i>SKA2</i> | 0.41160333 | 9.24E-15 | 1.45E-10 |
| <i>ZDHHC6</i> | 0.41158381 | 9.27E-15 | 1.46E-10 |
| <i>DUS1L</i> | 0.41138254 | 9.58E-15 | 1.51E-10 |
| <i>IMMP1L</i> | 0.41113212 | 9.97E-15 | 1.57E-10 |

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| <i>TRA2B</i> | 0.41105367 | 1.01E-14 | 1.59E-10 |
| <i>C2orf44</i> | 0.41100669 | 1.02E-14 | 1.60E-10 |
| <i>METTL8</i> | 0.41074752 | 1.06E-14 | 1.67E-10 |
| <i>PPPDE2</i> | 0.41059112 | 1.09E-14 | 1.71E-10 |
| <i>NCRNA0015</i> | 0.41058114 | 1.09E-14 | 1.71E-10 |
| <i>EHMT2</i> | 0.41057958 | 1.09E-14 | 1.71E-10 |
| <i>MEA1</i> | 0.41055471 | 1.10E-14 | 1.72E-10 |
| <i>ATP6V1G1</i> | 0.41052567 | 1.10E-14 | 1.73E-10 |
| <i>USP6NL</i> | 0.4104912 | 1.11E-14 | 1.74E-10 |
| <i>RFC5</i> | 0.41047929 | 1.11E-14 | 1.74E-10 |
| <i>RPS25</i> | 0.41040804 | 1.12E-14 | 1.76E-10 |
| <i>XKRX</i> | 0.4103833 | 1.13E-14 | 1.77E-10 |
| <i>SHROOM4</i> | 0.41036756 | 1.13E-14 | 1.77E-10 |
| <i>DHRS2</i> | 0.41032212 | 1.14E-14 | 1.79E-10 |
| <i>LCN12</i> | 0.41026261 | 1.15E-14 | 1.80E-10 |
| <i>TIMELESS</i> | 0.4101652 | 1.17E-14 | 1.83E-10 |
| <i>C20orf27</i> | 0.40993805 | 1.21E-14 | 1.90E-10 |
| <i>TIPIN</i> | 0.40990188 | 1.22E-14 | 1.91E-10 |
| <i>DFFB</i> | 0.40976819 | 1.24E-14 | 1.95E-10 |
| <i>AMELX</i> | 0.4096301 | 1.27E-14 | 2.00E-10 |
| <i>PACRGL</i> | 0.40953631 | 1.29E-14 | 2.03E-10 |
| <i>LAPTMA4B</i> | 0.40947606 | 1.30E-14 | 2.04E-10 |
| <i>TRIM28</i> | 0.40945187 | 1.31E-14 | 2.05E-10 |
| <i>SNHG7</i> | 0.40918218 | 1.37E-14 | 2.14E-10 |
| <i>LRRC58</i> | 0.40914139 | 1.38E-14 | 2.16E-10 |
| <i>SNORD1C</i> | 0.40914015 | 1.38E-14 | 2.16E-10 |
| <i>ASXL1</i> | 0.40904582 | 1.40E-14 | 2.19E-10 |
| <i>SH3TC2</i> | 0.40894283 | 1.42E-14 | 2.23E-10 |
| <i>HMGN1</i> | 0.40881049 | 1.45E-14 | 2.27E-10 |
| <i>GSTCD</i> | 0.40877076 | 1.46E-14 | 2.29E-10 |
| <i>LYRM1</i> | 0.40859422 | 1.50E-14 | 2.35E-10 |
| <i>FXYD5</i> | 0.40858858 | 1.51E-14 | 2.36E-10 |
| <i>ACPL2</i> | 0.40852433 | 1.52E-14 | 2.38E-10 |
| <i>BTG3</i> | 0.40837019 | 1.56E-14 | 2.44E-10 |
| <i>DDX49</i> | 0.40824054 | 1.59E-14 | 2.49E-10 |
| <i>LOC727896</i> | 0.40822588 | 1.60E-14 | 2.50E-10 |
| <i>FBXO22OS</i> | 0.40808851 | 1.63E-14 | 2.55E-10 |
| <i>CBX1</i> | 0.40804502 | 1.64E-14 | 2.57E-10 |
| <i>RAD51L1</i> | 0.40791612 | 1.68E-14 | 2.62E-10 |
| <i>RAB36</i> | 0.40776517 | 1.72E-14 | 2.69E-10 |
| <i>C5orf54</i> | 0.40776126 | 1.72E-14 | 2.69E-10 |
| <i>MGC57346</i> | 0.40755849 | 1.78E-14 | 2.78E-10 |
| <i>EXOSC9</i> | 0.40753666 | 1.78E-14 | 2.78E-10 |
| <i>ZFP64</i> | 0.40745532 | 1.81E-14 | 2.82E-10 |
| <i>FBXO22</i> | 0.40728731 | 1.86E-14 | 2.90E-10 |
| <i>MORN2</i> | 0.40726405 | 1.86E-14 | 2.91E-10 |
| <i>SCARNA12</i> | 0.40722335 | 1.88E-14 | 2.93E-10 |
| <i>RPL38</i> | 0.40719242 | 1.89E-14 | 2.94E-10 |
| <i>FIP1L1</i> | 0.40702407 | 1.94E-14 | 3.02E-10 |
| <i>TCP1</i> | 0.40699802 | 1.94E-14 | 3.03E-10 |
| <i>PIH1D2</i> | 0.40696986 | 1.95E-14 | 3.05E-10 |

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| <i>DDX1</i> | 0.40694429 | 1.96E-14 | 3.06E-10 |
| <i>CLDN16</i> | 0.40688268 | 1.98E-14 | 3.09E-10 |
| <i>IRAK1</i> | 0.40687021 | 1.99E-14 | 3.09E-10 |
| <i>FAM83D</i> | 0.40671833 | 2.03E-14 | 3.17E-10 |
| <i>NUDT15</i> | 0.40665983 | 2.05E-14 | 3.20E-10 |
| <i>HAUS3</i> | 0.40654997 | 2.09E-14 | 3.26E-10 |
| <i>TARS</i> | 0.40650247 | 2.11E-14 | 3.28E-10 |
| <i>AVL9</i> | 0.40642326 | 2.13E-14 | 3.32E-10 |
| <i>ARL6IP6</i> | 0.40639715 | 2.14E-14 | 3.34E-10 |
| <i>EPHB4</i> | 0.40636317 | 2.15E-14 | 3.35E-10 |
| <i>TADA1</i> | 0.40628997 | 2.18E-14 | 3.39E-10 |
| <i>GSS</i> | 0.40621184 | 2.21E-14 | 3.43E-10 |
| <i>CCDC123</i> | 0.40619643 | 2.21E-14 | 3.44E-10 |
| <i>CXCL3</i> | 0.40602492 | 2.27E-14 | 3.54E-10 |
| <i>ASGR1</i> | 0.40601589 | 2.28E-14 | 3.54E-10 |
| <i>DUSP15</i> | 0.4059603 | 2.30E-14 | 3.57E-10 |
| <i>UBQLN4</i> | 0.40594767 | 2.30E-14 | 3.58E-10 |
| <i>PFDN1</i> | 0.40587884 | 2.33E-14 | 3.62E-10 |
| <i>FAM84B</i> | 0.40582936 | 2.35E-14 | 3.65E-10 |
| <i>ANXA9</i> | 0.40574826 | 2.38E-14 | 3.70E-10 |
| <i>CYP2S1</i> | 0.4054501 | 2.49E-14 | 3.87E-10 |
| <i>USP27X</i> | 0.40539683 | 2.51E-14 | 3.91E-10 |
| <i>C17orf89</i> | 0.4053491 | 2.53E-14 | 3.94E-10 |
| <i>CCDC18</i> | 0.4051472 | 2.61E-14 | 4.06E-10 |
| <i>SNAPC1</i> | 0.40511781 | 2.63E-14 | 4.08E-10 |
| <i>ROD1</i> | 0.40481311 | 2.76E-14 | 4.28E-10 |
| <i>RPAP2</i> | 0.40472097 | 2.80E-14 | 4.35E-10 |
| <i>7-Sep</i> | 0.40457837 | 2.86E-14 | 4.45E-10 |
| <i>SLC12A8</i> | 0.40426966 | 3.01E-14 | 4.67E-10 |
| <i>COPG2</i> | 0.40400064 | 3.14E-14 | 4.87E-10 |
| <i>CELP</i> | 0.40399 | 3.14E-14 | 4.88E-10 |
| <i>GPX2</i> | 0.40368591 | 3.30E-14 | 5.12E-10 |
| <i>EEF1D</i> | 0.40356897 | 3.36E-14 | 5.21E-10 |
| <i>BIVM</i> | 0.40355085 | 3.37E-14 | 5.23E-10 |
| <i>PITPNB</i> | 0.403491 | 3.40E-14 | 5.28E-10 |
| <i>XPNPEP3</i> | 0.40345689 | 3.42E-14 | 5.30E-10 |
| <i>FAM76B</i> | 0.40327677 | 3.52E-14 | 5.46E-10 |
| <i>CHMP4C</i> | 0.40325634 | 3.53E-14 | 5.47E-10 |
| <i>RBM3</i> | 0.40320204 | 3.56E-14 | 5.52E-10 |
| <i>ZNF322A</i> | 0.40295645 | 3.70E-14 | 5.74E-10 |
| <i>LARP4</i> | 0.40290532 | 3.73E-14 | 5.78E-10 |
| <i>CMTM7</i> | 0.4028401 | 3.77E-14 | 5.84E-10 |
| <i>SLC25A39</i> | 0.40271099 | 3.85E-14 | 5.96E-10 |
| <i>TALDO1</i> | 0.40252302 | 3.97E-14 | 6.14E-10 |
| <i>RANGAP1</i> | 0.40224707 | 4.14E-14 | 6.41E-10 |
| <i>GSPT1</i> | 0.40212383 | 4.22E-14 | 6.54E-10 |
| <i>EFNA4</i> | 0.4020417 | 4.28E-14 | 6.62E-10 |
| <i>OXTR</i> | 0.40194695 | 4.34E-14 | 6.72E-10 |
| <i>NHP2L1</i> | 0.40157777 | 4.60E-14 | 7.12E-10 |
| <i>FBXO41</i> | 0.40154721 | 4.63E-14 | 7.15E-10 |
| <i>DPH5</i> | 0.40153584 | 4.63E-14 | 7.17E-10 |

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| <i>NUP54</i> | 0.40148868 | 4.67E-14 | 7.22E-10 |
| <i>AVEN</i> | 0.40142099 | 4.72E-14 | 7.29E-10 |
| <i>LOC1001255</i> | 0.40141628 | 4.72E-14 | 7.30E-10 |
| <i>CHCHD8</i> | 0.40134192 | 4.78E-14 | 7.38E-10 |
| <i>ANGEL1</i> | 0.40118643 | 4.90E-14 | 7.57E-10 |
| <i>ProSAPiP1</i> | 0.40105279 | 5.00E-14 | 7.72E-10 |
| <i>KIF3A</i> | 0.40103666 | 5.01E-14 | 7.74E-10 |
| <i>DUSP12</i> | 0.40099499 | 5.05E-14 | 7.79E-10 |
| <i>CARD14</i> | 0.40081198 | 5.19E-14 | 8.02E-10 |
| <i>PAPD5</i> | 0.40064037 | 5.34E-14 | 8.24E-10 |
| <i>NEK5</i> | 0.40057655 | 5.39E-14 | 8.32E-10 |
| <i>C11orf46</i> | 0.4005262 | 5.43E-14 | 8.38E-10 |
| <i>PCNP</i> | 0.40026099 | 5.66E-14 | 8.74E-10 |
| <i>FAM72B</i> | 0.40014677 | 5.76E-14 | 8.89E-10 |
| <i>FAM53A</i> | 0.40005126 | 5.85E-14 | 9.02E-10 |
| <i>THOC6</i> | 0.4000509 | 5.85E-14 | 9.02E-10 |
| <i>PSIMCT-1</i> | 0.40000356 | 5.90E-14 | 9.09E-10 |
| <i>ELK1</i> | 0.3998364 | 6.05E-14 | 9.33E-10 |
| <i>KLK6</i> | 0.39961337 | 6.27E-14 | 9.66E-10 |
| <i>TECR</i> | 0.39957059 | 6.31E-14 | 9.72E-10 |
| <i>SLC7A11</i> | 0.39946867 | 6.41E-14 | 9.87E-10 |
| <i>MAD2L2</i> | 0.39937603 | 6.50E-14 | 1.00E-09 |
| <i>YWHAZ</i> | 0.39923993 | 6.64E-14 | 1.02E-09 |
| <i>C7orf28B</i> | 0.39914357 | 6.74E-14 | 1.04E-09 |
| <i>PNN</i> | 0.39898511 | 6.91E-14 | 1.06E-09 |
| <i>NT5C3L</i> | 0.39897636 | 6.92E-14 | 1.07E-09 |
| <i>DCUN1D2</i> | 0.39880726 | 7.11E-14 | 1.09E-09 |
| <i>C10orf84</i> | 0.39877028 | 7.15E-14 | 1.10E-09 |
| <i>WDR90</i> | 0.398764 | 7.16E-14 | 1.10E-09 |
| <i>TRUB1</i> | 0.39869256 | 7.24E-14 | 1.11E-09 |
| <i>C1orf96</i> | 0.39868579 | 7.24E-14 | 1.11E-09 |
| <i>ZSCAN16</i> | 0.39864089 | 7.30E-14 | 1.12E-09 |
| <i>TMEM132A</i> | 0.39856193 | 7.39E-14 | 1.14E-09 |
| <i>GOLT1A</i> | 0.39842669 | 7.54E-14 | 1.16E-09 |
| <i>MTHFD1</i> | 0.39820771 | 7.81E-14 | 1.20E-09 |
| <i>TYSND1</i> | 0.39813916 | 7.89E-14 | 1.21E-09 |
| <i>PHF5A</i> | 0.3979736 | 8.09E-14 | 1.24E-09 |
| <i>POFUT1</i> | 0.39787066 | 8.23E-14 | 1.26E-09 |
| <i>RPRD1B</i> | 0.39784753 | 8.26E-14 | 1.27E-09 |
| <i>HMBS</i> | 0.3978254 | 8.28E-14 | 1.27E-09 |
| <i>LOC645332</i> | 0.39768953 | 8.46E-14 | 1.30E-09 |
| <i>LRRC49</i> | 0.39766468 | 8.49E-14 | 1.30E-09 |
| <i>IFITM3</i> | 0.39758145 | 8.60E-14 | 1.32E-09 |
| <i>MANBAL</i> | 0.39757203 | 8.62E-14 | 1.32E-09 |
| <i>LOC729020</i> | 0.39744038 | 8.79E-14 | 1.35E-09 |
| <i>PLP2</i> | 0.39743821 | 8.80E-14 | 1.35E-09 |
| <i>C20orf46</i> | 0.39703682 | 9.36E-14 | 1.44E-09 |
| <i>IRF2BP2</i> | 0.39686228 | 9.62E-14 | 1.48E-09 |
| <i>PMS2L5</i> | 0.39674004 | 9.80E-14 | 1.50E-09 |
| <i>ECD</i> | 0.39663028 | 9.97E-14 | 1.53E-09 |
| <i>LOC349114</i> | 0.39662113 | 9.99E-14 | 1.53E-09 |

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| <i>ARHGAP39</i> | 0.39651627 | 1.02E-13 | 1.56E-09 |
| <i>EBAG9</i> | 0.39643869 | 1.03E-13 | 1.57E-09 |
| <i>PTK2</i> | 0.3959197 | 1.11E-13 | 1.71E-09 |
| <i>RPS10</i> | 0.3957421 | 1.14E-13 | 1.75E-09 |
| <i>DYX1C1</i> | 0.3955428 | 1.18E-13 | 1.81E-09 |
| <i>GMEB2</i> | 0.39541663 | 1.20E-13 | 1.84E-09 |
| <i>ATP6V1E2</i> | 0.39537974 | 1.21E-13 | 1.85E-09 |
| <i>SNRPD3</i> | 0.39537261 | 1.21E-13 | 1.85E-09 |
| <i>GIN54</i> | 0.3953685 | 1.21E-13 | 1.86E-09 |
| <i>EPT1</i> | 0.39525505 | 1.23E-13 | 1.89E-09 |
| <i>AHSA1</i> | 0.39521999 | 1.24E-13 | 1.90E-09 |
| <i>FZD6</i> | 0.39519401 | 1.25E-13 | 1.90E-09 |
| <i>POC1B</i> | 0.39518014 | 1.25E-13 | 1.91E-09 |
| <i>USP31</i> | 0.39511529 | 1.26E-13 | 1.93E-09 |
| <i>NPRL3</i> | 0.39511318 | 1.26E-13 | 1.93E-09 |
| <i>FAM185A</i> | 0.3950667 | 1.27E-13 | 1.94E-09 |
| <i>NME1-NME2</i> | 0.39498711 | 1.29E-13 | 1.97E-09 |
| <i>VASH2</i> | 0.39462949 | 1.36E-13 | 2.08E-09 |
| <i>PSMB5</i> | 0.39457183 | 1.37E-13 | 2.09E-09 |
| <i>SNAI1</i> | 0.39445579 | 1.40E-13 | 2.13E-09 |
| <i>EIF3D</i> | 0.39441429 | 1.40E-13 | 2.15E-09 |
| <i>PSMA5</i> | 0.39436782 | 1.41E-13 | 2.16E-09 |
| <i>UBAP2L</i> | 0.39429812 | 1.43E-13 | 2.18E-09 |
| <i>SKP2</i> | 0.39412476 | 1.47E-13 | 2.24E-09 |
| <i>CETN3</i> | 0.39411596 | 1.47E-13 | 2.24E-09 |
| <i>INO80E</i> | 0.39411468 | 1.47E-13 | 2.25E-09 |
| <i>KISS1</i> | 0.3941029 | 1.47E-13 | 2.25E-09 |
| <i>TMEM209</i> | 0.39406618 | 1.48E-13 | 2.26E-09 |
| <i>USP36</i> | 0.39404958 | 1.48E-13 | 2.27E-09 |
| <i>ACP6</i> | 0.39397531 | 1.50E-13 | 2.29E-09 |
| <i>SMARCD2</i> | 0.39397309 | 1.50E-13 | 2.29E-09 |
| <i>MARS</i> | 0.39393092 | 1.51E-13 | 2.31E-09 |
| <i>CRIP1</i> | 0.39385187 | 1.53E-13 | 2.34E-09 |
| <i>LRRC43</i> | 0.39384805 | 1.53E-13 | 2.34E-09 |
| <i>ZWILCH</i> | 0.39377065 | 1.55E-13 | 2.36E-09 |
| <i>DHX35</i> | 0.39367161 | 1.57E-13 | 2.40E-09 |
| <i>AFMID</i> | 0.39361581 | 1.59E-13 | 2.42E-09 |
| <i>NOC2L</i> | 0.39361092 | 1.59E-13 | 2.42E-09 |
| <i>HSF1</i> | 0.39352257 | 1.61E-13 | 2.45E-09 |
| <i>FAM36A</i> | 0.39337757 | 1.65E-13 | 2.51E-09 |
| <i>PRR11</i> | 0.39329809 | 1.67E-13 | 2.54E-09 |
| <i>SCNM1</i> | 0.39329482 | 1.67E-13 | 2.54E-09 |
| <i>CDC5L</i> | 0.3932473 | 1.68E-13 | 2.56E-09 |
| <i>C17orf95</i> | 0.3932316 | 1.68E-13 | 2.56E-09 |
| <i>C2CD4A</i> | 0.39318798 | 1.69E-13 | 2.58E-09 |
| <i>TSSC1</i> | 0.3931087 | 1.72E-13 | 2.61E-09 |
| <i>HSP90AB2P</i> | 0.39305883 | 1.73E-13 | 2.63E-09 |
| <i>PDZD7</i> | 0.39301945 | 1.74E-13 | 2.65E-09 |
| <i>DDX51</i> | 0.39290851 | 1.77E-13 | 2.69E-09 |
| <i>ESD</i> | 0.39289824 | 1.77E-13 | 2.70E-09 |
| <i>MRPS15</i> | 0.3928345 | 1.79E-13 | 2.72E-09 |

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| <i>PHLDA1</i> | 0.39274476 | 1.81E-13 | 2.76E-09 |
| <i>AHI1</i> | 0.39274192 | 1.81E-13 | 2.76E-09 |
| <i>C16orf68</i> | 0.39270803 | 1.82E-13 | 2.78E-09 |
| <i>RRM1</i> | 0.39264487 | 1.84E-13 | 2.80E-09 |
| <i>INTS6</i> | 0.39262435 | 1.85E-13 | 2.81E-09 |
| <i>PRPF39</i> | 0.39219963 | 1.97E-13 | 3.00E-09 |
| <i>PSMB2</i> | 0.39212098 | 1.99E-13 | 3.03E-09 |
| <i>MTHFD2L</i> | 0.39208851 | 2.00E-13 | 3.05E-09 |
| <i>USP10</i> | 0.39197071 | 2.04E-13 | 3.10E-09 |
| <i>EIF4EBP1</i> | 0.39195083 | 2.05E-13 | 3.11E-09 |
| <i>PMS2CL</i> | 0.39181049 | 2.09E-13 | 3.18E-09 |
| <i>HBS1L</i> | 0.39169315 | 2.13E-13 | 3.24E-09 |
| <i>ARMC1</i> | 0.39156381 | 2.17E-13 | 3.30E-09 |
| <i>GRHL2</i> | 0.39133491 | 2.25E-13 | 3.42E-09 |
| <i>LOC652276</i> | 0.39102765 | 2.36E-13 | 3.58E-09 |
| <i>HSPA9</i> | 0.39097163 | 2.38E-13 | 3.61E-09 |
| <i>ARL5A</i> | 0.39095293 | 2.38E-13 | 3.62E-09 |
| <i>GOLT1B</i> | 0.39086389 | 2.42E-13 | 3.67E-09 |
| <i>INHBA</i> | 0.39083251 | 2.43E-13 | 3.68E-09 |
| <i>TRIM29</i> | 0.39067094 | 2.49E-13 | 3.77E-09 |
| <i>YWHAB</i> | 0.39061335 | 2.51E-13 | 3.81E-09 |
| <i>CWC22</i> | 0.3905446 | 2.54E-13 | 3.85E-09 |
| <i>C8orf45</i> | 0.39054165 | 2.54E-13 | 3.85E-09 |
| <i>SLC2A12</i> | 0.3905046 | 2.55E-13 | 3.87E-09 |
| <i>LIG1</i> | 0.39044921 | 2.57E-13 | 3.90E-09 |
| <i>ST7OT4</i> | 0.39002062 | 2.75E-13 | 4.16E-09 |
| <i>MED28</i> | 0.38997232 | 2.77E-13 | 4.19E-09 |
| <i>GPR3</i> | 0.38987327 | 2.81E-13 | 4.25E-09 |
| <i>MRPL18</i> | 0.38966205 | 2.90E-13 | 4.39E-09 |
| <i>RRP1B</i> | 0.38942041 | 3.01E-13 | 4.55E-09 |
| <i>TSEN54</i> | 0.38941233 | 3.01E-13 | 4.56E-09 |
| <i>ORC4L</i> | 0.38938055 | 3.02E-13 | 4.58E-09 |
| <i>CBWD6</i> | 0.38931618 | 3.05E-13 | 4.62E-09 |
| <i>SYPL1</i> | 0.38924544 | 3.09E-13 | 4.67E-09 |
| <i>CYP27B1</i> | 0.38916206 | 3.13E-13 | 4.73E-09 |
| <i>LRRC37A3</i> | 0.38901009 | 3.20E-13 | 4.84E-09 |
| <i>HSD17B7P2</i> | 0.38896144 | 3.22E-13 | 4.87E-09 |
| <i>OIP5</i> | 0.38894885 | 3.23E-13 | 4.88E-09 |
| <i>PSMD10</i> | 0.3887826 | 3.31E-13 | 5.00E-09 |
| <i>SLC7A1</i> | 0.38876381 | 3.32E-13 | 5.02E-09 |
| <i>SMC2</i> | 0.38873642 | 3.33E-13 | 5.04E-09 |
| <i>EEFSEC</i> | 0.38864059 | 3.38E-13 | 5.11E-09 |
| <i>TMEM17</i> | 0.38860858 | 3.40E-13 | 5.13E-09 |
| <i>STOML2</i> | 0.38857699 | 3.41E-13 | 5.16E-09 |
| <i>COMMD5</i> | 0.38856889 | 3.42E-13 | 5.16E-09 |
| <i>CHD7</i> | 0.38845358 | 3.48E-13 | 5.25E-09 |
| <i>RLN2</i> | 0.38836503 | 3.53E-13 | 5.32E-09 |
| <i>PARK7</i> | 0.38835971 | 3.53E-13 | 5.33E-09 |
| <i>LOC150776</i> | 0.38835937 | 3.53E-13 | 5.33E-09 |
| <i>ZNF354A</i> | 0.38829522 | 3.56E-13 | 5.38E-09 |
| <i>FAM156A</i> | 0.38824162 | 3.59E-13 | 5.42E-09 |

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| <i>ARMCX5</i> | 0.38822557 | 3.60E-13 | 5.43E-09 |
| <i>COL10A1</i> | 0.38822113 | 3.60E-13 | 5.44E-09 |
| <i>RHOT1</i> | 0.3878794 | 3.79E-13 | 5.72E-09 |
| <i>SLC17A9</i> | 0.38780556 | 3.84E-13 | 5.79E-09 |
| <i>RPS16</i> | 0.38772769 | 3.88E-13 | 5.85E-09 |
| <i>WDR8</i> | 0.38768386 | 3.91E-13 | 5.89E-09 |
| <i>TNNI3</i> | 0.38752582 | 4.00E-13 | 6.03E-09 |
| <i>CBX4</i> | 0.38746328 | 4.04E-13 | 6.09E-09 |
| <i>WDR35</i> | 0.38734479 | 4.11E-13 | 6.20E-09 |
| <i>PM20D2</i> | 0.3873025 | 4.14E-13 | 6.23E-09 |
| <i>TOMM7</i> | 0.38714539 | 4.24E-13 | 6.38E-09 |
| <i>TRPC4AP</i> | 0.38702968 | 4.31E-13 | 6.49E-09 |
| <i>APLF</i> | 0.38690221 | 4.39E-13 | 6.62E-09 |
| <i>SYT7</i> | 0.38689263 | 4.40E-13 | 6.62E-09 |
| <i>UCA1</i> | 0.38684917 | 4.43E-13 | 6.67E-09 |
| <i>CDR2</i> | 0.38680996 | 4.45E-13 | 6.71E-09 |
| <i>ZNF250</i> | 0.38650021 | 4.67E-13 | 7.02E-09 |
| <i>MARCKSL1</i> | 0.38648153 | 4.68E-13 | 7.04E-09 |
| <i>FAM119A</i> | 0.38643648 | 4.71E-13 | 7.09E-09 |
| <i>RPL5</i> | 0.38637918 | 4.75E-13 | 7.15E-09 |
| <i>C20orf134</i> | 0.38632345 | 4.79E-13 | 7.21E-09 |
| <i>THYN1</i> | 0.38618535 | 4.89E-13 | 7.36E-09 |
| <i>C8orf38</i> | 0.38614788 | 4.92E-13 | 7.40E-09 |
| <i>MRPL11</i> | 0.38607919 | 4.97E-13 | 7.47E-09 |
| <i>SP6</i> | 0.3860451 | 4.99E-13 | 7.51E-09 |
| <i>DAZAP1</i> | 0.38588027 | 5.12E-13 | 7.69E-09 |
| <i>CDC20</i> | 0.38587026 | 5.13E-13 | 7.70E-09 |
| <i>FAM173B</i> | 0.38562843 | 5.31E-13 | 7.98E-09 |
| <i>ING1</i> | 0.38562485 | 5.32E-13 | 7.99E-09 |
| <i>RGS16</i> | 0.38561755 | 5.32E-13 | 8.00E-09 |
| <i>MSI2</i> | 0.38561633 | 5.32E-13 | 8.00E-09 |
| <i>SVIP</i> | 0.38558483 | 5.35E-13 | 8.03E-09 |
| <i>GPC2</i> | 0.38555988 | 5.37E-13 | 8.06E-09 |
| <i>EFCAB10</i> | 0.38529214 | 5.59E-13 | 8.38E-09 |
| <i>SRP9</i> | 0.3852518 | 5.62E-13 | 8.43E-09 |
| <i>TRAPPC2L</i> | 0.38513235 | 5.72E-13 | 8.58E-09 |
| <i>RPL19</i> | 0.38494871 | 5.88E-13 | 8.82E-09 |
| <i>ATXN7L2</i> | 0.38493146 | 5.90E-13 | 8.84E-09 |
| <i>ANKRD39</i> | 0.38470019 | 6.10E-13 | 9.15E-09 |
| <i>TARDBP</i> | 0.3846211 | 6.18E-13 | 9.25E-09 |
| <i>SRCIN1</i> | 0.38448429 | 6.30E-13 | 9.44E-09 |
| <i>ROMO1</i> | 0.38447139 | 6.31E-13 | 9.46E-09 |
| <i>LOC642846</i> | 0.38437757 | 6.40E-13 | 9.59E-09 |
| <i>NFKBIL2</i> | 0.38434386 | 6.44E-13 | 9.64E-09 |
| <i>CAMKV</i> | 0.38432576 | 6.45E-13 | 9.66E-09 |
| <i>CENPO</i> | 0.38424159 | 6.53E-13 | 9.78E-09 |
| <i>MRPL19</i> | 0.38410846 | 6.66E-13 | 9.98E-09 |
| <i>RMND1</i> | 0.38406208 | 6.71E-13 | 1.00E-08 |
| <i>MYOM3</i> | 0.38400855 | 6.76E-13 | 1.01E-08 |
| <i>C9orf30</i> | 0.38394416 | 6.83E-13 | 1.02E-08 |
| <i>TMCO7</i> | 0.38382187 | 6.95E-13 | 1.04E-08 |

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| <i>H2AFY</i> | 0.38381805 | 6.96E-13 | 1.04E-08 |
| <i>ABHD1</i> | 0.38376595 | 7.01E-13 | 1.05E-08 |
| <i>ATAD3A</i> | 0.38367225 | 7.11E-13 | 1.06E-08 |
| <i>MSTO1</i> | 0.38345295 | 7.34E-13 | 1.10E-08 |
| <i>ZNF566</i> | 0.38324251 | 7.58E-13 | 1.13E-08 |
| <i>RASL10B</i> | 0.38290914 | 7.96E-13 | 1.19E-08 |
| <i>ADCY3</i> | 0.38274598 | 8.15E-13 | 1.22E-08 |
| <i>MRS2</i> | 0.38270841 | 8.20E-13 | 1.22E-08 |
| <i>LOC148709</i> | 0.3825608 | 8.38E-13 | 1.25E-08 |
| <i>C9orf116</i> | 0.38238676 | 8.60E-13 | 1.28E-08 |
| <i>ERP27</i> | 0.38217975 | 8.87E-13 | 1.32E-08 |
| <i>LRRC61</i> | 0.38212839 | 8.93E-13 | 1.33E-08 |
| <i>PPEF1</i> | 0.38212579 | 8.94E-13 | 1.33E-08 |
| <i>PDZD11</i> | 0.38210908 | 8.96E-13 | 1.34E-08 |
| <i>TUBA4A</i> | 0.38207135 | 9.01E-13 | 1.34E-08 |
| <i>LOC151009</i> | 0.38204458 | 9.04E-13 | 1.35E-08 |
| <i>MEX3D</i> | 0.38201204 | 9.09E-13 | 1.36E-08 |
| <i>LIG3</i> | 0.38199557 | 9.11E-13 | 1.36E-08 |
| <i>CXCL1</i> | 0.38179402 | 9.38E-13 | 1.40E-08 |
| <i>C1orf77</i> | 0.38176488 | 9.42E-13 | 1.40E-08 |
| <i>TBC1D4</i> | 0.38143475 | 9.89E-13 | 1.47E-08 |
| <i>UBE2D4</i> | 0.38139763 | 9.95E-13 | 1.48E-08 |
| <i>LOC440356</i> | 0.38136507 | 1.00E-12 | 1.49E-08 |
| <i>SURF2</i> | 0.38126601 | 1.01E-12 | 1.51E-08 |
| <i>SPAST</i> | 0.38123914 | 1.02E-12 | 1.52E-08 |
| <i>TPRA1</i> | 0.38089251 | 1.07E-12 | 1.60E-08 |
| <i>C3orf23</i> | 0.38071475 | 1.10E-12 | 1.64E-08 |
| <i>LOC440957</i> | 0.38061815 | 1.12E-12 | 1.66E-08 |
| <i>FPGS</i> | 0.38060357 | 1.12E-12 | 1.66E-08 |
| <i>KLHDC4</i> | 0.38037098 | 1.16E-12 | 1.72E-08 |
| <i>ZSWIM4</i> | 0.38032316 | 1.16E-12 | 1.73E-08 |
| <i>ATAD3B</i> | 0.3802219 | 1.18E-12 | 1.76E-08 |
| <i>EI24</i> | 0.3802025 | 1.19E-12 | 1.76E-08 |
| <i>MED6</i> | 0.38011843 | 1.20E-12 | 1.78E-08 |
| <i>WDHD1</i> | 0.37975288 | 1.27E-12 | 1.88E-08 |
| <i>RDBP</i> | 0.37931423 | 1.35E-12 | 2.00E-08 |
| <i>ZNF642</i> | 0.3792706 | 1.36E-12 | 2.02E-08 |
| <i>NSA2</i> | 0.3792161 | 1.37E-12 | 2.03E-08 |
| <i>API5</i> | 0.37917157 | 1.38E-12 | 2.04E-08 |
| <i>DNAJC7</i> | 0.37890438 | 1.43E-12 | 2.13E-08 |
| <i>TFR2</i> | 0.37890117 | 1.43E-12 | 2.13E-08 |
| <i>UXT</i> | 0.37886241 | 1.44E-12 | 2.14E-08 |
| <i>C15orf63</i> | 0.37878652 | 1.46E-12 | 2.16E-08 |
| <i>NCOA5</i> | 0.37872889 | 1.47E-12 | 2.18E-08 |
| <i>TRUB2</i> | 0.37857441 | 1.50E-12 | 2.23E-08 |
| <i>C12orf75</i> | 0.378529 | 1.51E-12 | 2.24E-08 |
| <i>CLPB</i> | 0.37849082 | 1.52E-12 | 2.26E-08 |
| <i>KDELC1</i> | 0.37845339 | 1.53E-12 | 2.27E-08 |
| <i>PSME4</i> | 0.37843535 | 1.53E-12 | 2.27E-08 |
| <i>HAGHL</i> | 0.37839234 | 1.54E-12 | 2.29E-08 |
| <i>TRMT5</i> | 0.37828853 | 1.57E-12 | 2.32E-08 |

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| <i>LSM6</i> | 0.37826658 | 1.57E-12 | 2.33E-08 |
| <i>ULBP3</i> | 0.37818704 | 1.59E-12 | 2.36E-08 |
| <i>UNC50</i> | 0.37817365 | 1.59E-12 | 2.36E-08 |
| <i>GCSH</i> | 0.37814539 | 1.60E-12 | 2.37E-08 |
| <i>CDC7</i> | 0.37767586 | 1.71E-12 | 2.54E-08 |
| <i>C8orf77</i> | 0.37756395 | 1.74E-12 | 2.58E-08 |
| <i>TIMM44</i> | 0.37752229 | 1.75E-12 | 2.59E-08 |
| <i>PKP4</i> | 0.37716122 | 1.85E-12 | 2.73E-08 |
| <i>CBLL1</i> | 0.37710496 | 1.86E-12 | 2.75E-08 |
| <i>AKIRIN2</i> | 0.3770543 | 1.88E-12 | 2.77E-08 |
| <i>SLC29A2</i> | 0.37703459 | 1.88E-12 | 2.78E-08 |
| <i>C20orf72</i> | 0.37702564 | 1.88E-12 | 2.78E-08 |
| <i>AEBP2</i> | 0.37695401 | 1.90E-12 | 2.81E-08 |
| <i>KIAA0415</i> | 0.37680412 | 1.95E-12 | 2.87E-08 |
| <i>RPSAP58</i> | 0.37669914 | 1.98E-12 | 2.92E-08 |
| <i>PARD6B</i> | 0.37663995 | 1.99E-12 | 2.94E-08 |
| <i>DHX9</i> | 0.37659804 | 2.00E-12 | 2.96E-08 |
| <i>AMPD2</i> | 0.37656054 | 2.02E-12 | 2.97E-08 |
| <i>LOC285419</i> | 0.37621734 | 2.12E-12 | 3.12E-08 |
| <i>SSSCA1</i> | 0.37611817 | 2.15E-12 | 3.17E-08 |
| <i>POLR2I</i> | 0.3760064 | 2.18E-12 | 3.22E-08 |
| <i>TRMU</i> | 0.37598117 | 2.19E-12 | 3.23E-08 |
| <i>ATF4</i> | 0.37588814 | 2.22E-12 | 3.27E-08 |
| <i>ZNF738</i> | 0.37580461 | 2.25E-12 | 3.31E-08 |
| <i>GNB2L1</i> | 0.37565052 | 2.30E-12 | 3.38E-08 |
| <i>QPCTL</i> | 0.3755279 | 2.34E-12 | 3.44E-08 |
| <i>LEMD1</i> | 0.3753738 | 2.39E-12 | 3.52E-08 |
| <i>SPDYC</i> | 0.37536615 | 2.39E-12 | 3.52E-08 |
| <i>C14orf126</i> | 0.37529776 | 2.42E-12 | 3.56E-08 |
| <i>ITPA</i> | 0.37526766 | 2.43E-12 | 3.57E-08 |
| <i>DGUOK</i> | 0.37523332 | 2.44E-12 | 3.59E-08 |
| <i>NANOS3</i> | 0.37520774 | 2.45E-12 | 3.60E-08 |
| <i>ZNF600</i> | 0.37517261 | 2.46E-12 | 3.62E-08 |
| <i>MLST8</i> | 0.37513264 | 2.48E-12 | 3.64E-08 |
| <i>RASSF10</i> | 0.37503452 | 2.51E-12 | 3.69E-08 |
| <i>WDR59</i> | 0.37490326 | 2.56E-12 | 3.76E-08 |
| <i>SLC1A5</i> | 0.37483157 | 2.59E-12 | 3.80E-08 |
| <i>CAPRIN1</i> | 0.3747576 | 2.61E-12 | 3.84E-08 |
| <i>WDR73</i> | 0.37473477 | 2.62E-12 | 3.86E-08 |
| <i>MSH6</i> | 0.37464125 | 2.66E-12 | 3.91E-08 |
| <i>THUMPD3</i> | 0.37450806 | 2.71E-12 | 3.98E-08 |
| <i>CUTA</i> | 0.37448682 | 2.72E-12 | 3.99E-08 |
| <i>LRPPRC</i> | 0.37440681 | 2.75E-12 | 4.04E-08 |
| <i>FOXA2</i> | 0.37438067 | 2.76E-12 | 4.05E-08 |
| <i>CCDC90B</i> | 0.37429703 | 2.79E-12 | 4.10E-08 |
| <i>RBM41</i> | 0.37429523 | 2.79E-12 | 4.10E-08 |
| <i>PILRB</i> | 0.37423856 | 2.82E-12 | 4.14E-08 |
| <i>RTKN2</i> | 0.37421369 | 2.83E-12 | 4.15E-08 |
| <i>TXNL4B</i> | 0.37416905 | 2.84E-12 | 4.18E-08 |
| <i>MTX2</i> | 0.37416615 | 2.85E-12 | 4.18E-08 |
| <i>WHSC2</i> | 0.37415621 | 2.85E-12 | 4.18E-08 |

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| <i>ASPHD1</i> | 0.37409276 | 2.88E-12 | 4.22E-08 |
| <i>C1GALT1C1</i> | 0.37408494 | 2.88E-12 | 4.23E-08 |
| <i>CDADC1</i> | 0.37406609 | 2.89E-12 | 4.24E-08 |
| <i>GNG4</i> | 0.37375734 | 3.02E-12 | 4.43E-08 |
| <i>RPS17</i> | 0.37366546 | 3.06E-12 | 4.48E-08 |
| <i>TUBA1C</i> | 0.37361329 | 3.08E-12 | 4.52E-08 |
| <i>CARM1</i> | 0.37353746 | 3.11E-12 | 4.56E-08 |
| <i>ALS2CR4</i> | 0.37329983 | 3.22E-12 | 4.72E-08 |
| <i>LRRC6</i> | 0.37329829 | 3.22E-12 | 4.72E-08 |
| <i>PURB</i> | 0.37327548 | 3.23E-12 | 4.74E-08 |
| <i>RPS14</i> | 0.37318137 | 3.28E-12 | 4.80E-08 |
| <i>WEE1</i> | 0.37317246 | 3.28E-12 | 4.81E-08 |
| <i>C20orf165</i> | 0.37305715 | 3.34E-12 | 4.89E-08 |
| <i>RPL18</i> | 0.37291808 | 3.40E-12 | 4.98E-08 |
| <i>PSMB3</i> | 0.3728945 | 3.41E-12 | 5.00E-08 |
| <i>BOLA2</i> | 0.37286243 | 3.43E-12 | 5.02E-08 |
| <i>LMTK3</i> | 0.37277392 | 3.47E-12 | 5.08E-08 |
| <i>TAGLN2</i> | 0.37276912 | 3.48E-12 | 5.09E-08 |
| <i>DCAF15</i> | 0.37271929 | 3.50E-12 | 5.12E-08 |
| <i>TMEM165</i> | 0.37270039 | 3.51E-12 | 5.14E-08 |
| <i>HACL1</i> | 0.37251236 | 3.61E-12 | 5.27E-08 |
| <i>RPSA</i> | 0.37236534 | 3.68E-12 | 5.39E-08 |
| <i>TARBP2</i> | 0.37218943 | 3.78E-12 | 5.52E-08 |
| <i>CYP2W1</i> | 0.37218087 | 3.78E-12 | 5.53E-08 |
| <i>ZFP1</i> | 0.37216097 | 3.79E-12 | 5.54E-08 |
| <i>TSPAN6</i> | 0.37203093 | 3.86E-12 | 5.65E-08 |
| <i>TMEM33</i> | 0.37195716 | 3.90E-12 | 5.70E-08 |
| <i>RPS11</i> | 0.37192338 | 3.92E-12 | 5.73E-08 |
| <i>CYP39A1</i> | 0.37190838 | 3.93E-12 | 5.74E-08 |
| <i>C1orf230</i> | 0.37189632 | 3.94E-12 | 5.75E-08 |
| <i>PUF60</i> | 0.37171247 | 4.04E-12 | 5.90E-08 |
| <i>GBAS</i> | 0.37163111 | 4.09E-12 | 5.97E-08 |
| <i>CCDC84</i> | 0.37153858 | 4.14E-12 | 6.05E-08 |
| <i>CELSR1</i> | 0.3715018 | 4.16E-12 | 6.08E-08 |
| <i>COMMD2</i> | 0.37142707 | 4.21E-12 | 6.14E-08 |
| <i>CWC27</i> | 0.37130334 | 4.28E-12 | 6.25E-08 |
| <i>MMP3</i> | 0.37123882 | 4.32E-12 | 6.31E-08 |
| <i>ZNF627</i> | 0.37114143 | 4.38E-12 | 6.40E-08 |
| <i>TUBB</i> | 0.37111788 | 4.40E-12 | 6.42E-08 |
| <i>UBXN4</i> | 0.37102929 | 4.45E-12 | 6.50E-08 |
| <i>PAIP2</i> | 0.37081389 | 4.59E-12 | 6.69E-08 |
| <i>FANCG</i> | 0.37066916 | 4.69E-12 | 6.83E-08 |
| <i>TXNDC9</i> | 0.3706225 | 4.72E-12 | 6.88E-08 |
| <i>KRT15</i> | 0.3705783 | 4.75E-12 | 6.92E-08 |
| <i>ESPL1</i> | 0.37048163 | 4.81E-12 | 7.01E-08 |
| <i>2-Sep</i> | 0.37036579 | 4.89E-12 | 7.13E-08 |
| <i>U2AF2</i> | 0.37033426 | 4.91E-12 | 7.16E-08 |
| <i>IRAK2</i> | 0.3702212 | 4.99E-12 | 7.27E-08 |
| <i>NSMAF</i> | 0.37020147 | 5.01E-12 | 7.29E-08 |
| <i>C6orf15</i> | 0.37006632 | 5.10E-12 | 7.43E-08 |
| <i>SFRS11</i> | 0.37004547 | 5.12E-12 | 7.45E-08 |

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| <i>METTL9</i> | 0.37003459 | 5.13E-12 | 7.46E-08 |
| <i>PHB</i> | 0.36978222 | 5.31E-12 | 7.73E-08 |
| <i>ZNF746</i> | 0.36971792 | 5.36E-12 | 7.80E-08 |
| <i>NSMCE4A</i> | 0.36968081 | 5.39E-12 | 7.84E-08 |
| <i>TUBG1</i> | 0.36965616 | 5.41E-12 | 7.87E-08 |
| <i>TULP3</i> | 0.36962997 | 5.43E-12 | 7.90E-08 |
| <i>GTF2E1</i> | 0.36937846 | 5.63E-12 | 8.18E-08 |
| <i>? 155060</i> | 0.3693321 | 5.66E-12 | 8.23E-08 |
| <i>FGF19</i> | 0.36932862 | 5.67E-12 | 8.23E-08 |
| <i>RPL4</i> | 0.36910115 | 5.85E-12 | 8.50E-08 |
| <i>AP3M2</i> | 0.36909912 | 5.85E-12 | 8.50E-08 |
| <i>UIMC1</i> | 0.36897037 | 5.96E-12 | 8.65E-08 |
| <i>UBA52</i> | 0.3689391 | 5.99E-12 | 8.69E-08 |
| <i>BRSK2</i> | 0.3689054 | 6.01E-12 | 8.73E-08 |
| <i>PGAM5</i> | 0.36888422 | 6.03E-12 | 8.76E-08 |
| <i>RPL10</i> | 0.36880995 | 6.10E-12 | 8.85E-08 |
| <i>ZNF800</i> | 0.36878617 | 6.12E-12 | 8.88E-08 |
| <i>CLDN9</i> | 0.36873056 | 6.16E-12 | 8.94E-08 |
| <i>ZNF565</i> | 0.36871944 | 6.17E-12 | 8.96E-08 |
| <i>ARNTL2</i> | 0.36866781 | 6.22E-12 | 9.02E-08 |
| <i>SEC14L2</i> | 0.36838767 | 6.47E-12 | 9.38E-08 |
| <i>GBX2</i> | 0.3683583 | 6.50E-12 | 9.42E-08 |
| <i>MTDH</i> | 0.36831449 | 6.54E-12 | 9.47E-08 |
| <i>ATP6V1C1</i> | 0.36828115 | 6.57E-12 | 9.52E-08 |
| <i>SUZ12</i> | 0.36824532 | 6.60E-12 | 9.56E-08 |
| <i>CLDN2</i> | 0.36804746 | 6.79E-12 | 9.83E-08 |
| <i>STRBP</i> | 0.36782632 | 7.00E-12 | 1.01E-07 |
| <i>U2AF1</i> | 0.36780183 | 7.02E-12 | 1.02E-07 |
| <i>TSNARE1</i> | 0.36756646 | 7.26E-12 | 1.05E-07 |
| <i>SLC41A3</i> | 0.36755431 | 7.27E-12 | 1.05E-07 |
| <i>NACA2</i> | 0.36753053 | 7.30E-12 | 1.06E-07 |
| <i>MED17</i> | 0.36752995 | 7.30E-12 | 1.06E-07 |
| <i>PMM2</i> | 0.36743933 | 7.39E-12 | 1.07E-07 |
| <i>C2orf64</i> | 0.36735574 | 7.48E-12 | 1.08E-07 |
| <i>FBXW9</i> | 0.36728897 | 7.55E-12 | 1.09E-07 |
| <i>SHH</i> | 0.36728042 | 7.56E-12 | 1.09E-07 |
| <i>UBA3</i> | 0.36726697 | 7.57E-12 | 1.09E-07 |
| <i>RPP30</i> | 0.36717599 | 7.67E-12 | 1.11E-07 |
| <i>ZRANB3</i> | 0.36696647 | 7.90E-12 | 1.14E-07 |
| <i>MRPL37</i> | 0.36690438 | 7.97E-12 | 1.15E-07 |
| <i>LRRC14</i> | 0.36686818 | 8.01E-12 | 1.16E-07 |
| <i>PLAA</i> | 0.3666596 | 8.24E-12 | 1.19E-07 |
| <i>TMPO</i> | 0.36665398 | 8.25E-12 | 1.19E-07 |
| <i>TESC</i> | 0.36653919 | 8.38E-12 | 1.21E-07 |
| <i>CBWD1</i> | 0.36647531 | 8.46E-12 | 1.22E-07 |
| <i>POC1A</i> | 0.36629937 | 8.67E-12 | 1.25E-07 |
| <i>LOC401010</i> | 0.3662951 | 8.67E-12 | 1.25E-07 |
| <i>ZBED5</i> | 0.36626387 | 8.71E-12 | 1.26E-07 |
| <i>ENGASE</i> | 0.36620481 | 8.78E-12 | 1.27E-07 |
| <i>CCDC104</i> | 0.36618377 | 8.81E-12 | 1.27E-07 |
| <i>TMEM63A</i> | 0.36596819 | 9.08E-12 | 1.31E-07 |

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| <i>TERF1</i> | 0.36573417 | 9.38E-12 | 1.35E-07 |
| <i>MAP4K3</i> | 0.36570054 | 9.42E-12 | 1.36E-07 |
| <i>LOC646762</i> | 0.36556235 | 9.61E-12 | 1.38E-07 |
| <i>TMEM205</i> | 0.36544467 | 9.77E-12 | 1.41E-07 |
| <i>SLC12A9</i> | 0.36544261 | 9.77E-12 | 1.41E-07 |
| <i>C20orf196</i> | 0.36542581 | 9.79E-12 | 1.41E-07 |
| <i>RGL2</i> | 0.36540667 | 9.82E-12 | 1.41E-07 |
| <i>RAD50</i> | 0.36535554 | 9.89E-12 | 1.42E-07 |
| <i>RAC1</i> | 0.36532452 | 9.93E-12 | 1.43E-07 |
| <i>FNTA</i> | 0.3652951 | 9.97E-12 | 1.44E-07 |
| <i>SMARCE1</i> | 0.36527488 | 1.00E-11 | 1.44E-07 |
| <i>XRN2</i> | 0.36501903 | 1.04E-11 | 1.49E-07 |
| <i>LOC84931</i> | 0.36497929 | 1.04E-11 | 1.50E-07 |
| <i>PSMC6</i> | 0.36468043 | 1.09E-11 | 1.56E-07 |
| <i>C18orf45</i> | 0.3646127 | 1.10E-11 | 1.58E-07 |
| <i>MLF1IP</i> | 0.36460622 | 1.10E-11 | 1.58E-07 |
| <i>SLC13A3</i> | 0.36458247 | 1.10E-11 | 1.58E-07 |
| <i>FNBP4</i> | 0.36457214 | 1.10E-11 | 1.58E-07 |
| <i>DYNC2LI1</i> | 0.36454949 | 1.11E-11 | 1.59E-07 |
| <i>PCBP4</i> | 0.36449647 | 1.11E-11 | 1.60E-07 |
| <i>FER1L4</i> | 0.36445056 | 1.12E-11 | 1.61E-07 |
| <i>F7</i> | 0.36441892 | 1.13E-11 | 1.62E-07 |
| <i>B9D1</i> | 0.36416221 | 1.17E-11 | 1.68E-07 |
| <i>XRCC1</i> | 0.36410856 | 1.18E-11 | 1.69E-07 |
| <i>KIN</i> | 0.3640451 | 1.19E-11 | 1.70E-07 |
| <i>DDX20</i> | 0.36401351 | 1.19E-11 | 1.71E-07 |
| <i>OGT</i> | 0.3639794 | 1.20E-11 | 1.72E-07 |
| <i>WDR93</i> | 0.3638824 | 1.21E-11 | 1.74E-07 |
| <i>ZNF451</i> | 0.36370869 | 1.24E-11 | 1.78E-07 |
| <i>MMAB</i> | 0.36356405 | 1.27E-11 | 1.82E-07 |
| <i>THNSL1</i> | 0.36349836 | 1.28E-11 | 1.84E-07 |
| <i>SLC4A5</i> | 0.36334664 | 1.31E-11 | 1.87E-07 |
| <i>GLS</i> | 0.36332365 | 1.31E-11 | 1.88E-07 |
| <i>EIF2S1</i> | 0.36328325 | 1.32E-11 | 1.89E-07 |
| <i>LOC1001300</i> | 0.36323977 | 1.33E-11 | 1.90E-07 |
| <i>PCOTH</i> | 0.36322037 | 1.33E-11 | 1.91E-07 |
| <i>TUT1</i> | 0.36319627 | 1.33E-11 | 1.91E-07 |
| <i>GEMIN7</i> | 0.36308569 | 1.35E-11 | 1.94E-07 |
| <i>LOC729156</i> | 0.36295403 | 1.38E-11 | 1.98E-07 |
| <i>ZNF511</i> | 0.36281546 | 1.41E-11 | 2.01E-07 |
| <i>VDAC1</i> | 0.36274152 | 1.42E-11 | 2.03E-07 |
| <i>DCAF16</i> | 0.36259562 | 1.45E-11 | 2.07E-07 |
| <i>PASK</i> | 0.36234625 | 1.50E-11 | 2.15E-07 |
| <i>SMTNL2</i> | 0.36233417 | 1.50E-11 | 2.15E-07 |
| <i>ANAPC5</i> | 0.36223513 | 1.52E-11 | 2.18E-07 |
| <i>KHSRP</i> | 0.36213267 | 1.54E-11 | 2.21E-07 |
| <i>RBM17</i> | 0.36185509 | 1.61E-11 | 2.29E-07 |
| <i>PLEKHG4</i> | 0.36180323 | 1.62E-11 | 2.31E-07 |
| <i>CCDC66</i> | 0.3617958 | 1.62E-11 | 2.31E-07 |
| <i>REM2</i> | 0.36178935 | 1.62E-11 | 2.31E-07 |
| <i>SUPT3H</i> | 0.36156241 | 1.67E-11 | 2.39E-07 |

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| <i>KCNH8</i> | 0.36142808 | 1.70E-11 | 2.43E-07 |
| <i>AGFG1</i> | 0.36138656 | 1.71E-11 | 2.44E-07 |
| <i>RWDD1</i> | 0.36125222 | 1.74E-11 | 2.49E-07 |
| <i>RPL23A</i> | 0.36119163 | 1.76E-11 | 2.51E-07 |
| <i>SCML2</i> | 0.36102737 | 1.80E-11 | 2.56E-07 |
| <i>RCC2</i> | 0.36096016 | 1.81E-11 | 2.59E-07 |
| <i>FGF18</i> | 0.36083425 | 1.85E-11 | 2.63E-07 |
| <i>EIF1AD</i> | 0.36075666 | 1.87E-11 | 2.66E-07 |
| <i>B3GNTL1</i> | 0.3607169 | 1.88E-11 | 2.67E-07 |
| <i>FOXP4</i> | 0.36051423 | 1.93E-11 | 2.75E-07 |
| <i>FKTN</i> | 0.36041794 | 1.95E-11 | 2.78E-07 |
| <i>ZFC3H1</i> | 0.36018506 | 2.02E-11 | 2.87E-07 |
| <i>SHQ1</i> | 0.36012136 | 2.04E-11 | 2.90E-07 |
| <i>HIST1H1B</i> | 0.36012133 | 2.04E-11 | 2.90E-07 |
| <i>ATHL1</i> | 0.35999598 | 2.07E-11 | 2.95E-07 |
| <i>RPS23</i> | 0.35990322 | 2.10E-11 | 2.98E-07 |
| <i>SPDYA</i> | 0.35984681 | 2.11E-11 | 3.01E-07 |
| <i>GCFC1</i> | 0.35975862 | 2.14E-11 | 3.04E-07 |
| <i>TRMT2B</i> | 0.3596477 | 2.17E-11 | 3.09E-07 |
| <i>TBL3</i> | 0.35962248 | 2.18E-11 | 3.10E-07 |
| <i>SLC4A2</i> | 0.35955901 | 2.20E-11 | 3.13E-07 |
| <i>ANKRD23</i> | 0.35928294 | 2.28E-11 | 3.24E-07 |
| <i>CSNK2B</i> | 0.35924146 | 2.30E-11 | 3.26E-07 |
| <i>RRN3P1</i> | 0.35903484 | 2.36E-11 | 3.35E-07 |
| <i>KLHL7</i> | 0.35903101 | 2.36E-11 | 3.36E-07 |
| <i>CDC23</i> | 0.35895212 | 2.39E-11 | 3.39E-07 |
| <i>QTRT1</i> | 0.35880856 | 2.44E-11 | 3.46E-07 |
| <i>BAZ1B</i> | 0.3587923 | 2.44E-11 | 3.46E-07 |
| <i>C9orf16</i> | 0.35849659 | 2.54E-11 | 3.61E-07 |
| <i>C7orf52</i> | 0.35843852 | 2.56E-11 | 3.63E-07 |
| <i>RPL15</i> | 0.35842186 | 2.57E-11 | 3.64E-07 |
| <i>C9orf142</i> | 0.35835548 | 2.59E-11 | 3.67E-07 |
| <i>ANKRD10</i> | 0.35830849 | 2.61E-11 | 3.70E-07 |
| <i>SNORA39</i> | 0.35820623 | 2.64E-11 | 3.75E-07 |
| <i>RDM1</i> | 0.35817174 | 2.66E-11 | 3.77E-07 |
| <i>STAM</i> | 0.35816007 | 2.66E-11 | 3.77E-07 |
| <i>EPHA1</i> | 0.3581587 | 2.66E-11 | 3.77E-07 |
| <i>C7orf64</i> | 0.35801559 | 2.71E-11 | 3.84E-07 |
| <i>9-Mar</i> | 0.35795772 | 2.73E-11 | 3.87E-07 |
| <i>C1orf74</i> | 0.35793836 | 2.74E-11 | 3.88E-07 |
| <i>HNRNPH1</i> | 0.35788721 | 2.76E-11 | 3.91E-07 |
| <i>PMPCA</i> | 0.35785287 | 2.77E-11 | 3.93E-07 |
| <i>TTC32</i> | 0.3577995 | 2.79E-11 | 3.96E-07 |
| <i>SENP1</i> | 0.35771437 | 2.83E-11 | 4.00E-07 |
| <i>PRMT7</i> | 0.35767264 | 2.84E-11 | 4.02E-07 |
| <i>CD320</i> | 0.35757848 | 2.88E-11 | 4.07E-07 |
| <i>HAUS2</i> | 0.35751392 | 2.90E-11 | 4.11E-07 |
| <i>WT1</i> | 0.35742382 | 2.94E-11 | 4.16E-07 |
| <i>IDI2</i> | 0.3573282 | 2.98E-11 | 4.21E-07 |
| <i>DHX37</i> | 0.35722968 | 3.02E-11 | 4.27E-07 |
| <i>NDC80</i> | 0.35720852 | 3.03E-11 | 4.28E-07 |

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| <i>NPFFR1</i> | 0.35705799 | 3.09E-11 | 4.37E-07 |
| <i>CDCA7L</i> | 0.3569644 | 3.13E-11 | 4.42E-07 |
| <i>ITGA2</i> | 0.35692371 | 3.14E-11 | 4.45E-07 |
| <i>ARF5</i> | 0.35687563 | 3.17E-11 | 4.47E-07 |
| <i>SLC2A8</i> | 0.35679281 | 3.20E-11 | 4.52E-07 |
| <i>CEP164</i> | 0.35670005 | 3.24E-11 | 4.58E-07 |
| <i>LOC339674</i> | 0.35662996 | 3.27E-11 | 4.62E-07 |
| <i>CCDC137</i> | 0.35662258 | 3.28E-11 | 4.63E-07 |
| <i>NLN</i> | 0.35652636 | 3.32E-11 | 4.69E-07 |
| <i>SLC35E4</i> | 0.35630449 | 3.42E-11 | 4.83E-07 |
| <i>KRTAP5-1</i> | 0.35618225 | 3.48E-11 | 4.91E-07 |
| <i>EFNA3</i> | 0.35612449 | 3.50E-11 | 4.94E-07 |
| <i>SRP72</i> | 0.35605015 | 3.54E-11 | 4.99E-07 |
| <i>RPS15</i> | 0.35592789 | 3.60E-11 | 5.08E-07 |
| <i>GALK1</i> | 0.35582708 | 3.65E-11 | 5.14E-07 |
| <i>MGC16121</i> | 0.35581674 | 3.65E-11 | 5.15E-07 |
| <i>RPL27</i> | 0.35574918 | 3.68E-11 | 5.20E-07 |
| <i>LIMK1</i> | 0.35568105 | 3.72E-11 | 5.24E-07 |
| <i>CCBL1</i> | 0.35564188 | 3.74E-11 | 5.27E-07 |
| <i>GCA</i> | 0.35563971 | 3.74E-11 | 5.27E-07 |
| <i>TACC3</i> | 0.35527675 | 3.93E-11 | 5.53E-07 |
| <i>C16orf53</i> | 0.35516609 | 3.99E-11 | 5.61E-07 |
| <i>C20orf177</i> | 0.35513168 | 4.00E-11 | 5.64E-07 |
| <i>LOC256880</i> | 0.3550337 | 4.06E-11 | 5.71E-07 |
| <i>STK4</i> | 0.35493682 | 4.11E-11 | 5.79E-07 |
| <i>KIAA0146</i> | 0.35474587 | 4.22E-11 | 5.94E-07 |
| <i>SLC7A6OS</i> | 0.35474396 | 4.22E-11 | 5.94E-07 |
| <i>LRRCC1</i> | 0.35471933 | 4.23E-11 | 5.96E-07 |
| <i>CCDC72</i> | 0.3546528 | 4.27E-11 | 6.01E-07 |
| <i>HMGNA4</i> | 0.3545376 | 4.34E-11 | 6.10E-07 |
| <i>SLC25A19</i> | 0.35435758 | 4.44E-11 | 6.25E-07 |
| <i>IMPDH2</i> | 0.35435393 | 4.44E-11 | 6.25E-07 |
| <i>ZNF598</i> | 0.35426333 | 4.50E-11 | 6.33E-07 |
| <i>MPG</i> | 0.35422004 | 4.52E-11 | 6.36E-07 |
| <i>HSP90AA1</i> | 0.35418221 | 4.55E-11 | 6.39E-07 |
| <i>NFYA</i> | 0.3541353 | 4.58E-11 | 6.43E-07 |
| <i>SPATS2</i> | 0.35391411 | 4.71E-11 | 6.62E-07 |
| <i>RPL10A</i> | 0.35377138 | 4.80E-11 | 6.75E-07 |
| <i>EIF2B5</i> | 0.35354909 | 4.95E-11 | 6.95E-07 |
| <i>GNL3L</i> | 0.35339116 | 5.05E-11 | 7.10E-07 |
| <i>ZNF322B</i> | 0.35330157 | 5.12E-11 | 7.18E-07 |
| <i>AGT</i> | 0.35325808 | 5.15E-11 | 7.22E-07 |
| <i>ARGLU1</i> | 0.35319501 | 5.19E-11 | 7.28E-07 |
| <i>AP4M1</i> | 0.3531687 | 5.21E-11 | 7.31E-07 |
| <i>MRPS28</i> | 0.3531302 | 5.23E-11 | 7.35E-07 |
| <i>KIAA1751</i> | 0.35305509 | 5.29E-11 | 7.42E-07 |
| <i>ARHGEF38</i> | 0.35304198 | 5.30E-11 | 7.43E-07 |
| <i>TMEM150A</i> | 0.35303073 | 5.30E-11 | 7.44E-07 |
| <i>PPIAL4D</i> | 0.35298559 | 5.34E-11 | 7.49E-07 |
| <i>TNS4</i> | 0.35291944 | 5.38E-11 | 7.55E-07 |
| <i>RTEL1</i> | 0.35289707 | 5.40E-11 | 7.57E-07 |

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| <i>DCAF17</i> | 0.35277414 | 5.49E-11 | 7.70E-07 |
| <i>FGFR4</i> | 0.35270955 | 5.54E-11 | 7.76E-07 |
| <i>CCT6B</i> | 0.35269761 | 5.54E-11 | 7.77E-07 |
| <i>SLC6A20</i> | 0.35252261 | 5.68E-11 | 7.95E-07 |
| <i>PEX5</i> | 0.35243608 | 5.74E-11 | 8.04E-07 |
| <i>NMRAL1</i> | 0.35236912 | 5.79E-11 | 8.11E-07 |
| <i>LPO</i> | 0.352357 | 5.80E-11 | 8.13E-07 |
| <i>TM4SF1</i> | 0.35235531 | 5.80E-11 | 8.13E-07 |
| <i>RNF183</i> | 0.35230773 | 5.84E-11 | 8.18E-07 |
| <i>HES6</i> | 0.35223161 | 5.90E-11 | 8.26E-07 |
| <i>TAX1BP1</i> | 0.35221375 | 5.91E-11 | 8.28E-07 |
| <i>CHRNA5</i> | 0.35211378 | 5.99E-11 | 8.39E-07 |
| <i>ATG3</i> | 0.35197297 | 6.11E-11 | 8.55E-07 |
| <i>PLCG1</i> | 0.35193029 | 6.14E-11 | 8.59E-07 |
| <i>POLR1A</i> | 0.35187859 | 6.18E-11 | 8.65E-07 |
| <i>ABCC1</i> | 0.35161177 | 6.41E-11 | 8.96E-07 |
| <i>LY6G5C</i> | 0.35143841 | 6.56E-11 | 9.17E-07 |
| <i>DNAJC15</i> | 0.35132546 | 6.65E-11 | 9.30E-07 |
| <i>AGTRAP</i> | 0.35121894 | 6.75E-11 | 9.43E-07 |
| <i>UBA6</i> | 0.35095287 | 6.99E-11 | 9.76E-07 |
| <i>DNAJA1</i> | 0.35084326 | 7.09E-11 | 9.90E-07 |
| <i>TTF1</i> | 0.35069232 | 7.24E-11 | 1.01E-06 |
| <i>KIAA0895</i> | 0.35067676 | 7.25E-11 | 1.01E-06 |
| <i>DRAP1</i> | 0.35066658 | 7.26E-11 | 1.01E-06 |
| <i>TMEM208</i> | 0.35057848 | 7.35E-11 | 1.03E-06 |
| <i>FAP</i> | 0.35053144 | 7.39E-11 | 1.03E-06 |
| <i>PEX1</i> | 0.35047621 | 7.45E-11 | 1.04E-06 |
| <i>GPR143</i> | 0.35046008 | 7.46E-11 | 1.04E-06 |
| <i>MTIF2</i> | 0.35026482 | 7.66E-11 | 1.07E-06 |
| <i>NASP</i> | 0.35020047 | 7.72E-11 | 1.08E-06 |
| <i>ASCC1</i> | 0.35015042 | 7.77E-11 | 1.08E-06 |
| <i>SNHG12</i> | 0.35010297 | 7.82E-11 | 1.09E-06 |
| <i>RPLP2</i> | 0.35006818 | 7.86E-11 | 1.10E-06 |
| <i>CCNI2</i> | 0.35001662 | 7.91E-11 | 1.10E-06 |
| <i>TYRO3</i> | 0.34978443 | 8.16E-11 | 1.14E-06 |
| <i>GOLGA6L6</i> | 0.34973449 | 8.21E-11 | 1.14E-06 |
| <i>PIGC</i> | 0.34966931 | 8.28E-11 | 1.15E-06 |
| <i>PIWIL4</i> | 0.34945844 | 8.52E-11 | 1.19E-06 |
| <i>NEK6</i> | 0.34929142 | 8.71E-11 | 1.21E-06 |
| <i>C9orf117</i> | 0.34914258 | 8.88E-11 | 1.24E-06 |
| <i>XRCC4</i> | 0.34911361 | 8.91E-11 | 1.24E-06 |
| <i>TMEM201</i> | 0.34909709 | 8.93E-11 | 1.24E-06 |
| <i>CALCA</i> | 0.34892658 | 9.13E-11 | 1.27E-06 |
| <i>MTRF1</i> | 0.34890122 | 9.16E-11 | 1.27E-06 |
| <i>MAPKAPK3</i> | 0.34882267 | 9.26E-11 | 1.29E-06 |
| <i>KRT75</i> | 0.34880925 | 9.28E-11 | 1.29E-06 |
| <i>C1orf56</i> | 0.34880478 | 9.28E-11 | 1.29E-06 |
| <i>SNX8</i> | 0.34877491 | 9.32E-11 | 1.29E-06 |
| <i>LOC442454</i> | 0.34874209 | 9.36E-11 | 1.30E-06 |
| <i>TBP</i> | 0.34857166 | 9.57E-11 | 1.33E-06 |
| <i>IL23A</i> | 0.34855833 | 9.59E-11 | 1.33E-06 |

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| <i>NUDT4</i> | 0.34851811 | 9.64E-11 | 1.34E-06 |
| <i>FGFRL1</i> | 0.34840665 | 9.78E-11 | 1.36E-06 |
| <i>RHBDF2</i> | 0.34838439 | 9.81E-11 | 1.36E-06 |
| <i>SMARCD1</i> | 0.34828749 | 9.93E-11 | 1.38E-06 |
| <i>C15orf56</i> | 0.34816815 | 1.01E-10 | 1.40E-06 |
| <i>FUNDC2</i> | 0.3479696 | 1.04E-10 | 1.44E-06 |
| <i>LOC401397</i> | 0.34793071 | 1.04E-10 | 1.44E-06 |
| <i>DTNB</i> | 0.34788446 | 1.05E-10 | 1.45E-06 |
| <i>C6orf70</i> | 0.34788429 | 1.05E-10 | 1.45E-06 |
| <i>G2E3</i> | 0.34766805 | 1.08E-10 | 1.49E-06 |
| <i>METTL3</i> | 0.34764751 | 1.08E-10 | 1.50E-06 |
| <i>DUSP2</i> | 0.347639 | 1.08E-10 | 1.50E-06 |
| <i>SNRNP70</i> | 0.34763808 | 1.08E-10 | 1.50E-06 |
| <i>LOC1002165</i> | 0.34751486 | 1.10E-10 | 1.52E-06 |
| <i>DPAGT1</i> | 0.34748543 | 1.10E-10 | 1.53E-06 |
| <i>GGPS1</i> | 0.34725508 | 1.14E-10 | 1.58E-06 |
| <i>TIMM17A</i> | 0.34697558 | 1.18E-10 | 1.63E-06 |
| <i>GIT1</i> | 0.3469655 | 1.18E-10 | 1.64E-06 |
| <i>NUDT14</i> | 0.34674718 | 1.22E-10 | 1.68E-06 |
| <i>E2F8</i> | 0.34671738 | 1.22E-10 | 1.69E-06 |
| <i>TFDP2</i> | 0.34669974 | 1.22E-10 | 1.69E-06 |
| <i>N4BP2L2</i> | 0.34657986 | 1.24E-10 | 1.72E-06 |
| <i>RNF6</i> | 0.34657245 | 1.24E-10 | 1.72E-06 |
| <i>GRIN2B</i> | 0.34656022 | 1.24E-10 | 1.72E-06 |
| <i>CCDC14</i> | 0.34654492 | 1.25E-10 | 1.73E-06 |
| <i>CNTD2</i> | 0.34642395 | 1.27E-10 | 1.75E-06 |
| <i>KCTD14</i> | 0.34619447 | 1.31E-10 | 1.81E-06 |
| <i>C17orf42</i> | 0.34606054 | 1.33E-10 | 1.84E-06 |
| <i>MRPS35</i> | 0.34585865 | 1.36E-10 | 1.89E-06 |
| <i>ADSL</i> | 0.34570544 | 1.39E-10 | 1.92E-06 |
| <i>RPS8</i> | 0.34557916 | 1.41E-10 | 1.95E-06 |
| <i>SERPINE2</i> | 0.34556994 | 1.42E-10 | 1.96E-06 |
| <i>ANAPC4</i> | 0.34556081 | 1.42E-10 | 1.96E-06 |
| <i>MRPS34</i> | 0.34553972 | 1.42E-10 | 1.96E-06 |
| <i>QRSL1</i> | 0.34536487 | 1.45E-10 | 2.01E-06 |
| <i>CHAF1A</i> | 0.34512396 | 1.50E-10 | 2.07E-06 |
| <i>SPACA3</i> | 0.34510607 | 1.50E-10 | 2.08E-06 |
| <i>PIGA</i> | 0.34503804 | 1.52E-10 | 2.09E-06 |
| <i>CCDC85B</i> | 0.34503215 | 1.52E-10 | 2.09E-06 |
| <i>PLD6</i> | 0.34501958 | 1.52E-10 | 2.10E-06 |
| <i>PKP1</i> | 0.34500849 | 1.52E-10 | 2.10E-06 |
| <i>IL11</i> | 0.34477222 | 1.57E-10 | 2.17E-06 |
| <i>ARPC5L</i> | 0.3446261 | 1.60E-10 | 2.21E-06 |
| <i>CST2</i> | 0.34462071 | 1.60E-10 | 2.21E-06 |
| <i>SF3A2</i> | 0.34446304 | 1.63E-10 | 2.25E-06 |
| <i>HNRNPF</i> | 0.34444506 | 1.64E-10 | 2.26E-06 |
| <i>ZNF786</i> | 0.34419755 | 1.69E-10 | 2.33E-06 |
| <i>RTDR1</i> | 0.34418507 | 1.69E-10 | 2.33E-06 |
| <i>RPL21</i> | 0.34408626 | 1.72E-10 | 2.36E-06 |
| <i>TRIM65</i> | 0.34395121 | 1.75E-10 | 2.40E-06 |
| <i>SNHG8</i> | 0.34393617 | 1.75E-10 | 2.41E-06 |

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| <i>MRPL14</i> | 0.34340557 | 1.87E-10 | 2.58E-06 |
| <i>HEATR3</i> | 0.34336303 | 1.88E-10 | 2.59E-06 |
| <i>UBE2W</i> | 0.34323065 | 1.92E-10 | 2.64E-06 |
| <i>TERC</i> | 0.34316473 | 1.93E-10 | 2.66E-06 |
| <i>RPL13</i> | 0.34302489 | 1.97E-10 | 2.70E-06 |
| <i>IFT80</i> | 0.34302457 | 1.97E-10 | 2.70E-06 |
| <i>CTHRC1</i> | 0.34287106 | 2.01E-10 | 2.76E-06 |
| <i>HYAL2</i> | 0.34260511 | 2.08E-10 | 2.85E-06 |
| <i>LOC493754</i> | 0.34253696 | 2.10E-10 | 2.88E-06 |
| <i>TTYH3</i> | 0.34243752 | 2.12E-10 | 2.91E-06 |
| <i>SFT2D3</i> | 0.34240942 | 2.13E-10 | 2.92E-06 |
| <i>RPL19P12</i> | 0.34238709 | 2.14E-10 | 2.93E-06 |
| <i>ETS2</i> | 0.34234349 | 2.15E-10 | 2.95E-06 |
| <i>PPP1R3D</i> | 0.34229442 | 2.16E-10 | 2.97E-06 |
| <i>HSBP1</i> | 0.34222174 | 2.18E-10 | 2.99E-06 |
| <i>PRR5-ARHG</i> | 0.34173945 | 2.32E-10 | 3.18E-06 |
| <i>RPS5</i> | 0.34154238 | 2.38E-10 | 3.26E-06 |
| <i>CDC34</i> | 0.34152609 | 2.39E-10 | 3.27E-06 |
| <i>CCDC124</i> | 0.34147744 | 2.40E-10 | 3.29E-06 |
| <i>RRP8</i> | 0.34137462 | 2.43E-10 | 3.33E-06 |
| <i>BRIP1</i> | 0.3413367 | 2.44E-10 | 3.35E-06 |
| <i>APRT</i> | 0.34125395 | 2.47E-10 | 3.38E-06 |
| <i>ZAK</i> | 0.34123297 | 2.48E-10 | 3.39E-06 |
| <i>APOA1BP</i> | 0.34112661 | 2.51E-10 | 3.44E-06 |
| <i>DCLRE1C</i> | 0.34111052 | 2.52E-10 | 3.45E-06 |
| <i>UBE2D1</i> | 0.34105153 | 2.54E-10 | 3.47E-06 |
| <i>KRI1</i> | 0.34101147 | 2.55E-10 | 3.49E-06 |
| <i>NME4</i> | 0.34078689 | 2.62E-10 | 3.59E-06 |
| <i>ZNF623</i> | 0.34077911 | 2.63E-10 | 3.59E-06 |
| <i>NCAPD2</i> | 0.34076428 | 2.63E-10 | 3.60E-06 |
| <i>ZNF280A</i> | 0.3407085 | 2.65E-10 | 3.63E-06 |
| <i>ITGB1BP1</i> | 0.34068637 | 2.66E-10 | 3.64E-06 |
| <i>DSG1</i> | 0.34056045 | 2.70E-10 | 3.69E-06 |
| <i>CMC1</i> | 0.34037112 | 2.77E-10 | 3.78E-06 |
| <i>PRPF40B</i> | 0.34035058 | 2.77E-10 | 3.79E-06 |
| <i>C7orf13</i> | 0.34020355 | 2.83E-10 | 3.87E-06 |
| <i>HSF4</i> | 0.34020171 | 2.83E-10 | 3.87E-06 |
| <i>ACLY</i> | 0.34012931 | 2.85E-10 | 3.90E-06 |
| <i>C1orf59</i> | 0.34001284 | 2.89E-10 | 3.96E-06 |
| <i>BCL7C</i> | 0.33989817 | 2.94E-10 | 4.02E-06 |
| <i>TASP1</i> | 0.33987007 | 2.95E-10 | 4.03E-06 |
| <i>LOC388152</i> | 0.33979285 | 2.98E-10 | 4.07E-06 |
| <i>C9orf57</i> | 0.33977397 | 2.98E-10 | 4.08E-06 |
| <i>ZNF581</i> | 0.33976663 | 2.99E-10 | 4.08E-06 |
| <i>HS2ST1</i> | 0.33954858 | 3.07E-10 | 4.20E-06 |
| <i>RB1</i> | 0.33937418 | 3.14E-10 | 4.29E-06 |
| <i>CCDC15</i> | 0.33934971 | 3.15E-10 | 4.30E-06 |
| <i>PDCD11</i> | 0.33934499 | 3.15E-10 | 4.30E-06 |
| <i>MRPS27</i> | 0.33932877 | 3.16E-10 | 4.31E-06 |
| <i>CXorf50B</i> | 0.33927032 | 3.18E-10 | 4.34E-06 |
| <i>GCLC</i> | 0.33925232 | 3.19E-10 | 4.35E-06 |

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| <i>MAK16</i> | 0.3391911 | 3.21E-10 | 4.39E-06 |
| <i>FAIM</i> | 0.33917325 | 3.22E-10 | 4.40E-06 |
| <i>YAP1</i> | 0.33888119 | 3.34E-10 | 4.56E-06 |
| <i>EPDR1</i> | 0.33882184 | 3.37E-10 | 4.59E-06 |
| <i>REEP6</i> | 0.33870083 | 3.42E-10 | 4.66E-06 |
| <i>OFD1</i> | 0.33853343 | 3.49E-10 | 4.76E-06 |
| <i>UCN2</i> | 0.33831798 | 3.59E-10 | 4.89E-06 |
| <i>WFDC10B</i> | 0.33830831 | 3.59E-10 | 4.90E-06 |
| <i>HSD17B12</i> | 0.33824978 | 3.62E-10 | 4.93E-06 |
| <i>RALY</i> | 0.33802162 | 3.73E-10 | 5.08E-06 |
| <i>MCM3APAS</i> | 0.33801402 | 3.73E-10 | 5.08E-06 |
| <i>RACGAP1P</i> | 0.33793682 | 3.77E-10 | 5.13E-06 |
| <i>HPS3</i> | 0.33790215 | 3.78E-10 | 5.15E-06 |
| <i>LOC285359</i> | 0.33790077 | 3.78E-10 | 5.15E-06 |
| <i>ZBTB2</i> | 0.33766335 | 3.90E-10 | 5.31E-06 |
| <i>PIPSL</i> | 0.33764697 | 3.91E-10 | 5.32E-06 |
| <i>C2orf48</i> | 0.33758158 | 3.94E-10 | 5.36E-06 |
| <i>PMEPA1</i> | 0.33737263 | 4.05E-10 | 5.50E-06 |
| <i>VPS35</i> | 0.33729767 | 4.08E-10 | 5.55E-06 |
| <i>MSL3</i> | 0.33727389 | 4.10E-10 | 5.57E-06 |
| <i>EVPL</i> | 0.33724528 | 4.11E-10 | 5.59E-06 |
| <i>LONP1</i> | 0.33721259 | 4.13E-10 | 5.61E-06 |
| <i>RPLP0</i> | 0.33719583 | 4.14E-10 | 5.62E-06 |
| <i>ZBTB41</i> | 0.33708648 | 4.19E-10 | 5.70E-06 |
| <i>UBL4A</i> | 0.33705488 | 4.21E-10 | 5.72E-06 |
| <i>CTSH</i> | 0.33687909 | 4.30E-10 | 5.85E-06 |
| <i>URB1</i> | 0.33682917 | 4.33E-10 | 5.88E-06 |
| <i>C17orf90</i> | 0.33675939 | 4.37E-10 | 5.93E-06 |
| <i>VRK2</i> | 0.3365738 | 4.47E-10 | 6.07E-06 |
| <i>TLL9</i> | 0.33651346 | 4.51E-10 | 6.12E-06 |
| <i>LOC1001288</i> | 0.33650686 | 4.51E-10 | 6.12E-06 |
| <i>CCDC55</i> | 0.33645326 | 4.54E-10 | 6.16E-06 |
| <i>PPIE</i> | 0.33608515 | 4.76E-10 | 6.45E-06 |
| <i>NR2C1</i> | 0.33607891 | 4.76E-10 | 6.45E-06 |
| <i>HNRNPA3</i> | 0.33602567 | 4.79E-10 | 6.50E-06 |
| <i>ANAPC11</i> | 0.33582675 | 4.91E-10 | 6.66E-06 |
| <i>FKBP9</i> | 0.33576984 | 4.95E-10 | 6.71E-06 |
| <i>LOC1002722</i> | 0.33574283 | 4.97E-10 | 6.73E-06 |
| <i>LGR5</i> | 0.33546351 | 5.14E-10 | 6.96E-06 |
| <i>MRPL1</i> | 0.33541695 | 5.17E-10 | 7.00E-06 |
| <i>NXT2</i> | 0.3353566 | 5.21E-10 | 7.05E-06 |
| <i>KPNA4</i> | 0.33534398 | 5.22E-10 | 7.07E-06 |
| <i>C20orf195</i> | 0.33534036 | 5.22E-10 | 7.07E-06 |
| <i>YBX1</i> | 0.3351955 | 5.32E-10 | 7.20E-06 |
| <i>H2AFX</i> | 0.3349153 | 5.51E-10 | 7.45E-06 |
| <i>LOC81691</i> | 0.33488185 | 5.53E-10 | 7.48E-06 |
| <i>AKD1</i> | 0.33481071 | 5.58E-10 | 7.55E-06 |
| <i>MRI1</i> | 0.33479206 | 5.59E-10 | 7.56E-06 |
| <i>MFAP2</i> | 0.33466351 | 5.68E-10 | 7.68E-06 |
| <i>CPSF1</i> | 0.33445229 | 5.84E-10 | 7.89E-06 |
| <i>ZC3HAV1L</i> | 0.33440533 | 5.87E-10 | 7.93E-06 |

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| <i>ZNF514</i> | 0.33430051 | 5.95E-10 | 8.04E-06 |
| <i>MYB</i> | 0.33421209 | 6.01E-10 | 8.12E-06 |
| <i>OTX1</i> | 0.33419592 | 6.03E-10 | 8.14E-06 |
| <i>ZMYM2</i> | 0.33408406 | 6.11E-10 | 8.25E-06 |
| <i>AGAP6</i> | 0.33395288 | 6.21E-10 | 8.38E-06 |
| <i>CDC37</i> | 0.33394167 | 6.22E-10 | 8.40E-06 |
| <i>SRXN1</i> | 0.33392756 | 6.23E-10 | 8.41E-06 |
| <i>GRWD1</i> | 0.33389945 | 6.25E-10 | 8.44E-06 |
| <i>FASTKD3</i> | 0.33358569 | 6.50E-10 | 8.77E-06 |
| <i>PATZ1</i> | 0.33355721 | 6.52E-10 | 8.80E-06 |
| <i>CTU1</i> | 0.33354414 | 6.54E-10 | 8.81E-06 |
| <i>NENF</i> | 0.33354238 | 6.54E-10 | 8.82E-06 |
| <i>FGFR1OP</i> | 0.33333957 | 6.70E-10 | 9.04E-06 |
| <i>RAB15</i> | 0.33321028 | 6.81E-10 | 9.18E-06 |
| <i>DDX11</i> | 0.33319819 | 6.82E-10 | 9.20E-06 |
| <i>HSPBP1</i> | 0.33316378 | 6.85E-10 | 9.23E-06 |
| <i>ANKS6</i> | 0.33315986 | 6.86E-10 | 9.24E-06 |
| <i>STAMBPL1</i> | 0.33314456 | 6.87E-10 | 9.25E-06 |
| <i>PALM3</i> | 0.33311751 | 6.89E-10 | 9.29E-06 |
| <i>DLGAP4</i> | 0.33301518 | 6.98E-10 | 9.40E-06 |
| <i>PHLDA2</i> | 0.33300745 | 6.99E-10 | 9.41E-06 |
| <i>ZBTB24</i> | 0.33269236 | 7.27E-10 | 9.78E-06 |
| <i>TMEM126A</i> | 0.3325727 | 7.37E-10 | 9.93E-06 |
| <i>C9orf119</i> | 0.33251114 | 7.43E-10 | 1.00E-05 |
| <i>LOC286467</i> | 0.33241815 | 7.52E-10 | 1.01E-05 |
| <i>SRRD</i> | 0.33232594 | 7.60E-10 | 1.02E-05 |
| <i>SFRS12</i> | 0.33222892 | 7.69E-10 | 1.04E-05 |
| <i>HNRNPA3P1</i> | 0.33214425 | 7.78E-10 | 1.05E-05 |
| <i>ZNF48</i> | 0.33208246 | 7.84E-10 | 1.05E-05 |
| <i>NXPH1</i> | 0.33201561 | 7.90E-10 | 1.06E-05 |
| <i>GAPDHS</i> | 0.33194997 | 7.97E-10 | 1.07E-05 |
| <i>BCL7A</i> | 0.33185149 | 8.06E-10 | 1.08E-05 |
| <i>ATP2C1</i> | 0.3314203 | 8.50E-10 | 1.14E-05 |
| <i>TMEM39A</i> | 0.33134953 | 8.58E-10 | 1.15E-05 |
| <i>TMEM198</i> | 0.33133842 | 8.59E-10 | 1.15E-05 |
| <i>C19orf50</i> | 0.33123771 | 8.70E-10 | 1.17E-05 |
| <i>POM121</i> | 0.33120622 | 8.73E-10 | 1.17E-05 |
| <i>ANGEL2</i> | 0.33119244 | 8.75E-10 | 1.17E-05 |
| <i>RBBP6</i> | 0.33118032 | 8.76E-10 | 1.18E-05 |
| <i>SARNP</i> | 0.33114633 | 8.80E-10 | 1.18E-05 |
| <i>TAF6</i> | 0.33113835 | 8.81E-10 | 1.18E-05 |
| <i>MNX1</i> | 0.33104427 | 8.91E-10 | 1.20E-05 |
| <i>C9orf163</i> | 0.33085227 | 9.12E-10 | 1.22E-05 |
| <i>COMMD10</i> | 0.33065209 | 9.35E-10 | 1.25E-05 |
| <i>GPCPD1</i> | 0.33061197 | 9.40E-10 | 1.26E-05 |
| <i>ABLIM2</i> | 0.33057453 | 9.44E-10 | 1.27E-05 |
| <i>DHX15</i> | 0.33050341 | 9.52E-10 | 1.28E-05 |
| <i>STK36</i> | 0.33044356 | 9.59E-10 | 1.29E-05 |
| <i>UHRF2</i> | 0.33037918 | 9.67E-10 | 1.30E-05 |
| <i>DGKZ</i> | 0.33036922 | 9.68E-10 | 1.30E-05 |
| <i>GRPR</i> | 0.33031026 | 9.75E-10 | 1.31E-05 |

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| <i>S100P</i> | 0.33024881 | 9.82E-10 | 1.32E-05 |
| <i>TMEM231</i> | 0.33012143 | 9.98E-10 | 1.34E-05 |
| <i>TAS2R38</i> | 0.32986804 | 1.03E-09 | 1.38E-05 |
| <i>C13orf18</i> | 0.32983379 | 1.03E-09 | 1.38E-05 |
| <i>C15orf41</i> | 0.32958445 | 1.07E-09 | 1.43E-05 |
| <i>FAM83H</i> | 0.32945562 | 1.08E-09 | 1.45E-05 |
| <i>PEX10</i> | 0.32931907 | 1.10E-09 | 1.47E-05 |
| <i>MRPL22</i> | 0.32930283 | 1.10E-09 | 1.48E-05 |
| <i>CPN1</i> | 0.32927002 | 1.11E-09 | 1.48E-05 |
| <i>LANCL2</i> | 0.32925518 | 1.11E-09 | 1.48E-05 |
| <i>TIGD3</i> | 0.32924799 | 1.11E-09 | 1.49E-05 |
| <i>UBXN11</i> | 0.32922616 | 1.11E-09 | 1.49E-05 |
| <i>ZRANB2</i> | 0.3292042 | 1.12E-09 | 1.49E-05 |
| <i>C10orf78</i> | 0.3291634 | 1.12E-09 | 1.50E-05 |
| <i>SPTBN5</i> | 0.3291158 | 1.13E-09 | 1.51E-05 |
| <i>RPL22</i> | 0.32903936 | 1.14E-09 | 1.52E-05 |
| <i>RDH12</i> | 0.3290049 | 1.14E-09 | 1.53E-05 |
| <i>ALG1L</i> | 0.32879796 | 1.17E-09 | 1.57E-05 |
| <i>CA9</i> | 0.3287651 | 1.18E-09 | 1.57E-05 |
| <i>AIG1</i> | 0.32872637 | 1.18E-09 | 1.58E-05 |
| <i>SLC25A27</i> | 0.32865774 | 1.19E-09 | 1.59E-05 |
| <i>SPNS3</i> | 0.32858743 | 1.20E-09 | 1.61E-05 |
| <i>SCLT1</i> | 0.3285536 | 1.21E-09 | 1.61E-05 |
| <i>PROCR</i> | 0.32855225 | 1.21E-09 | 1.61E-05 |
| <i>SNTN</i> | 0.32845297 | 1.22E-09 | 1.63E-05 |
| <i>NODAL</i> | 0.32845232 | 1.22E-09 | 1.63E-05 |
| <i>SHISA5</i> | 0.32843903 | 1.23E-09 | 1.64E-05 |
| <i>C14orf33</i> | 0.32841913 | 1.23E-09 | 1.64E-05 |
| <i>PEX7</i> | 0.32840047 | 1.23E-09 | 1.64E-05 |
| <i>COPZ1</i> | 0.32832407 | 1.24E-09 | 1.66E-05 |
| <i>DUSP9</i> | 0.32831845 | 1.24E-09 | 1.66E-05 |
| <i>POLR3H</i> | 0.32829339 | 1.25E-09 | 1.67E-05 |
| <i>ZNF184</i> | 0.32822922 | 1.26E-09 | 1.68E-05 |
| <i>MRPL52</i> | 0.32819111 | 1.26E-09 | 1.69E-05 |
| <i>FBXL6</i> | 0.32784966 | 1.32E-09 | 1.76E-05 |
| <i>CPNE9</i> | 0.32777468 | 1.33E-09 | 1.77E-05 |
| <i>ZNF16</i> | 0.32756369 | 1.36E-09 | 1.82E-05 |
| <i>GTF2H4</i> | 0.32751 | 1.37E-09 | 1.83E-05 |
| <i>SCARNA9L</i> | 0.3273691 | 1.40E-09 | 1.86E-05 |
| <i>C11orf61</i> | 0.32735631 | 1.40E-09 | 1.86E-05 |
| <i>DNMT1</i> | 0.32733038 | 1.40E-09 | 1.87E-05 |
| <i>PIR</i> | 0.32728595 | 1.41E-09 | 1.88E-05 |
| <i>IL8</i> | 0.32728282 | 1.41E-09 | 1.88E-05 |
| <i>UBAP2</i> | 0.32724026 | 1.42E-09 | 1.89E-05 |
| <i>FKBP4</i> | 0.32723131 | 1.42E-09 | 1.89E-05 |
| <i>RNF216</i> | 0.32719279 | 1.43E-09 | 1.90E-05 |
| <i>C1orf174</i> | 0.32717009 | 1.43E-09 | 1.90E-05 |
| <i>COG5</i> | 0.32716174 | 1.43E-09 | 1.91E-05 |
| <i>STYXL1</i> | 0.32715612 | 1.43E-09 | 1.91E-05 |
| <i>PHF10</i> | 0.32696198 | 1.47E-09 | 1.95E-05 |
| <i>ATG16L1</i> | 0.32685537 | 1.49E-09 | 1.98E-05 |

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| <i>LYPLAL1</i> | 0.3268462 | 1.49E-09 | 1.98E-05 |
| <i>C6orf64</i> | 0.32681888 | 1.49E-09 | 1.99E-05 |
| <i>DHX57</i> | 0.32680697 | 1.50E-09 | 1.99E-05 |
| <i>UROS</i> | 0.3267445 | 1.51E-09 | 2.00E-05 |
| <i>PATL1</i> | 0.32665148 | 1.52E-09 | 2.03E-05 |
| <i>DACH1</i> | 0.32662685 | 1.53E-09 | 2.03E-05 |
| <i>MDH2</i> | 0.32660723 | 1.53E-09 | 2.04E-05 |
| <i>IPO11</i> | 0.32658674 | 1.54E-09 | 2.04E-05 |
| <i>PDIA6</i> | 0.32644463 | 1.56E-09 | 2.08E-05 |
| <i>CIR1</i> | 0.32641921 | 1.57E-09 | 2.08E-05 |
| <i>KRT17</i> | 0.32635496 | 1.58E-09 | 2.10E-05 |
| <i>LMNB1</i> | 0.32623184 | 1.60E-09 | 2.13E-05 |
| <i>LOC399815</i> | 0.32622158 | 1.61E-09 | 2.13E-05 |
| <i>TIMM13</i> | 0.32616426 | 1.62E-09 | 2.15E-05 |
| <i>AGMAT</i> | 0.32609744 | 1.63E-09 | 2.16E-05 |
| <i>CAMLG</i> | 0.32591154 | 1.67E-09 | 2.21E-05 |
| <i>NEDD4</i> | 0.32584898 | 1.68E-09 | 2.23E-05 |
| <i>DIABLO</i> | 0.32574107 | 1.70E-09 | 2.26E-05 |
| <i>CLK1</i> | 0.32572563 | 1.71E-09 | 2.26E-05 |
| <i>CLTA</i> | 0.32561084 | 1.73E-09 | 2.29E-05 |
| <i>PGK1</i> | 0.32556541 | 1.74E-09 | 2.30E-05 |
| <i>EIF2C2</i> | 0.32545719 | 1.76E-09 | 2.33E-05 |
| <i>SCARB1</i> | 0.3252723 | 1.80E-09 | 2.39E-05 |
| <i>SKIV2L2</i> | 0.32520987 | 1.82E-09 | 2.40E-05 |
| <i>ANKRD27</i> | 0.32511414 | 1.84E-09 | 2.43E-05 |
| <i>LOC649330</i> | 0.32507861 | 1.84E-09 | 2.44E-05 |
| <i>FLJ22536</i> | 0.32504894 | 1.85E-09 | 2.45E-05 |
| <i>ZNF507</i> | 0.32504618 | 1.85E-09 | 2.45E-05 |
| <i>PDS5B</i> | 0.32503929 | 1.85E-09 | 2.45E-05 |
| <i>CDKAL1</i> | 0.32498071 | 1.87E-09 | 2.47E-05 |
| <i>STX6</i> | 0.32496957 | 1.87E-09 | 2.47E-05 |
| <i>YKT6</i> | 0.32496128 | 1.87E-09 | 2.48E-05 |
| <i>SKA1</i> | 0.32492242 | 1.88E-09 | 2.49E-05 |
| <i>POLD1</i> | 0.32491631 | 1.88E-09 | 2.49E-05 |
| <i>CNBP</i> | 0.32484747 | 1.90E-09 | 2.51E-05 |
| <i>RRP7A</i> | 0.32481927 | 1.90E-09 | 2.52E-05 |
| <i>CNOT10</i> | 0.32464321 | 1.94E-09 | 2.57E-05 |
| <i>ZNF238</i> | 0.32460942 | 1.95E-09 | 2.58E-05 |
| <i>LOC221710</i> | 0.32451515 | 1.97E-09 | 2.61E-05 |
| <i>TSR2</i> | 0.32444824 | 1.99E-09 | 2.63E-05 |
| <i>GTF3C5</i> | 0.32441905 | 2.00E-09 | 2.64E-05 |
| <i>SRP19</i> | 0.32437835 | 2.01E-09 | 2.65E-05 |
| <i>LOC388789</i> | 0.32427018 | 2.03E-09 | 2.69E-05 |
| <i>C12orf60</i> | 0.32415882 | 2.06E-09 | 2.72E-05 |
| <i>LSM14A</i> | 0.32407269 | 2.08E-09 | 2.75E-05 |
| <i>STX10</i> | 0.32400899 | 2.10E-09 | 2.77E-05 |
| <i>TMEM223</i> | 0.32388293 | 2.13E-09 | 2.81E-05 |
| <i>PTPDC1</i> | 0.32384948 | 2.14E-09 | 2.82E-05 |
| <i>C11orf95</i> | 0.32382928 | 2.14E-09 | 2.83E-05 |
| <i>STAG2</i> | 0.32378255 | 2.16E-09 | 2.84E-05 |
| <i>MYADML2</i> | 0.32369547 | 2.18E-09 | 2.87E-05 |

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|-------------------|------------|----------|----------|
| <i>GLRX2</i> | 0.32366721 | 2.19E-09 | 2.88E-05 |
| <i>LOC1001296</i> | 0.3236606 | 2.19E-09 | 2.88E-05 |
| <i>SEC61A2</i> | 0.32357442 | 2.21E-09 | 2.91E-05 |
| <i>IRF3</i> | 0.32356551 | 2.21E-09 | 2.92E-05 |
| <i>STOX1</i> | 0.32351963 | 2.23E-09 | 2.93E-05 |
| <i>LOC1001281</i> | 0.32324807 | 2.30E-09 | 3.03E-05 |
| <i>ARHGAP11A</i> | 0.32314891 | 2.33E-09 | 3.06E-05 |
| <i>GLCE</i> | 0.32314316 | 2.33E-09 | 3.07E-05 |
| <i>FAM200A</i> | 0.32310864 | 2.34E-09 | 3.08E-05 |
| <i>ERI2</i> | 0.32302172 | 2.36E-09 | 3.11E-05 |
| <i>SNRNP27</i> | 0.32301389 | 2.36E-09 | 3.11E-05 |
| <i>C19orf41</i> | 0.32296392 | 2.38E-09 | 3.13E-05 |
| <i>SIP1</i> | 0.32292826 | 2.39E-09 | 3.14E-05 |
| <i>CCDC51</i> | 0.32286298 | 2.41E-09 | 3.17E-05 |
| <i>PLA2G4E</i> | 0.32284579 | 2.41E-09 | 3.18E-05 |
| <i>EIF4A3</i> | 0.322649 | 2.47E-09 | 3.25E-05 |
| <i>MRPL55</i> | 0.32235271 | 2.56E-09 | 3.37E-05 |
| <i>SLC4A1AP</i> | 0.32219682 | 2.61E-09 | 3.43E-05 |
| <i>UBLCP1</i> | 0.32202011 | 2.66E-09 | 3.50E-05 |
| <i>CYP2D7P1</i> | 0.3219549 | 2.68E-09 | 3.53E-05 |
| <i>PPIL3</i> | 0.32186883 | 2.71E-09 | 3.56E-05 |
| <i>MEN1</i> | 0.32174858 | 2.75E-09 | 3.61E-05 |
| <i>ERI3</i> | 0.32171459 | 2.76E-09 | 3.63E-05 |
| <i>C20orf151</i> | 0.32168903 | 2.77E-09 | 3.64E-05 |
| <i>IPO9</i> | 0.32164053 | 2.79E-09 | 3.66E-05 |
| <i>PNPO</i> | 0.3215097 | 2.83E-09 | 3.71E-05 |
| <i>TMEM186</i> | 0.32103012 | 3.00E-09 | 3.93E-05 |
| <i>TOMM22</i> | 0.32101858 | 3.00E-09 | 3.93E-05 |
| <i>NDUFA7</i> | 0.32099216 | 3.01E-09 | 3.95E-05 |
| <i>BMP4</i> | 0.32096354 | 3.02E-09 | 3.96E-05 |
| <i>KIFC2</i> | 0.32084853 | 3.06E-09 | 4.01E-05 |
| <i>DMTF1</i> | 0.32078455 | 3.08E-09 | 4.04E-05 |
| <i>CCL20</i> | 0.32071833 | 3.11E-09 | 4.07E-05 |
| <i>IWS1</i> | 0.32070454 | 3.11E-09 | 4.08E-05 |
| <i>FGA</i> | 0.32068052 | 3.12E-09 | 4.09E-05 |
| <i>SC4MOL</i> | 0.32053019 | 3.18E-09 | 4.16E-05 |
| <i>DCAF4</i> | 0.32045188 | 3.21E-09 | 4.20E-05 |
| <i>SH2D5</i> | 0.32040013 | 3.23E-09 | 4.23E-05 |
| <i>C11orf10</i> | 0.32034318 | 3.25E-09 | 4.26E-05 |
| <i>DNASE1L2</i> | 0.32033965 | 3.25E-09 | 4.26E-05 |
| <i>DARS2</i> | 0.32030946 | 3.26E-09 | 4.27E-05 |
| <i>C20orf3</i> | 0.32022396 | 3.30E-09 | 4.32E-05 |
| <i>CCNL2</i> | 0.32022395 | 3.30E-09 | 4.32E-05 |
| <i>ZNF343</i> | 0.32017782 | 3.31E-09 | 4.34E-05 |
| <i>LRRC16B</i> | 0.32006516 | 3.36E-09 | 4.40E-05 |
| <i>AMMECR1L</i> | 0.31975799 | 3.48E-09 | 4.56E-05 |
| <i>COL7A1</i> | 0.31975196 | 3.49E-09 | 4.56E-05 |
| <i>ZNF434</i> | 0.31973871 | 3.49E-09 | 4.57E-05 |
| <i>WBSCR16</i> | 0.31971227 | 3.50E-09 | 4.58E-05 |
| <i>C2orf3</i> | 0.3196893 | 3.51E-09 | 4.59E-05 |
| <i>ERF</i> | 0.31957059 | 3.56E-09 | 4.66E-05 |

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| <i>NDRG3</i> | 0.31946782 | 3.61E-09 | 4.71E-05 |
| <i>RAP2C</i> | 0.31946244 | 3.61E-09 | 4.72E-05 |
| <i>LOC646999</i> | 0.31942689 | 3.62E-09 | 4.73E-05 |
| <i>SH3GL1</i> | 0.31936297 | 3.65E-09 | 4.77E-05 |
| <i>JRKL</i> | 0.31928447 | 3.68E-09 | 4.81E-05 |
| <i>PLAC1</i> | 0.31924667 | 3.70E-09 | 4.83E-05 |
| <i>RANBP6</i> | 0.31921083 | 3.72E-09 | 4.85E-05 |
| <i>MKI67</i> | 0.31851476 | 4.03E-09 | 5.26E-05 |
| <i>KIAA1429</i> | 0.31848687 | 4.05E-09 | 5.28E-05 |
| <i>SDC4</i> | 0.31845641 | 4.06E-09 | 5.30E-05 |
| <i>TMEM211</i> | 0.31840345 | 4.09E-09 | 5.33E-05 |
| <i>ASPSCR1</i> | 0.31840335 | 4.09E-09 | 5.33E-05 |
| <i>MON1A</i> | 0.31827095 | 4.15E-09 | 5.41E-05 |
| <i>FAM128A</i> | 0.31802477 | 4.27E-09 | 5.57E-05 |
| <i>PCSK9</i> | 0.31795852 | 4.31E-09 | 5.61E-05 |
| <i>PRDX2</i> | 0.31793462 | 4.32E-09 | 5.63E-05 |
| <i>CCDC122</i> | 0.3175982 | 4.49E-09 | 5.85E-05 |
| <i>POGK</i> | 0.31758798 | 4.50E-09 | 5.86E-05 |
| <i>TIMP1</i> | 0.31756844 | 4.51E-09 | 5.87E-05 |
| <i>PIGM</i> | 0.31741745 | 4.59E-09 | 5.97E-05 |
| <i>CD47</i> | 0.3173529 | 4.63E-09 | 6.02E-05 |
| <i>ANKRD26</i> | 0.31726236 | 4.67E-09 | 6.08E-05 |
| <i>KTELC1</i> | 0.31721847 | 4.70E-09 | 6.11E-05 |
| <i>PSTK</i> | 0.31710742 | 4.76E-09 | 6.19E-05 |
| <i>EPRS</i> | 0.31709434 | 4.77E-09 | 6.20E-05 |
| <i>RAD51</i> | 0.31706257 | 4.79E-09 | 6.22E-05 |
| <i>ASF1A</i> | 0.31694846 | 4.85E-09 | 6.30E-05 |
| <i>THOC1</i> | 0.31689394 | 4.88E-09 | 6.34E-05 |
| <i>TOR3A</i> | 0.31673752 | 4.97E-09 | 6.46E-05 |
| <i>TM7SF2</i> | 0.31667095 | 5.01E-09 | 6.50E-05 |
| <i>B4GALT7</i> | 0.3163722 | 5.19E-09 | 6.73E-05 |
| <i>C2orf67</i> | 0.31636089 | 5.20E-09 | 6.74E-05 |
| <i>NUP133</i> | 0.31630854 | 5.23E-09 | 6.78E-05 |
| <i>ABCC2</i> | 0.31624973 | 5.26E-09 | 6.83E-05 |
| <i>PCMT1</i> | 0.31622856 | 5.28E-09 | 6.84E-05 |
| <i>CHID1</i> | 0.31616831 | 5.31E-09 | 6.89E-05 |
| <i>HNRNPR</i> | 0.31609114 | 5.36E-09 | 6.95E-05 |
| <i>FAM105B</i> | 0.31588268 | 5.49E-09 | 7.12E-05 |
| <i>IQCC</i> | 0.31562749 | 5.66E-09 | 7.34E-05 |
| <i>C1orf103</i> | 0.3155515 | 5.71E-09 | 7.40E-05 |
| <i>KDELR2</i> | 0.31549955 | 5.74E-09 | 7.44E-05 |
| <i>SLC27A5</i> | 0.31527291 | 5.90E-09 | 7.64E-05 |
| <i>GRHL1</i> | 0.31516602 | 5.97E-09 | 7.73E-05 |
| <i>PIGL</i> | 0.31507832 | 6.03E-09 | 7.81E-05 |
| <i>TUBD1</i> | 0.31482791 | 6.21E-09 | 8.04E-05 |
| <i>HDDC2</i> | 0.3146568 | 6.34E-09 | 8.19E-05 |
| <i>DLX6AS</i> | 0.31461775 | 6.37E-09 | 8.23E-05 |
| <i>AAAS</i> | 0.31456033 | 6.41E-09 | 8.28E-05 |
| <i>ZNF860</i> | 0.31451664 | 6.44E-09 | 8.33E-05 |
| <i>POLDIP2</i> | 0.31444644 | 6.49E-09 | 8.39E-05 |
| <i>SEC63</i> | 0.31442097 | 6.51E-09 | 8.42E-05 |

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| <i>FMNL2</i> | 0.31437347 | 6.55E-09 | 8.46E-05 |
| <i>CXCL2</i> | 0.31428271 | 6.62E-09 | 8.55E-05 |
| <i>AKAP8</i> | 0.31420136 | 6.68E-09 | 8.63E-05 |
| <i>MRPS18B</i> | 0.31414232 | 6.73E-09 | 8.69E-05 |
| <i>KIF5B</i> | 0.31378391 | 7.01E-09 | 9.05E-05 |
| <i>ZNF563</i> | 0.31367737 | 7.10E-09 | 9.16E-05 |
| <i>MC1R</i> | 0.31363281 | 7.14E-09 | 9.21E-05 |
| <i>KLHL17</i> | 0.31357146 | 7.19E-09 | 9.27E-05 |
| <i>CNIH4</i> | 0.31356679 | 7.19E-09 | 9.28E-05 |
| <i>TRMT2A</i> | 0.31356596 | 7.19E-09 | 9.28E-05 |
| <i>WWOX</i> | 0.31354817 | 7.21E-09 | 9.30E-05 |
| <i>CALU</i> | 0.3133606 | 7.36E-09 | 9.50E-05 |
| <i>COG6</i> | 0.31330484 | 7.41E-09 | 9.56E-05 |
| <i>CEP250</i> | 0.3132601 | 7.45E-09 | 9.61E-05 |
| <i>GUSBL2</i> | 0.31324075 | 7.47E-09 | 9.63E-05 |
| <i>EPHB2</i> | 0.31323392 | 7.47E-09 | 9.64E-05 |
| <i>SAC3D1</i> | 0.31295142 | 7.72E-09 | 9.95E-05 |
| <i>RPS3A</i> | 0.31270483 | 7.94E-09 | 0.00010232 |
| <i>SERPINA7</i> | 0.31250237 | 8.13E-09 | 0.00010469 |
| <i>PGP</i> | 0.31248042 | 8.15E-09 | 0.00010494 |
| <i>C2orf63</i> | 0.31247564 | 8.15E-09 | 0.00010499 |
| <i>TSFM</i> | 0.31243327 | 8.19E-09 | 0.00010548 |
| <i>CBWD3</i> | 0.31243141 | 8.20E-09 | 0.00010548 |
| <i>AQP6</i> | 0.31235654 | 8.27E-09 | 0.00010639 |
| <i>GNPNAT1</i> | 0.31216821 | 8.45E-09 | 0.00010869 |
| <i>MATR3</i> | 0.31214802 | 8.47E-09 | 0.00010893 |
| <i>TIGD2</i> | 0.31213948 | 8.48E-09 | 0.00010903 |
| <i>MRPL40</i> | 0.31211992 | 8.50E-09 | 0.00010926 |
| <i>SPDYE3</i> | 0.31202343 | 8.59E-09 | 0.00011046 |
| <i>MUTED</i> | 0.31201861 | 8.60E-09 | 0.00011051 |
| <i>ZNF121</i> | 0.31197188 | 8.64E-09 | 0.00011111 |
| <i>SLC19A1</i> | 0.31177877 | 8.84E-09 | 0.00011356 |
| <i>SUPV3L1</i> | 0.31170595 | 8.91E-09 | 0.0001145 |
| <i>MTL5</i> | 0.31165192 | 8.97E-09 | 0.00011521 |
| <i>DNAJC24</i> | 0.31156309 | 9.06E-09 | 0.00011636 |
| <i>MRPS14</i> | 0.31144139 | 9.18E-09 | 0.00011797 |
| <i>TPM4</i> | 0.31122656 | 9.41E-09 | 0.00012088 |
| <i>CXorf40B</i> | 0.31119292 | 9.45E-09 | 0.00012134 |
| <i>ABHD11</i> | 0.3110631 | 9.59E-09 | 0.00012311 |
| <i>CASK</i> | 0.31106257 | 9.59E-09 | 0.00012311 |
| <i>WDR83</i> | 0.31092025 | 9.75E-09 | 0.00012509 |
| <i>PPT2</i> | 0.31087126 | 9.81E-09 | 0.00012578 |
| <i>IRX5</i> | 0.31079543 | 9.89E-09 | 0.00012685 |
| <i>ARL13B</i> | 0.31073336 | 9.96E-09 | 0.00012773 |
| <i>ISM2</i> | 0.31065995 | 1.00E-08 | 0.00012877 |
| <i>CUL4B</i> | 0.31064838 | 1.01E-08 | 0.00012893 |
| <i>CLPP</i> | 0.31055351 | 1.02E-08 | 0.00013031 |
| <i>PRR3</i> | 0.31050882 | 1.02E-08 | 0.00013095 |
| <i>ZMYND17</i> | 0.31044453 | 1.03E-08 | 0.0001319 |
| <i>RAD23B</i> | 0.31043038 | 1.03E-08 | 0.00013211 |
| <i>HNF1A</i> | 0.31041184 | 1.03E-08 | 0.00013238 |

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| <i>CCDC148</i> | 0.31026858 | 1.05E-08 | 0.00013452 |
| <i>CTTNBP2</i> | 0.31025149 | 1.05E-08 | 0.00013475 |
| <i>MRPS26</i> | 0.31023484 | 1.05E-08 | 0.000135 |
| <i>FXN</i> | 0.31023243 | 1.05E-08 | 0.00013503 |
| <i>HIATL1</i> | 0.31022583 | 1.06E-08 | 0.00013512 |
| <i>ANKRD22</i> | 0.3101113 | 1.07E-08 | 0.00013687 |
| <i>C19orf61</i> | 0.31008518 | 1.07E-08 | 0.00013727 |
| <i>DHX36</i> | 0.31001 | 1.08E-08 | 0.00013842 |
| <i>PDSS1</i> | 0.309986 | 1.08E-08 | 0.00013879 |
| <i>C1orf43</i> | 0.30973535 | 1.12E-08 | 0.00014275 |
| <i>ZNF878</i> | 0.30966844 | 1.13E-08 | 0.00014381 |
| <i>SF3B1</i> | 0.30958315 | 1.14E-08 | 0.00014517 |
| <i>ZNF337</i> | 0.30950255 | 1.15E-08 | 0.00014647 |
| <i>RAD51AP2</i> | 0.30925671 | 1.18E-08 | 0.0001506 |
| <i>CISD2</i> | 0.30923664 | 1.18E-08 | 0.00015093 |
| <i>NEU1</i> | 0.3091555 | 1.19E-08 | 0.00015232 |
| <i>MID1IP1</i> | 0.30896872 | 1.22E-08 | 0.00015551 |
| <i>ZNF449</i> | 0.30883754 | 1.24E-08 | 0.00015781 |
| <i>B4GALT3</i> | 0.30874641 | 1.25E-08 | 0.00015941 |
| <i>KIF22</i> | 0.30869866 | 1.26E-08 | 0.00016027 |
| <i>JAG2</i> | 0.30865161 | 1.26E-08 | 0.0001611 |
| <i>SLC43A1</i> | 0.30843297 | 1.29E-08 | 0.00016507 |
| <i>NVL</i> | 0.30838333 | 1.30E-08 | 0.00016599 |
| <i>ELOVL5</i> | 0.30833874 | 1.31E-08 | 0.0001668 |
| <i>SUN1</i> | 0.30829519 | 1.32E-08 | 0.00016761 |
| <i>DNAJC10</i> | 0.30828187 | 1.32E-08 | 0.00016785 |
| <i>SFRS9</i> | 0.30826911 | 1.32E-08 | 0.00016808 |
| <i>HAUS1</i> | 0.30824041 | 1.32E-08 | 0.00016861 |
| <i>CD44</i> | 0.30811453 | 1.34E-08 | 0.000171 |
| <i>ALKBH6</i> | 0.30810854 | 1.34E-08 | 0.0001711 |
| <i>CLCN1</i> | 0.30802666 | 1.36E-08 | 0.00017265 |
| <i>CSTL1</i> | 0.30800991 | 1.36E-08 | 0.00017296 |
| <i>C13orf1</i> | 0.30798191 | 1.36E-08 | 0.00017349 |
| <i>EIF4E</i> | 0.30787492 | 1.38E-08 | 0.00017559 |
| <i>CPNE3</i> | 0.30777888 | 1.39E-08 | 0.00017743 |
| <i>DNASE1</i> | 0.30777177 | 1.40E-08 | 0.00017755 |
| <i>MCCC2</i> | 0.3077185 | 1.40E-08 | 0.0001786 |
| <i>PLS3</i> | 0.30770081 | 1.41E-08 | 0.00017895 |
| <i>DHFR</i> | 0.30767513 | 1.41E-08 | 0.00017946 |
| <i>SLC12A2</i> | 0.3076375 | 1.42E-08 | 0.00018021 |
| <i>C15orf44</i> | 0.3074671 | 1.44E-08 | 0.00018367 |
| <i>ETAA1</i> | 0.30746194 | 1.45E-08 | 0.00018376 |
| <i>C19orf60</i> | 0.30744761 | 1.45E-08 | 0.00018405 |
| <i>EDEM2</i> | 0.30738016 | 1.46E-08 | 0.00018543 |
| <i>AGTPBP1</i> | 0.30718215 | 1.49E-08 | 0.00018958 |
| <i>DTX2</i> | 0.30718135 | 1.49E-08 | 0.00018958 |
| <i>C12orf76</i> | 0.30703377 | 1.52E-08 | 0.00019271 |
| <i>TSR1</i> | 0.30700971 | 1.52E-08 | 0.0001932 |
| <i>WDR27</i> | 0.30698045 | 1.53E-08 | 0.00019382 |
| <i>MKS1</i> | 0.30697227 | 1.53E-08 | 0.00019399 |
| <i>DOCK6</i> | 0.30694747 | 1.53E-08 | 0.00019452 |

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| <i>TMEM60</i> | 0.30660484 | 1.59E-08 | 0.00020212 |
| <i>C2</i> | 0.30657975 | 1.60E-08 | 0.00020266 |
| <i>FAF1</i> | 0.30621303 | 1.66E-08 | 0.00021114 |
| <i>ZNF673</i> | 0.30611765 | 1.68E-08 | 0.00021335 |
| <i>TAF12</i> | 0.30594795 | 1.71E-08 | 0.00021739 |
| <i>CHERP</i> | 0.30593831 | 1.72E-08 | 0.00021761 |
| <i>DAXX</i> | 0.30586215 | 1.73E-08 | 0.00021943 |
| <i>YEATS2</i> | 0.30576251 | 1.75E-08 | 0.00022187 |
| <i>RCCD1</i> | 0.30573738 | 1.76E-08 | 0.00022247 |
| <i>ZNF707</i> | 0.30570121 | 1.76E-08 | 0.00022336 |
| <i>IGBP1</i> | 0.30567393 | 1.77E-08 | 0.00022403 |
| <i>NBN</i> | 0.3056423 | 1.77E-08 | 0.00022479 |
| <i>RG9MTD3</i> | 0.30561804 | 1.78E-08 | 0.00022537 |
| <i>GAS8</i> | 0.30557394 | 1.79E-08 | 0.00022647 |
| <i>CLN6</i> | 0.30531993 | 1.84E-08 | 0.00023295 |
| <i>TNNC1</i> | 0.30516608 | 1.87E-08 | 0.00023695 |
| <i>ARHGAP8</i> | 0.30501225 | 1.90E-08 | 0.00024097 |
| <i>LOC285768</i> | 0.3049813 | 1.91E-08 | 0.00024179 |
| <i>TJAP1</i> | 0.30496738 | 1.91E-08 | 0.00024213 |
| <i>DIAPH2</i> | 0.30479523 | 1.95E-08 | 0.00024678 |
| <i>F12</i> | 0.30474349 | 1.96E-08 | 0.0002482 |
| <i>RHOD</i> | 0.30454403 | 2.01E-08 | 0.0002537 |
| <i>EN2</i> | 0.30447365 | 2.02E-08 | 0.00025568 |
| <i>C6orf26</i> | 0.30446984 | 2.02E-08 | 0.00025577 |
| <i>BICD1</i> | 0.30437591 | 2.04E-08 | 0.00025841 |
| <i>URM1</i> | 0.30432908 | 2.06E-08 | 0.0002597 |
| <i>EIF2B1</i> | 0.30416618 | 2.09E-08 | 0.00026439 |
| <i>SH3BP4</i> | 0.30411249 | 2.11E-08 | 0.00026594 |
| <i>C13orf29</i> | 0.30410826 | 2.11E-08 | 0.00026602 |
| <i>NEUROG2</i> | 0.30388723 | 2.16E-08 | 0.00027258 |
| <i>C11orf48</i> | 0.30383481 | 2.17E-08 | 0.00027414 |
| <i>ELP4</i> | 0.30379003 | 2.18E-08 | 0.00027544 |
| <i>C6orf123</i> | 0.30375819 | 2.19E-08 | 0.00027638 |
| <i>NCRNA0011</i> | 0.30367767 | 2.21E-08 | 0.00027881 |
| <i>ORC1L</i> | 0.30339826 | 2.28E-08 | 0.00028744 |
| <i>PCNXL2</i> | 0.30337584 | 2.29E-08 | 0.00028814 |
| <i>RPL11</i> | 0.30333725 | 2.30E-08 | 0.00028935 |
| <i>RFXANK</i> | 0.30327145 | 2.31E-08 | 0.00029137 |
| <i>NCRNA0017</i> | 0.30326841 | 2.31E-08 | 0.00029144 |
| <i>DLX6</i> | 0.30315452 | 2.34E-08 | 0.00029511 |
| <i>PSMA4</i> | 0.30305648 | 2.37E-08 | 0.0002983 |
| <i>SCFD2</i> | 0.30304087 | 2.37E-08 | 0.00029877 |
| <i>ORM2</i> | 0.30300801 | 2.38E-08 | 0.00029982 |
| <i>FAM50A</i> | 0.30295404 | 2.40E-08 | 0.0003016 |
| <i>ZNF833</i> | 0.30259279 | 2.49E-08 | 0.00031373 |
| <i>LASS5</i> | 0.30247948 | 2.53E-08 | 0.00031762 |
| <i>C22orf29</i> | 0.30241062 | 2.55E-08 | 0.00031996 |
| <i>AARS</i> | 0.30239107 | 2.55E-08 | 0.00032063 |
| <i>DLEU7</i> | 0.30222669 | 2.60E-08 | 0.00032642 |
| <i>C10orf88</i> | 0.30218668 | 2.61E-08 | 0.00032785 |
| <i>CABLES2</i> | 0.30204196 | 2.65E-08 | 0.00033304 |

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| <i>C6orf153</i> | 0.30196101 | 2.68E-08 | 0.00033593 |
| <i>PTK7</i> | 0.30190289 | 2.69E-08 | 0.00033808 |
| <i>NFAT5</i> | 0.3018942 | 2.70E-08 | 0.00033835 |
| <i>LRFN4</i> | 0.30162073 | 2.78E-08 | 0.00034858 |
| <i>RNF25</i> | 0.30159135 | 2.79E-08 | 0.00034969 |
| <i>NOX4</i> | 0.30156054 | 2.80E-08 | 0.00035082 |
| <i>SLC35A2</i> | 0.30132885 | 2.87E-08 | 0.00035981 |
| <i>GPR81</i> | 0.30103002 | 2.97E-08 | 0.00037174 |
| <i>ANO9</i> | 0.3009172 | 3.00E-08 | 0.00037633 |
| <i>DDIT3</i> | 0.30082616 | 3.03E-08 | 0.0003801 |
| <i>ST20</i> | 0.30074326 | 3.06E-08 | 0.00038347 |
| <i>C3orf67</i> | 0.30056065 | 3.12E-08 | 0.00039105 |
| <i>HDAC3</i> | 0.300511 | 3.14E-08 | 0.0003931 |
| <i>REPIN1</i> | 0.30049606 | 3.15E-08 | 0.00039371 |
| <i>FXR1</i> | 0.30048913 | 3.15E-08 | 0.00039398 |
| <i>GSTP1</i> | 0.30045164 | 3.16E-08 | 0.00039555 |
| <i>CLDN14</i> | 0.3003264 | 3.20E-08 | 0.00040095 |
| <i>RPL34</i> | 0.30029789 | 3.21E-08 | 0.00040217 |
| <i>C8ORFK29</i> | 0.30012454 | 3.28E-08 | 0.00040972 |
| <i>EED</i> | 0.29988153 | 3.37E-08 | 0.00042058 |
| <i>MPV17L2</i> | 0.29944451 | 3.53E-08 | 0.00044108 |
| <i>C2orf27A</i> | 0.29935929 | 3.56E-08 | 0.00044512 |
| <i>TRAF3IP1</i> | 0.29935775 | 3.56E-08 | 0.00044515 |
| <i>HPDL</i> | 0.29931893 | 3.58E-08 | 0.00044695 |
| <i>TMEM69</i> | 0.29931406 | 3.58E-08 | 0.00044715 |
| <i>LOC401588</i> | 0.29930762 | 3.58E-08 | 0.00044743 |
| <i>IGFL4</i> | 0.2991783 | 3.64E-08 | 0.00045367 |
| <i>SERBP1</i> | 0.2991652 | 3.64E-08 | 0.00045429 |
| <i>KLRG2</i> | 0.29907199 | 3.68E-08 | 0.00045881 |
| <i>ARL16</i> | 0.29902102 | 3.70E-08 | 0.00046123 |
| <i>HSPA4</i> | 0.29887748 | 3.76E-08 | 0.00046846 |
| <i>HSDL1</i> | 0.2988749 | 3.76E-08 | 0.00046853 |
| <i>C8orf44</i> | 0.29877113 | 3.80E-08 | 0.00047364 |
| <i>C1orf91</i> | 0.29873071 | 3.82E-08 | 0.00047563 |
| <i>COL9A3</i> | 0.29872945 | 3.82E-08 | 0.00047565 |
| <i>PLAU</i> | 0.29862671 | 3.86E-08 | 0.00048087 |
| <i>ZNF282</i> | 0.29861897 | 3.86E-08 | 0.00048124 |
| <i>FMR1</i> | 0.29856095 | 3.89E-08 | 0.00048423 |
| <i>LPCAT2</i> | 0.29849141 | 3.92E-08 | 0.00048781 |
| <i>PHACTR3</i> | 0.29825288 | 4.02E-08 | 0.00050057 |
| <i>C1orf9</i> | 0.29821037 | 4.04E-08 | 0.00050286 |
| <i>PFKM</i> | 0.29820483 | 4.04E-08 | 0.00050312 |
| <i>SUPT7L</i> | 0.29812174 | 4.08E-08 | 0.00050758 |
| <i>SERPINA4</i> | 0.29808969 | 4.09E-08 | 0.00050932 |
| <i>KCTD13</i> | 0.29799083 | 4.14E-08 | 0.00051472 |
| <i>RPL28</i> | 0.29797149 | 4.15E-08 | 0.00051564 |
| <i>PRDM13</i> | 0.29783201 | 4.21E-08 | 0.00052338 |
| <i>TMEM42</i> | 0.29781216 | 4.22E-08 | 0.00052443 |
| <i>OSBPL10</i> | 0.29754722 | 4.34E-08 | 0.00053962 |
| <i>MLLT10</i> | 0.29753502 | 4.35E-08 | 0.00054029 |
| <i>FANCM</i> | 0.2971825 | 4.52E-08 | 0.00056097 |

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| <i>PPIL6</i> | 0.29677812 | 4.72E-08 | 0.00058571 |
| <i>RPL13AP3</i> | 0.29676104 | 4.73E-08 | 0.00058675 |
| <i>ITGB8</i> | 0.2967563 | 4.73E-08 | 0.000587 |
| <i>SCARNA9</i> | 0.29665664 | 4.79E-08 | 0.00059329 |
| <i>MS4A15</i> | 0.29665131 | 4.79E-08 | 0.00059359 |
| <i>MRPL2</i> | 0.29658064 | 4.83E-08 | 0.00059802 |
| <i>SPATA17</i> | 0.29657192 | 4.83E-08 | 0.00059853 |
| <i>RAD51C</i> | 0.29653981 | 4.85E-08 | 0.00060053 |
| <i>SPRY4</i> | 0.29637187 | 4.94E-08 | 0.00061147 |
| <i>UBQLN1</i> | 0.29636024 | 4.94E-08 | 0.00061219 |
| <i>GRB10</i> | 0.29612669 | 5.07E-08 | 0.00062773 |
| <i>TTC25</i> | 0.29605629 | 5.11E-08 | 0.00063244 |
| <i>PHF11</i> | 0.29605113 | 5.11E-08 | 0.00063274 |
| <i>PTF1A</i> | 0.29601473 | 5.13E-08 | 0.00063519 |
| <i>ATP6V1H</i> | 0.29591975 | 5.18E-08 | 0.0006416 |
| <i>EVX1</i> | 0.2958718 | 5.21E-08 | 0.00064483 |
| <i>TCTN1</i> | 0.29584576 | 5.23E-08 | 0.00064649 |
| <i>LUC7L</i> | 0.29575744 | 5.28E-08 | 0.00065249 |
| <i>ANKRD36</i> | 0.2956245 | 5.35E-08 | 0.00066167 |
| <i>TMEM191A</i> | 0.29546151 | 5.45E-08 | 0.00067316 |
| <i>TAF9B</i> | 0.29542886 | 5.47E-08 | 0.00067549 |
| <i>ALG1</i> | 0.29542483 | 5.47E-08 | 0.00067573 |
| <i>NCRNA0021</i> | 0.29521233 | 5.60E-08 | 0.00069125 |
| <i>MYEOV2</i> | 0.29512431 | 5.65E-08 | 0.00069767 |
| <i>ARL8A</i> | 0.29508009 | 5.68E-08 | 0.0007009 |
| <i>IBSP</i> | 0.29497239 | 5.74E-08 | 0.00070903 |
| <i>B3GALT6</i> | 0.29480932 | 5.84E-08 | 0.00072143 |
| <i>HIST1H1E</i> | 0.29466583 | 5.94E-08 | 0.00073232 |
| <i>DAGLB</i> | 0.2945512 | 6.01E-08 | 0.00074106 |
| <i>APEX2</i> | 0.2944471 | 6.08E-08 | 0.00074929 |
| <i>FCN3</i> | 0.29443227 | 6.09E-08 | 0.00075042 |
| <i>LY6G6C</i> | 0.29437162 | 6.13E-08 | 0.00075516 |
| <i>TSTA3</i> | 0.29425532 | 6.20E-08 | 0.00076454 |
| <i>TTC4</i> | 0.29422566 | 6.22E-08 | 0.00076692 |
| <i>PMFBP1</i> | 0.29412334 | 6.29E-08 | 0.00077522 |
| <i>UCK2</i> | 0.29395906 | 6.40E-08 | 0.00078877 |
| <i>WDR34</i> | 0.29389429 | 6.45E-08 | 0.00079408 |
| <i>TNPO1</i> | 0.29379169 | 6.52E-08 | 0.00080256 |
| <i>ACVR2B</i> | 0.29363896 | 6.63E-08 | 0.00081549 |
| <i>ZNF621</i> | 0.29352898 | 6.71E-08 | 0.00082504 |
| <i>EXOC4</i> | 0.29350671 | 6.72E-08 | 0.00082694 |
| <i>PDCD7</i> | 0.29344384 | 6.77E-08 | 0.00083247 |
| <i>ABCA11P</i> | 0.29322049 | 6.93E-08 | 0.00085236 |
| <i>ZNF567</i> | 0.29317931 | 6.96E-08 | 0.00085592 |
| <i>NCRNA0016</i> | 0.29310547 | 7.02E-08 | 0.00086251 |
| <i>FXC1</i> | 0.2929408 | 7.14E-08 | 0.00087742 |
| <i>RHCG</i> | 0.29290216 | 7.17E-08 | 0.00088091 |
| <i>CASC2</i> | 0.29272303 | 7.31E-08 | 0.00089766 |
| <i>KRTCAP2</i> | 0.29265138 | 7.37E-08 | 0.00090449 |
| <i>LOC285074</i> | 0.29248328 | 7.50E-08 | 0.00092058 |
| <i>LDHA</i> | 0.29231947 | 7.63E-08 | 0.00093653 |

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| <i>PPPDE1</i> | 0.29227737 | 7.67E-08 | 0.00094059 |
| <i>GRM8</i> | 0.2922314 | 7.71E-08 | 0.00094507 |
| <i>FOLR1</i> | 0.29209318 | 7.82E-08 | 0.00095848 |
| <i>PITX1</i> | 0.2920712 | 7.84E-08 | 0.0009605 |
| <i>BMS1</i> | 0.29206077 | 7.85E-08 | 0.00096141 |
| <i>PABPN1</i> | 0.29203442 | 7.87E-08 | 0.00096396 |
| <i>TSPO2</i> | 0.29194701 | 7.94E-08 | 0.00097275 |
| <i>UNG</i> | 0.29193372 | 7.96E-08 | 0.00097405 |
| <i>NUBP2</i> | 0.29191283 | 7.97E-08 | 0.00097606 |
| <i>GJB4</i> | 0.29179862 | 8.07E-08 | 0.00098785 |
| <i>SH2D2A</i> | 0.2917922 | 8.08E-08 | 0.00098844 |
| <i>PRSS33</i> | 0.2916904 | 8.16E-08 | 0.00099898 |
| <i>RPL31P11</i> | 0.29158084 | 8.26E-08 | 0.00101045 |
| <i>TCF19</i> | 0.29147545 | 8.35E-08 | 0.0010216 |
| <i>F2</i> | 0.2914754 | 8.35E-08 | 0.0010216 |
| <i>TTC8</i> | 0.29136671 | 8.45E-08 | 0.00103324 |
| <i>HIST1H2AH</i> | 0.29129002 | 8.52E-08 | 0.00104161 |
| <i>RPL18A</i> | 0.29091445 | 8.87E-08 | 0.00108358 |
| <i>MBLAC2</i> | 0.29082058 | 8.96E-08 | 0.00109435 |
| <i>ELF5</i> | 0.29072284 | 9.05E-08 | 0.0011054 |
| <i>SHISA2</i> | 0.29072016 | 9.05E-08 | 0.00110562 |
| <i>ZBTB11</i> | 0.29060864 | 9.16E-08 | 0.00111814 |
| <i>ZNF117</i> | 0.29038873 | 9.38E-08 | 0.00114405 |
| <i>KIAA1841</i> | 0.29030974 | 9.45E-08 | 0.00115319 |
| <i>GPR89C</i> | 0.29009859 | 9.67E-08 | 0.00117888 |
| <i>DBR1</i> | 0.29006624 | 9.70E-08 | 0.00118283 |
| <i>SMARCAD1</i> | 0.28999331 | 9.78E-08 | 0.00119179 |
| <i>USE1</i> | 0.28996429 | 9.81E-08 | 0.00119536 |
| <i>EFCAB3</i> | 0.28993392 | 9.84E-08 | 0.00119911 |
| <i>C16orf46</i> | 0.28983076 | 9.95E-08 | 0.00121197 |
| <i>PFN4</i> | 0.2898279 | 9.95E-08 | 0.00121223 |
| <i>MRPS2</i> | 0.28966699 | 1.01E-07 | 0.00123263 |
| <i>CKMT2</i> | 0.28957014 | 1.02E-07 | 0.0012449 |
| <i>KRTAP5-4</i> | 0.28955494 | 1.02E-07 | 0.0012468 |
| <i>MAGEA5</i> | 0.28954133 | 1.03E-07 | 0.00124849 |
| <i>DKK4</i> | 0.28953901 | 1.03E-07 | 0.00124869 |
| <i>ZNF84</i> | 0.28941379 | 1.04E-07 | 0.00126479 |
| <i>LOC730101</i> | 0.28928914 | 1.05E-07 | 0.00128102 |
| <i>BLCAP</i> | 0.28922494 | 1.06E-07 | 0.00128917 |
| <i>PARN</i> | 0.28915589 | 1.07E-07 | 0.0012984 |
| <i>SPZ1</i> | 0.28913758 | 1.07E-07 | 0.00130059 |
| <i>GOLGA6L1</i> | 0.28910637 | 1.07E-07 | 0.00130467 |
| <i>RNF149</i> | 0.28910486 | 1.07E-07 | 0.00130477 |
| <i>GPR35</i> | 0.28908913 | 1.08E-07 | 0.00130682 |
| <i>UNC119</i> | 0.28858137 | 1.13E-07 | 0.00137749 |
| <i>COMP</i> | 0.28849317 | 1.15E-07 | 0.00138988 |
| <i>BZW1</i> | 0.28840194 | 1.16E-07 | 0.00140305 |
| <i>C19orf52</i> | 0.28832618 | 1.17E-07 | 0.00141404 |
| <i>TIAL1</i> | 0.28832265 | 1.17E-07 | 0.00141445 |
| <i>MRPS9</i> | 0.28831987 | 1.17E-07 | 0.00141474 |
| <i>GZF1</i> | 0.28812605 | 1.19E-07 | 0.00144338 |

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| <i>PLAC4</i> | 0.28805945 | 1.20E-07 | 0.00145303 |
| <i>MMP1</i> | 0.28805497 | 1.20E-07 | 0.0014536 |
| <i>TPT1</i> | 0.28804012 | 1.20E-07 | 0.00145563 |
| <i>MME</i> | 0.2880119 | 1.20E-07 | 0.00145983 |
| <i>SP5</i> | 0.28782754 | 1.23E-07 | 0.00148811 |
| <i>ZNF444</i> | 0.28775752 | 1.24E-07 | 0.00149871 |
| <i>LEF1</i> | 0.28773512 | 1.24E-07 | 0.00150198 |
| <i>SLC30A2</i> | 0.28764387 | 1.25E-07 | 0.0015163 |
| <i>ANKRD13D</i> | 0.28758306 | 1.26E-07 | 0.00152562 |
| <i>TXN</i> | 0.28752326 | 1.27E-07 | 0.00153496 |
| <i>TBK1</i> | 0.28747701 | 1.27E-07 | 0.00154216 |
| <i>ZSCAN21</i> | 0.28747203 | 1.27E-07 | 0.00154284 |
| <i>KCNK9</i> | 0.28734704 | 1.29E-07 | 0.00156292 |
| <i>UBL5</i> | 0.2872703 | 1.30E-07 | 0.00157514 |
| <i>APOO</i> | 0.28723135 | 1.31E-07 | 0.00158131 |
| <i>MRPS22</i> | 0.28719453 | 1.31E-07 | 0.00158729 |
| <i>ATOX1</i> | 0.28714996 | 1.32E-07 | 0.00159458 |
| <i>CEP290</i> | 0.28692252 | 1.35E-07 | 0.0016323 |
| <i>AKAP11</i> | 0.28690018 | 1.35E-07 | 0.00163598 |
| <i>ZFR</i> | 0.28677166 | 1.37E-07 | 0.00165783 |
| <i>CYHR1</i> | 0.28661208 | 1.39E-07 | 0.00168528 |
| <i>FANCE</i> | 0.28655626 | 1.40E-07 | 0.00169499 |
| <i>ZMYND8</i> | 0.28648611 | 1.41E-07 | 0.00170717 |
| <i>POMGNT1</i> | 0.28635346 | 1.43E-07 | 0.00173039 |
| <i>SMAD5</i> | 0.28625412 | 1.45E-07 | 0.00174799 |
| <i>XRCC3</i> | 0.28622978 | 1.45E-07 | 0.00175228 |
| <i>FLJ45244</i> | 0.28621799 | 1.45E-07 | 0.00175429 |
| <i>BBS10</i> | 0.2860182 | 1.48E-07 | 0.00179047 |
| <i>FITM2</i> | 0.28601506 | 1.48E-07 | 0.00179091 |
| <i>MDC1</i> | 0.28591469 | 1.50E-07 | 0.00180928 |
| <i>BUD13</i> | 0.28581364 | 1.52E-07 | 0.00182796 |
| <i>DMRT1</i> | 0.28579358 | 1.52E-07 | 0.00183148 |
| <i>INO80B</i> | 0.28578759 | 1.52E-07 | 0.00183232 |
| <i>RPS12</i> | 0.28543613 | 1.58E-07 | 0.00189977 |
| <i>NOD1</i> | 0.28535888 | 1.59E-07 | 0.00191492 |
| <i>LRRN4</i> | 0.28524883 | 1.61E-07 | 0.00193663 |
| <i>SF3B4</i> | 0.28518027 | 1.62E-07 | 0.0019503 |
| <i>TTC9C</i> | 0.28515793 | 1.62E-07 | 0.00195451 |
| <i>DRD2</i> | 0.28508379 | 1.64E-07 | 0.00196945 |
| <i>FAM199X</i> | 0.28506755 | 1.64E-07 | 0.00197245 |
| <i>C2orf28</i> | 0.28502376 | 1.65E-07 | 0.00198127 |
| <i>TARS2</i> | 0.28471705 | 1.70E-07 | 0.00204413 |
| <i>PDIA4</i> | 0.28457892 | 1.72E-07 | 0.00207222 |
| <i>TMED4</i> | 0.2845383 | 1.73E-07 | 0.00208062 |
| <i>CENPT</i> | 0.28452601 | 1.73E-07 | 0.00208292 |
| <i>AADAT</i> | 0.28440164 | 1.76E-07 | 0.00210924 |
| <i>ACN9</i> | 0.28439807 | 1.76E-07 | 0.00210965 |
| <i>PTPRO</i> | 0.28436053 | 1.76E-07 | 0.00211734 |
| <i>LOH12CR1</i> | 0.28427444 | 1.78E-07 | 0.00213611 |
| <i>PLXNA1</i> | 0.28419178 | 1.79E-07 | 0.0021541 |
| <i>C5orf44</i> | 0.28408977 | 1.81E-07 | 0.00217659 |

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| <i>ZNF33B</i> | 0.28392977 | 1.84E-07 | 0.00221233 |
| <i>RAET1K</i> | 0.28379963 | 1.87E-07 | 0.0022421 |
| <i>C14orf101</i> | 0.2837582 | 1.88E-07 | 0.00225134 |
| <i>RLN1</i> | 0.28374155 | 1.88E-07 | 0.00225484 |
| <i>PISD</i> | 0.28353199 | 1.92E-07 | 0.00230376 |
| <i>ZNF35</i> | 0.28341568 | 1.94E-07 | 0.00233099 |
| <i>ZNF335</i> | 0.28330974 | 1.96E-07 | 0.0023562 |
| <i>ACACA</i> | 0.28289228 | 2.05E-07 | 0.0024581 |
| <i>C10orf55</i> | 0.28287841 | 2.05E-07 | 0.0024612 |
| <i>PLEK2</i> | 0.2828653 | 2.06E-07 | 0.00246432 |
| <i>ZNF317</i> | 0.282796 | 2.07E-07 | 0.00248134 |
| <i>AKR1C4</i> | 0.28262763 | 2.11E-07 | 0.00252363 |
| <i>ZRSR2</i> | 0.28261358 | 2.11E-07 | 0.00252707 |
| <i>OSTC</i> | 0.28261218 | 2.11E-07 | 0.00252722 |
| <i>ANGPT2</i> | 0.28259408 | 2.12E-07 | 0.0025315 |
| <i>ULK4</i> | 0.28257339 | 2.12E-07 | 0.00253668 |
| <i>AMOTL2</i> | 0.28253452 | 2.13E-07 | 0.00254641 |
| <i>TCEB2</i> | 0.28240784 | 2.16E-07 | 0.00257892 |
| <i>GRP</i> | 0.28235163 | 2.17E-07 | 0.00259363 |
| <i>DUSP27</i> | 0.28234602 | 2.17E-07 | 0.00259491 |
| <i>RANBP17</i> | 0.28232132 | 2.18E-07 | 0.00260128 |
| <i>BCL11A</i> | 0.28231379 | 2.18E-07 | 0.00260308 |
| <i>SC5DL</i> | 0.28224708 | 2.19E-07 | 0.00262053 |
| <i>ST13</i> | 0.28221694 | 2.20E-07 | 0.00262822 |
| <i>PPIF</i> | 0.28221353 | 2.20E-07 | 0.00262892 |
| <i>SMARCA4</i> | 0.28220298 | 2.20E-07 | 0.00263155 |
| <i>ORAOV1</i> | 0.28211851 | 2.22E-07 | 0.00265379 |
| <i>DCLRE1B</i> | 0.2819476 | 2.26E-07 | 0.00269937 |
| <i>TUBB3</i> | 0.28191592 | 2.27E-07 | 0.00270771 |
| <i>GEN1</i> | 0.28176514 | 2.30E-07 | 0.0027485 |
| <i>ZNF815</i> | 0.28176073 | 2.30E-07 | 0.00274928 |
| <i>RUNX1</i> | 0.28171094 | 2.32E-07 | 0.00276288 |
| <i>C10orf111</i> | 0.28170184 | 2.32E-07 | 0.00276523 |
| <i>RPLP0P2</i> | 0.28168986 | 2.32E-07 | 0.00276816 |
| <i>FKBP3</i> | 0.28163275 | 2.33E-07 | 0.00278393 |
| <i>MYBBP1A</i> | 0.28162093 | 2.34E-07 | 0.00278707 |
| <i>ISG20L2</i> | 0.28151876 | 2.36E-07 | 0.00281544 |
| <i>C12orf47</i> | 0.28149561 | 2.37E-07 | 0.00282188 |
| <i>NPHP1</i> | 0.281213 | 2.44E-07 | 0.00290272 |
| <i>THEM4</i> | 0.28119953 | 2.44E-07 | 0.00290647 |
| <i>CHI3L1</i> | 0.28109719 | 2.47E-07 | 0.00293679 |
| <i>PMCH</i> | 0.28089378 | 2.52E-07 | 0.00299645 |
| <i>SFXN3</i> | 0.28087645 | 2.52E-07 | 0.00300151 |
| <i>MTF2</i> | 0.28086221 | 2.53E-07 | 0.00300562 |
| <i>SPIN2B</i> | 0.28082547 | 2.54E-07 | 0.00301667 |
| <i>ANKRD36B</i> | 0.28080711 | 2.54E-07 | 0.00302207 |
| <i>NUP62</i> | 0.28057233 | 2.60E-07 | 0.00309353 |
| <i>LOC1001339</i> | 0.28055653 | 2.61E-07 | 0.00309826 |
| <i>DNAJC21</i> | 0.28030533 | 2.67E-07 | 0.00317782 |
| <i>INTS12</i> | 0.2801042 | 2.73E-07 | 0.00324196 |
| <i>PPOX</i> | 0.28009707 | 2.73E-07 | 0.00324404 |

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| <i>PODXL2</i> | 0.28006422 | 2.74E-07 | 0.00325436 |
| <i>UBIAD1</i> | 0.28000027 | 2.76E-07 | 0.00327505 |
| <i>TAS2R20</i> | 0.27999445 | 2.76E-07 | 0.00327672 |
| <i>PARG</i> | 0.2799538 | 2.77E-07 | 0.00329002 |
| <i>LOC1003024</i> | 0.27992688 | 2.78E-07 | 0.00329877 |
| <i>INSIG1</i> | 0.27982789 | 2.81E-07 | 0.00333103 |
| <i>NAF1</i> | 0.2797939 | 2.82E-07 | 0.003342 |
| <i>TNPO3</i> | 0.2797024 | 2.84E-07 | 0.00337238 |
| <i>ZNF714</i> | 0.27966325 | 2.85E-07 | 0.00338555 |
| <i>CORIN</i> | 0.27963623 | 2.86E-07 | 0.00339457 |
| <i>MAD1L1</i> | 0.27961095 | 2.87E-07 | 0.00340301 |
| <i>WDR18</i> | 0.27959236 | 2.87E-07 | 0.00340916 |
| <i>PTDSS2</i> | 0.27954552 | 2.89E-07 | 0.00342513 |
| <i>ZNF767</i> | 0.27947523 | 2.91E-07 | 0.00344909 |
| <i>OSBP2</i> | 0.27875271 | 3.13E-07 | 0.00370755 |
| <i>SNRNP40</i> | 0.27875231 | 3.13E-07 | 0.00370755 |
| <i>GPX1</i> | 0.27873831 | 3.13E-07 | 0.00371234 |
| <i>RPAIN</i> | 0.27863584 | 3.17E-07 | 0.0037501 |
| <i>GRAMD2</i> | 0.27859521 | 3.18E-07 | 0.00376492 |
| <i>ANKRD5</i> | 0.27859488 | 3.18E-07 | 0.00376492 |
| <i>GLT25D1</i> | 0.27855593 | 3.19E-07 | 0.00377928 |
| <i>ZNHIT1</i> | 0.27850227 | 3.21E-07 | 0.00379953 |
| <i>GSG2</i> | 0.27849115 | 3.21E-07 | 0.00380349 |
| <i>PABPC4</i> | 0.27825012 | 3.29E-07 | 0.00389666 |
| <i>DPP7</i> | 0.27824729 | 3.29E-07 | 0.00389745 |
| <i>NHLRC3</i> | 0.27788203 | 3.42E-07 | 0.00404049 |
| <i>MORC4</i> | 0.27782461 | 3.44E-07 | 0.00406294 |
| <i>ZBTB39</i> | 0.27770002 | 3.48E-07 | 0.00411293 |
| <i>CADPS</i> | 0.27766497 | 3.49E-07 | 0.00412715 |
| <i>NUS1</i> | 0.27748798 | 3.56E-07 | 0.00420001 |
| <i>ZNF260</i> | 0.27747807 | 3.56E-07 | 0.00420385 |
| <i>CALML3</i> | 0.27746178 | 3.57E-07 | 0.00421005 |
| <i>QPCT</i> | 0.2774447 | 3.57E-07 | 0.00421658 |
| <i>ODAM</i> | 0.27742219 | 3.58E-07 | 0.0042258 |
| <i>LOC144486</i> | 0.27741677 | 3.58E-07 | 0.00422775 |
| <i>FKBP14</i> | 0.2773988 | 3.59E-07 | 0.00423505 |
| <i>PNPLA1</i> | 0.27734408 | 3.61E-07 | 0.00425809 |
| <i>ARL6IP1</i> | 0.27721161 | 3.66E-07 | 0.00431453 |
| <i>MXD3</i> | 0.27699773 | 3.74E-07 | 0.00440614 |
| <i>C14orf1</i> | 0.27690296 | 3.77E-07 | 0.00444795 |
| <i>RAP1GDS1</i> | 0.27680168 | 3.81E-07 | 0.0044915 |
| <i>PI4K2B</i> | 0.27676383 | 3.83E-07 | 0.00450752 |
| <i>PAPD7</i> | 0.27670431 | 3.85E-07 | 0.0045334 |
| <i>COX16</i> | 0.27670021 | 3.85E-07 | 0.00453489 |
| <i>NROB2</i> | 0.27668979 | 3.85E-07 | 0.00453925 |
| <i>RBM12B</i> | 0.27653161 | 3.92E-07 | 0.00461036 |
| <i>PORCN</i> | 0.27632592 | 4.00E-07 | 0.0047049 |
| <i>ANKIB1</i> | 0.27598013 | 4.14E-07 | 0.00486918 |
| <i>MAP7</i> | 0.27592524 | 4.16E-07 | 0.0048956 |
| <i>DCTN5</i> | 0.27592025 | 4.16E-07 | 0.00489763 |
| <i>GHDC</i> | 0.2757996 | 4.21E-07 | 0.00495673 |

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| <i>KIAA0564</i> | 0.27579648 | 4.22E-07 | 0.00495785 |
| <i>C12orf5</i> | 0.27572399 | 4.25E-07 | 0.00499183 |
| <i>PRPS1L1</i> | 0.27569318 | 4.26E-07 | 0.00500597 |
| <i>DNAJC8</i> | 0.27546457 | 4.36E-07 | 0.00511998 |
| <i>LOC93622</i> | 0.27546406 | 4.36E-07 | 0.00511998 |
| <i>IAH1</i> | 0.27543517 | 4.37E-07 | 0.00513418 |
| <i>LRCH1</i> | 0.27542361 | 4.38E-07 | 0.00513968 |
| <i>EIF2B4</i> | 0.27539145 | 4.39E-07 | 0.00515534 |
| <i>THG1L</i> | 0.2752966 | 4.43E-07 | 0.0052031 |
| <i>CACNA1D</i> | 0.27527466 | 4.44E-07 | 0.00521407 |
| <i>HCRT</i> | 0.27521067 | 4.47E-07 | 0.00524616 |
| <i>MGC16142</i> | 0.27498357 | 4.57E-07 | 0.00536415 |
| <i>NCRNA0008</i> | 0.2749706 | 4.58E-07 | 0.00536972 |
| <i>SERPIND1</i> | 0.27494356 | 4.59E-07 | 0.00538377 |
| <i>RPS9</i> | 0.27489929 | 4.61E-07 | 0.00540667 |
| <i>LOC285401</i> | 0.27485274 | 4.63E-07 | 0.00543136 |
| <i>BRD9</i> | 0.27484811 | 4.63E-07 | 0.00543341 |
| <i>SURF6</i> | 0.27482773 | 4.64E-07 | 0.005444 |
| <i>ARHGAP33</i> | 0.27481085 | 4.65E-07 | 0.00545224 |
| <i>C7orf29</i> | 0.27481083 | 4.65E-07 | 0.00545224 |
| <i>C9orf169</i> | 0.27478469 | 4.66E-07 | 0.00546554 |
| <i>BMP7</i> | 0.27465915 | 4.72E-07 | 0.00553294 |
| <i>MRPL24</i> | 0.27460315 | 4.75E-07 | 0.00556247 |
| <i>FGGY</i> | 0.2745738 | 4.76E-07 | 0.00557828 |
| <i>MLH3</i> | 0.2745587 | 4.77E-07 | 0.0055862 |
| <i>SLC25A29</i> | 0.27454462 | 4.78E-07 | 0.00559356 |
| <i>TMCO6</i> | 0.27450585 | 4.80E-07 | 0.00561328 |
| <i>C2orf52</i> | 0.27436641 | 4.86E-07 | 0.0056898 |
| <i>PION</i> | 0.27431113 | 4.89E-07 | 0.00572021 |
| <i>PARP2</i> | 0.27420272 | 4.94E-07 | 0.00578173 |
| <i>SLC2A1</i> | 0.274031 | 5.03E-07 | 0.00588029 |
| <i>CXCL5</i> | 0.27383193 | 5.13E-07 | 0.00599518 |
| <i>CKLF</i> | 0.27373545 | 5.18E-07 | 0.0060503 |
| <i>CXorf42</i> | 0.27372448 | 5.18E-07 | 0.00605638 |
| <i>MTA1</i> | 0.27338281 | 5.36E-07 | 0.00626088 |
| <i>TMEM117</i> | 0.27328469 | 5.41E-07 | 0.00632098 |
| <i>KRT83</i> | 0.27322552 | 5.45E-07 | 0.00635761 |
| <i>FAM113A</i> | 0.27321878 | 5.45E-07 | 0.00636131 |
| <i>LRRC23</i> | 0.27316541 | 5.48E-07 | 0.00639393 |
| <i>DNM1L</i> | 0.27312148 | 5.50E-07 | 0.00642126 |
| <i>ZGPAT</i> | 0.27305816 | 5.54E-07 | 0.00645999 |
| <i>ALG10</i> | 0.27303893 | 5.55E-07 | 0.00647174 |
| <i>SCAMP3</i> | 0.27298943 | 5.57E-07 | 0.00650185 |
| <i>GNAS</i> | 0.27294279 | 5.60E-07 | 0.00653025 |
| <i>CDK13</i> | 0.27283089 | 5.66E-07 | 0.00660069 |
| <i>CDC26</i> | 0.27282612 | 5.67E-07 | 0.00660324 |
| <i>LOC146880</i> | 0.27282522 | 5.67E-07 | 0.00660326 |
| <i>CLDN12</i> | 0.27257614 | 5.81E-07 | 0.0067644 |
| <i>KHK</i> | 0.2725367 | 5.83E-07 | 0.00678965 |
| <i>C14orf106</i> | 0.27247072 | 5.87E-07 | 0.00683287 |
| <i>ZNF720</i> | 0.27244095 | 5.88E-07 | 0.0068524 |

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| <i>REPS1</i> | 0.27234681 | 5.94E-07 | 0.0069158 |
| <i>DIS3L2</i> | 0.27228283 | 5.98E-07 | 0.00695902 |
| <i>ABHD10</i> | 0.27220483 | 6.02E-07 | 0.00701219 |
| <i>DNAJB11</i> | 0.27202796 | 6.13E-07 | 0.0071313 |
| <i>LRRC69</i> | 0.27194952 | 6.18E-07 | 0.00718542 |
| <i>C20orf135</i> | 0.27177475 | 6.28E-07 | 0.00730646 |
| <i>NDE1</i> | 0.27169093 | 6.34E-07 | 0.00736639 |
| <i>MRPS16</i> | 0.27167233 | 6.35E-07 | 0.00737926 |
| <i>C3orf21</i> | 0.27166776 | 6.35E-07 | 0.00738194 |
| <i>GPI</i> | 0.27164091 | 6.37E-07 | 0.00740021 |
| <i>CYP24A1</i> | 0.27163426 | 6.37E-07 | 0.00740442 |
| <i>SETD4</i> | 0.2715691 | 6.41E-07 | 0.0074495 |
| <i>ADAMTS6</i> | 0.27150477 | 6.45E-07 | 0.00749551 |
| <i>LRRC46</i> | 0.27150191 | 6.46E-07 | 0.00749698 |
| <i>ETF1</i> | 0.27127973 | 6.60E-07 | 0.00766061 |
| <i>C2orf61</i> | 0.27126264 | 6.61E-07 | 0.00767283 |
| <i>KCNJ11</i> | 0.27123092 | 6.63E-07 | 0.00769547 |
| <i>ACSBG2</i> | 0.27111845 | 6.70E-07 | 0.00777695 |
| <i>SGTA</i> | 0.27096576 | 6.80E-07 | 0.00789174 |
| <i>LOC727677</i> | 0.27095313 | 6.81E-07 | 0.00790084 |
| <i>CXXC5</i> | 0.27090361 | 6.85E-07 | 0.00793729 |
| <i>CXCL11</i> | 0.27081698 | 6.91E-07 | 0.00800298 |
| <i>TLX1NB</i> | 0.27079068 | 6.92E-07 | 0.008022 |
| <i>KAL1</i> | 0.27075665 | 6.95E-07 | 0.00804564 |
| <i>MRRF</i> | 0.27070986 | 6.98E-07 | 0.00808195 |
| <i>RMI1</i> | 0.27068303 | 7.00E-07 | 0.00810254 |
| <i>WDSUB1</i> | 0.27059959 | 7.05E-07 | 0.00816558 |
| <i>SHARPIN</i> | 0.27053482 | 7.10E-07 | 0.00821403 |
| <i>CDK10</i> | 0.27048844 | 7.13E-07 | 0.00825002 |
| <i>IQCH</i> | 0.27031312 | 7.25E-07 | 0.00839003 |
| <i>RALGAPB</i> | 0.27030933 | 7.26E-07 | 0.00839097 |
| <i>CCNL1</i> | 0.27026191 | 7.29E-07 | 0.00842856 |
| <i>FAM70B</i> | 0.27018875 | 7.34E-07 | 0.00848693 |
| <i>ATG12</i> | 0.27014285 | 7.38E-07 | 0.0085244 |
| <i>C1orf27</i> | 0.27013117 | 7.39E-07 | 0.00853342 |
| <i>FZD3</i> | 0.26993231 | 7.53E-07 | 0.00869903 |
| <i>SCARNA5</i> | 0.26989248 | 7.56E-07 | 0.00873194 |
| <i>KIAA1712</i> | 0.26956213 | 7.81E-07 | 0.00901366 |
| <i>SERPINH1</i> | 0.26935345 | 7.97E-07 | 0.0091959 |
| <i>C10orf81</i> | 0.26930173 | 8.01E-07 | 0.0092408 |
| <i>CHCHD4</i> | 0.26921832 | 8.07E-07 | 0.00931546 |
| <i>ZNF639</i> | 0.26921116 | 8.08E-07 | 0.00932116 |
| <i>SPIN3</i> | 0.26920094 | 8.09E-07 | 0.00932964 |
| <i>WDR70</i> | 0.26914992 | 8.13E-07 | 0.00937371 |
| <i>RNASEN</i> | 0.26913968 | 8.14E-07 | 0.00938226 |
| <i>SNORA76</i> | 0.26912978 | 8.14E-07 | 0.0093905 |
| <i>TAF11</i> | 0.26912942 | 8.14E-07 | 0.0093905 |
| <i>GORASP2</i> | 0.26906452 | 8.20E-07 | 0.00944795 |
| <i>ABHD13</i> | 0.26894404 | 8.29E-07 | 0.00955782 |
| <i>ABI2</i> | 0.26888891 | 8.34E-07 | 0.00960844 |
| <i>AMBP</i> | 0.26888029 | 8.34E-07 | 0.00961567 |

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| <i>C20orf108</i> | 0.26886451 | 8.36E-07 | 0.00962878 |
| <i>SCRIB</i> | 0.26883106 | 8.38E-07 | 0.00965767 |
| <i>FAM131C</i> | 0.26881648 | 8.40E-07 | 0.00967055 |
| <i>YWHAQ</i> | 0.26880033 | 8.41E-07 | 0.00968492 |
| <i>MLKL</i> | 0.26873888 | 8.46E-07 | 0.00974132 |
| <i>PRMT5</i> | 0.26870189 | 8.49E-07 | 0.00977558 |
| <i>SFRS14</i> | 0.26869487 | 8.50E-07 | 0.00978141 |
| <i>TNFRSF6B</i> | 0.26851349 | 8.65E-07 | 0.00995202 |
| <i>LARP1</i> | 0.26847276 | 8.68E-07 | 0.00999064 |
| <i>KCNE3</i> | 0.26839271 | 8.75E-07 | 0.01006691 |
| <i>PRICKLE3</i> | 0.26837617 | 8.76E-07 | 0.01008223 |
| <i>NIPSNAP1</i> | 0.26819271 | 8.92E-07 | 0.01025724 |
| <i>TMEM52</i> | 0.26818412 | 8.93E-07 | 0.01026401 |
| <i>ABCC10</i> | 0.26816569 | 8.94E-07 | 0.0102806 |
| <i>LOC127841</i> | 0.26800846 | 9.08E-07 | 0.01043505 |
| <i>VPRBP</i> | 0.26799052 | 9.10E-07 | 0.01045232 |
| <i>C8orf39</i> | 0.26795643 | 9.13E-07 | 0.01048602 |
| <i>PPT1</i> | 0.26794874 | 9.13E-07 | 0.01049293 |
| <i>UFSP1</i> | 0.26783125 | 9.24E-07 | 0.01060947 |
| <i>TRAPPC2</i> | 0.26769865 | 9.36E-07 | 0.01074482 |
| <i>APITD1</i> | 0.26767434 | 9.38E-07 | 0.01076923 |
| <i>SETDB2</i> | 0.26761929 | 9.43E-07 | 0.0108221 |
| <i>CUL2</i> | 0.26761545 | 9.43E-07 | 0.01082518 |
| <i>GAD1</i> | 0.2676064 | 9.44E-07 | 0.01083372 |
| <i>KCNQ1OT1</i> | 0.26757909 | 9.47E-07 | 0.01086147 |
| <i>ZNF391</i> | 0.26747745 | 9.56E-07 | 0.01096488 |
| <i>SRPK2</i> | 0.26727287 | 9.75E-07 | 0.0111804 |
| <i>TLL2</i> | 0.26726446 | 9.76E-07 | 0.01118853 |
| <i>ZNF205</i> | 0.26721536 | 9.81E-07 | 0.01123983 |
| <i>KIAA1586</i> | 0.2672038 | 9.82E-07 | 0.01125141 |
| <i>KATNB1</i> | 0.26716537 | 9.85E-07 | 0.01129034 |
| <i>CPA4</i> | 0.26715411 | 9.87E-07 | 0.01130068 |
| <i>KCNH4</i> | 0.26707114 | 9.94E-07 | 0.01138969 |
| <i>CCDC64</i> | 0.26688101 | 1.01E-06 | 0.01159171 |
| <i>DEF8</i> | 0.26672318 | 1.03E-06 | 0.01176251 |
| <i>KIAA0196</i> | 0.26649637 | 1.05E-06 | 0.01201534 |
| <i>SNX10</i> | 0.26646521 | 1.05E-06 | 0.01204938 |
| <i>ZNF558</i> | 0.26639049 | 1.06E-06 | 0.01213437 |
| <i>PHTF2</i> | 0.26628013 | 1.07E-06 | 0.01226088 |
| <i>ACAD9</i> | 0.26624276 | 1.08E-06 | 0.01230186 |
| <i>SNAPC4</i> | 0.2661146 | 1.09E-06 | 0.01245027 |
| <i>INHBE</i> | 0.26601545 | 1.10E-06 | 0.01256746 |
| <i>MLF2</i> | 0.26587698 | 1.12E-06 | 0.01272932 |
| <i>C1orf131</i> | 0.26586742 | 1.12E-06 | 0.0127399 |
| <i>STAMBP</i> | 0.26578908 | 1.13E-06 | 0.01283512 |
| <i>WDR89</i> | 0.26575226 | 1.13E-06 | 0.01287951 |
| <i>PIGP</i> | 0.26573409 | 1.13E-06 | 0.01290089 |
| <i>ATL2</i> | 0.26566847 | 1.14E-06 | 0.01298137 |
| <i>SAP30</i> | 0.26558612 | 1.15E-06 | 0.0130822 |
| <i>KIF12</i> | 0.26552147 | 1.15E-06 | 0.01316255 |
| <i>PIWIL1</i> | 0.26542546 | 1.17E-06 | 0.01328213 |

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| <i>NCRNA0009</i> | 0.26539623 | 1.17E-06 | 0.01331711 |
| <i>ULBP2</i> | 0.26534416 | 1.17E-06 | 0.01338266 |
| <i>SCARNA2</i> | 0.2653262 | 1.18E-06 | 0.0134034 |
| <i>OTUB2</i> | 0.26527094 | 1.18E-06 | 0.01347347 |
| <i>CHD6</i> | 0.26518405 | 1.19E-06 | 0.01358267 |
| <i>TRAF2</i> | 0.26506171 | 1.21E-06 | 0.01374175 |
| <i>OCIAD2</i> | 0.26497728 | 1.22E-06 | 0.01385096 |
| <i>SERPINA10</i> | 0.2649479 | 1.22E-06 | 0.01388636 |
| <i>LCA5L</i> | 0.2648493 | 1.23E-06 | 0.01401568 |
| <i>PGAP2</i> | 0.26481397 | 1.24E-06 | 0.01406195 |
| <i>EDAR</i> | 0.26476789 | 1.24E-06 | 0.01412166 |
| <i>TCTEX1D2</i> | 0.26467604 | 1.25E-06 | 0.01424387 |
| <i>AGAP4</i> | 0.26451592 | 1.27E-06 | 0.01445996 |
| <i>SESN1</i> | 0.26447313 | 1.28E-06 | 0.01451799 |
| <i>ANKMY1</i> | 0.26443282 | 1.28E-06 | 0.01457278 |
| <i>DCPS</i> | 0.26431777 | 1.30E-06 | 0.01472877 |
| <i>TMEM14B</i> | 0.26428785 | 1.30E-06 | 0.01476964 |
| <i>CARS</i> | 0.26428506 | 1.30E-06 | 0.01477228 |
| <i>FUBP3</i> | 0.26427574 | 1.30E-06 | 0.01478414 |
| <i>DEPDC4</i> | 0.26412752 | 1.32E-06 | 0.01498705 |
| <i>SNRNP48</i> | 0.26409147 | 1.32E-06 | 0.01503608 |
| <i>LOC1001278</i> | 0.26405276 | 1.33E-06 | 0.01508909 |
| <i>COX17</i> | 0.26401472 | 1.33E-06 | 0.01513999 |
| <i>IER3</i> | 0.26397536 | 1.34E-06 | 0.01519564 |
| <i>KLC3</i> | 0.26394776 | 1.34E-06 | 0.01523438 |
| <i>ELOF1</i> | 0.26394258 | 1.34E-06 | 0.01524056 |
| <i>KPNB1</i> | 0.26389116 | 1.35E-06 | 0.01531417 |
| <i>RPL22L1</i> | 0.26383668 | 1.36E-06 | 0.01539126 |
| <i>ADSS</i> | 0.26382014 | 1.36E-06 | 0.0154142 |
| <i>POU4F1</i> | 0.26374991 | 1.37E-06 | 0.01551506 |
| <i>C2orf76</i> | 0.2637369 | 1.37E-06 | 0.01553157 |
| <i>C14orf156</i> | 0.26365561 | 1.38E-06 | 0.01565103 |
| <i>HKDC1</i> | 0.26363754 | 1.38E-06 | 0.01567662 |
| <i>KCNMB3</i> | 0.26357478 | 1.39E-06 | 0.01576928 |
| <i>RARS2</i> | 0.26352128 | 1.40E-06 | 0.01584846 |
| <i>PRTFDC1</i> | 0.26340158 | 1.41E-06 | 0.01602877 |
| <i>LOC1001305</i> | 0.26328003 | 1.43E-06 | 0.01621244 |
| <i>NUDC</i> | 0.26324771 | 1.43E-06 | 0.01625666 |
| <i>HOXB8</i> | 0.26305244 | 1.46E-06 | 0.01655266 |
| <i>RFWD2</i> | 0.26305111 | 1.46E-06 | 0.01655329 |
| <i>HDDC3</i> | 0.26292434 | 1.48E-06 | 0.01675101 |
| <i>CSNK1G2</i> | 0.26286945 | 1.49E-06 | 0.01683414 |
| <i>LOH3CR2A</i> | 0.26285953 | 1.49E-06 | 0.01684853 |
| <i>AKR1E2</i> | 0.26283988 | 1.49E-06 | 0.01687851 |
| <i>ZNF326</i> | 0.26263387 | 1.52E-06 | 0.01720892 |
| <i>INPP5E</i> | 0.26260267 | 1.53E-06 | 0.01725843 |
| <i>CYP2R1</i> | 0.26244567 | 1.55E-06 | 0.01751588 |
| <i>HSPB11</i> | 0.2624162 | 1.55E-06 | 0.01756181 |
| <i>FAM119B</i> | 0.26238901 | 1.56E-06 | 0.01760403 |
| <i>PUSL1</i> | 0.2622173 | 1.58E-06 | 0.01788817 |
| <i>MEPCE</i> | 0.26200722 | 1.61E-06 | 0.01823801 |

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| <i>L3MBTL</i> | 0.2619708 | 1.62E-06 | 0.01829938 |
| <i>HAX1</i> | 0.26186068 | 1.64E-06 | 0.01848453 |
| <i>GOLGA8G</i> | 0.26183417 | 1.64E-06 | 0.01852931 |
| <i>NHEDC2</i> | 0.2618203 | 1.64E-06 | 0.018552 |
| <i>PRR14</i> | 0.26178695 | 1.65E-06 | 0.01860898 |
| <i>COPS2</i> | 0.26178658 | 1.65E-06 | 0.01860898 |
| <i>CCDC22</i> | 0.26170537 | 1.66E-06 | 0.01874979 |
| <i>CTNNB1</i> | 0.26166268 | 1.67E-06 | 0.01882229 |
| <i>PAR6A</i> | 0.26158421 | 1.68E-06 | 0.01895907 |
| <i>C10orf75</i> | 0.26149065 | 1.70E-06 | 0.01912404 |
| <i>NUP88</i> | 0.26123251 | 1.74E-06 | 0.01958376 |
| <i>ZNF620</i> | 0.26113772 | 1.75E-06 | 0.01975446 |
| <i>CCDC90A</i> | 0.26106288 | 1.76E-06 | 0.01989088 |
| <i>HMGXB4</i> | 0.26105549 | 1.77E-06 | 0.01990298 |
| <i>RPN1</i> | 0.26101347 | 1.77E-06 | 0.01997846 |
| <i>EDNRA</i> | 0.26096668 | 1.78E-06 | 0.020065 |
| <i>PPIL4</i> | 0.26083052 | 1.80E-06 | 0.02031334 |
| <i>SYS1</i> | 0.26065768 | 1.83E-06 | 0.02063574 |
| <i>GSTO1</i> | 0.26052079 | 1.86E-06 | 0.02089778 |
| <i>FLVCR1</i> | 0.2602512 | 1.91E-06 | 0.02141536 |
| <i>RDH11</i> | 0.26007739 | 1.94E-06 | 0.02175637 |
| <i>PPAP2C</i> | 0.26005106 | 1.94E-06 | 0.0218083 |
| <i>AFP</i> | 0.25993449 | 1.96E-06 | 0.0220438 |
| <i>RB1CC1</i> | 0.25991284 | 1.97E-06 | 0.02208532 |
| <i>ST7OT3</i> | 0.2598564 | 1.98E-06 | 0.02220064 |
| <i>ZZZ3</i> | 0.25982007 | 1.98E-06 | 0.02227447 |
| <i>PRPF4B</i> | 0.25980141 | 1.99E-06 | 0.02231152 |
| <i>TMEM106B</i> | 0.25972747 | 2.00E-06 | 0.0224628 |
| <i>LLPH</i> | 0.25966573 | 2.01E-06 | 0.02258923 |
| <i>CDK12</i> | 0.25964563 | 2.02E-06 | 0.02262982 |
| <i>EEF1G</i> | 0.25964042 | 2.02E-06 | 0.02263483 |
| <i>UBD</i> | 0.25956696 | 2.03E-06 | 0.02278719 |
| <i>FOXS1</i> | 0.25955973 | 2.03E-06 | 0.02280059 |
| <i>MMP10</i> | 0.25953238 | 2.04E-06 | 0.02285505 |
| <i>TMED3</i> | 0.25952946 | 2.04E-06 | 0.02285927 |
| <i>ZNF133</i> | 0.25949175 | 2.05E-06 | 0.02293815 |
| <i>ZNF789</i> | 0.2594749 | 2.05E-06 | 0.02297233 |
| <i>HUS1</i> | 0.25945316 | 2.05E-06 | 0.02301508 |
| <i>USP42</i> | 0.25941614 | 2.06E-06 | 0.02309092 |
| <i>RBP2</i> | 0.25941367 | 2.06E-06 | 0.02309282 |
| <i>WBP11</i> | 0.25924375 | 2.09E-06 | 0.02345203 |
| <i>CARHSP1</i> | 0.25922642 | 2.10E-06 | 0.02348802 |
| <i>RAET1L</i> | 0.25917611 | 2.11E-06 | 0.02359466 |
| <i>POLR3A</i> | 0.25916403 | 2.11E-06 | 0.02361923 |
| <i>MPP4</i> | 0.25902209 | 2.14E-06 | 0.02392854 |
| <i>GRID2IP</i> | 0.25898236 | 2.15E-06 | 0.02401334 |
| <i>DFNB59</i> | 0.25887788 | 2.17E-06 | 0.0242447 |
| <i>TK1</i> | 0.25882133 | 2.18E-06 | 0.02436446 |
| <i>STC1</i> | 0.25878443 | 2.19E-06 | 0.02444643 |
| <i>ST3GAL2</i> | 0.25874076 | 2.19E-06 | 0.02454197 |
| <i>NQO2</i> | 0.2581515 | 2.32E-06 | 0.02589891 |

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| <i>FRS3</i> | 0.25813891 | 2.32E-06 | 0.025927 |
| <i>APCDD1</i> | 0.25801853 | 2.35E-06 | 0.0262147 |
| <i>DHPS</i> | 0.25800978 | 2.35E-06 | 0.02623137 |
| <i>DNAJB6</i> | 0.25794454 | 2.36E-06 | 0.02638886 |
| <i>TEX19</i> | 0.2579408 | 2.36E-06 | 0.02639567 |
| <i>RPA4</i> | 0.25792018 | 2.37E-06 | 0.02644405 |
| <i>TMEM138</i> | 0.25784052 | 2.39E-06 | 0.02663607 |
| <i>SNX16</i> | 0.25763431 | 2.43E-06 | 0.02713009 |
| <i>FBF1</i> | 0.25756848 | 2.45E-06 | 0.02728931 |
| <i>S100A3</i> | 0.25740883 | 2.48E-06 | 0.02768977 |
| <i>UBE2NL</i> | 0.25724713 | 2.52E-06 | 0.02810117 |
| <i>C19orf39</i> | 0.2569949 | 2.58E-06 | 0.02875631 |
| <i>IER5L</i> | 0.25698715 | 2.58E-06 | 0.02877439 |
| <i>QPRT</i> | 0.25692059 | 2.60E-06 | 0.02894733 |
| <i>KLHL23</i> | 0.25686644 | 2.61E-06 | 0.0290904 |
| <i>TRAPPC6A</i> | 0.25679283 | 2.63E-06 | 0.02928691 |
| <i>PRPF31</i> | 0.25679227 | 2.63E-06 | 0.02928691 |
| <i>NUP98</i> | 0.25677516 | 2.64E-06 | 0.02932965 |
| <i>ARRDC1</i> | 0.25674105 | 2.64E-06 | 0.02941526 |
| <i>OST4</i> | 0.25661023 | 2.68E-06 | 0.02975707 |
| <i>XAB2</i> | 0.25660034 | 2.68E-06 | 0.02978167 |
| <i>FAM71D</i> | 0.25657678 | 2.68E-06 | 0.02984401 |
| <i>PRH1</i> | 0.25657645 | 2.68E-06 | 0.02984401 |
| <i>PDCD6</i> | 0.25655348 | 2.69E-06 | 0.02990307 |
| <i>PAK6</i> | 0.25638739 | 2.73E-06 | 0.03035532 |
| <i>DEPDC1</i> | 0.25637297 | 2.74E-06 | 0.03039312 |
| <i>KIAA1826</i> | 0.25631715 | 2.75E-06 | 0.03054218 |
| <i>AMD1</i> | 0.25621959 | 2.77E-06 | 0.03079953 |
| <i>C14orf169</i> | 0.2562076 | 2.78E-06 | 0.03083093 |
| <i>CCDC53</i> | 0.25611061 | 2.80E-06 | 0.03110293 |
| <i>PPP5C</i> | 0.25610823 | 2.80E-06 | 0.03110698 |
| <i>FLJ44635</i> | 0.25609188 | 2.81E-06 | 0.03114839 |
| <i>BIRC7</i> | 0.25600461 | 2.83E-06 | 0.03139485 |
| <i>PLXNB1</i> | 0.25595686 | 2.84E-06 | 0.03152224 |
| <i>HEBP2</i> | 0.25588797 | 2.86E-06 | 0.03171482 |
| <i>LOC348926</i> | 0.25576812 | 2.89E-06 | 0.03205889 |
| <i>CITED1</i> | 0.25576643 | 2.89E-06 | 0.032061 |
| <i>RBCK1</i> | 0.25574697 | 2.90E-06 | 0.03211574 |
| <i>C9orf123</i> | 0.25570818 | 2.91E-06 | 0.03222797 |
| <i>CDKN2A</i> | 0.25559306 | 2.94E-06 | 0.03256902 |
| <i>NCRNA0018</i> | 0.25541739 | 2.99E-06 | 0.03309769 |
| <i>METTL2A</i> | 0.25533916 | 3.01E-06 | 0.03333406 |
| <i>MOSPD3</i> | 0.25529679 | 3.02E-06 | 0.03346137 |
| <i>STK25</i> | 0.25526118 | 3.03E-06 | 0.03356827 |
| <i>LOC1001348</i> | 0.25521918 | 3.04E-06 | 0.03369225 |
| <i>B3GALNT2</i> | 0.25519867 | 3.05E-06 | 0.03375286 |
| <i>KLF16</i> | 0.25517251 | 3.06E-06 | 0.03382812 |
| <i>PGRMC1</i> | 0.25512311 | 3.07E-06 | 0.03397002 |
| <i>SFRS12IP1</i> | 0.25511796 | 3.07E-06 | 0.03397998 |
| <i>DSG3</i> | 0.25509125 | 3.08E-06 | 0.0340605 |
| <i>HIST1H3J</i> | 0.25506278 | 3.09E-06 | 0.03414366 |

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| <i>ATAD3C</i> | 0.25501023 | 3.10E-06 | 0.03430603 |
| <i>GOT2</i> | 0.25463982 | 3.21E-06 | 0.0354588 |
| <i>THAP9</i> | 0.25458389 | 3.23E-06 | 0.03563495 |
| <i>ZNF100</i> | 0.25451633 | 3.25E-06 | 0.0358534 |
| <i>SLC25A22</i> | 0.25451396 | 3.25E-06 | 0.03585798 |
| <i>KLK8</i> | 0.25447829 | 3.26E-06 | 0.03596579 |
| <i>SLC25A33</i> | 0.25447288 | 3.26E-06 | 0.03598041 |
| <i>PPP1R2P3</i> | 0.25440864 | 3.28E-06 | 0.03618328 |
| <i>C12orf10</i> | 0.25437558 | 3.29E-06 | 0.03628991 |
| <i>MOGS</i> | 0.25434508 | 3.30E-06 | 0.03638831 |
| <i>DUT</i> | 0.25419332 | 3.34E-06 | 0.03688487 |
| <i>F2RL2</i> | 0.25410971 | 3.37E-06 | 0.03716526 |
| <i>FBXL13</i> | 0.25405266 | 3.39E-06 | 0.03734987 |
| <i>SMC3</i> | 0.25402575 | 3.39E-06 | 0.03743527 |
| <i>SLCO1B3</i> | 0.25398274 | 3.41E-06 | 0.03757622 |
| <i>FBXO44</i> | 0.25397453 | 3.41E-06 | 0.03760108 |
| <i>RQCD1</i> | 0.25396684 | 3.41E-06 | 0.03762416 |
| <i>C6orf126</i> | 0.25392075 | 3.43E-06 | 0.03776959 |
| <i>FBXO4</i> | 0.25384821 | 3.45E-06 | 0.03801781 |
| <i>UBN2</i> | 0.25369556 | 3.50E-06 | 0.03853511 |
| <i>MED14</i> | 0.25366655 | 3.51E-06 | 0.03862348 |
| <i>TMEM43</i> | 0.25356473 | 3.54E-06 | 0.03897771 |
| <i>C7orf63</i> | 0.25355668 | 3.54E-06 | 0.03900286 |
| <i>BTN2A3</i> | 0.25349934 | 3.56E-06 | 0.03920073 |
| <i>LOC283404</i> | 0.25341517 | 3.59E-06 | 0.03948909 |
| <i>KIAA1875</i> | 0.25336146 | 3.61E-06 | 0.03967253 |
| <i>RNF187</i> | 0.25328935 | 3.63E-06 | 0.03992743 |
| <i>VAC14</i> | 0.25309483 | 3.70E-06 | 0.04061691 |
| <i>TAF1C</i> | 0.25307143 | 3.70E-06 | 0.04070002 |
| <i>GTF2H3</i> | 0.25303273 | 3.72E-06 | 0.04084026 |
| <i>PBK</i> | 0.25298022 | 3.74E-06 | 0.04102887 |
| <i>RWDD4A</i> | 0.25288379 | 3.77E-06 | 0.04137619 |
| <i>AIDA</i> | 0.25274933 | 3.81E-06 | 0.0418635 |
| <i>ZNF782</i> | 0.25272701 | 3.82E-06 | 0.04194109 |
| <i>MNS1</i> | 0.25231984 | 3.97E-06 | 0.04349311 |
| <i>LY6E</i> | 0.25223495 | 4.00E-06 | 0.04382219 |
| <i>FAAH2</i> | 0.25223412 | 4.00E-06 | 0.04382219 |
| <i>ZFP62</i> | 0.25217638 | 4.02E-06 | 0.04404811 |
| <i>STT3A</i> | 0.25216104 | 4.02E-06 | 0.04410554 |
| <i>CEPT1</i> | 0.25214831 | 4.03E-06 | 0.04415257 |
| <i>BCLAF1</i> | 0.25214825 | 4.03E-06 | 0.04415257 |
| <i>BOLA3</i> | 0.25198672 | 4.09E-06 | 0.04478927 |
| <i>UBA5</i> | 0.25193622 | 4.11E-06 | 0.04498694 |
| <i>KIAA0664P3</i> | 0.2518974 | 4.12E-06 | 0.04514171 |
| <i>MACROD1</i> | 0.25189589 | 4.12E-06 | 0.04514376 |
| <i>ZNF828</i> | 0.25187125 | 4.13E-06 | 0.04524074 |
| <i>DPF2</i> | 0.25172836 | 4.19E-06 | 0.04581453 |
| <i>SHB</i> | 0.25172296 | 4.19E-06 | 0.04583278 |
| <i>NR1D1</i> | 0.25144266 | 4.30E-06 | 0.04698257 |
| <i>DMBX1</i> | 0.25138663 | 4.32E-06 | 0.04720874 |
| <i>SARS2</i> | 0.25138334 | 4.32E-06 | 0.04721323 |

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| <i>NAB1</i> | 0.25128937 | 4.36E-06 | 0.04760908 |
| <i>PCP2</i> | 0.2512647 | 4.37E-06 | 0.04771117 |
| <i>TSEN34</i> | 0.25117875 | 4.40E-06 | 0.04806192 |
| <i>ZNF816A</i> | 0.25111055 | 4.43E-06 | 0.04834623 |
| <i>C9orf68</i> | 0.25109143 | 4.43E-06 | 0.048419 |
| <i>SPC24</i> | 0.25098684 | 4.48E-06 | 0.04885906 |
| <i>PACSL1</i> | 0.25081072 | 4.55E-06 | 0.04961149 |
| <i>AKAP4</i> | 0.25076462 | 4.57E-06 | 0.04981405 |
| <i>UFD1L</i> | 0.25070482 | 4.59E-06 | 0.05007471 |
| <i>UFC1</i> | 0.25048503 | 4.68E-06 | 0.05104572 |
| <i>NMT1</i> | 0.25045887 | 4.70E-06 | 0.05116168 |
| <i>TMSB10</i> | 0.25042189 | 4.71E-06 | 0.05132799 |
| <i>C16orf93</i> | 0.25035074 | 4.74E-06 | 0.05164905 |
| <i>HPS4</i> | 0.25030278 | 4.76E-06 | 0.05185394 |
| <i>LAMP2</i> | 0.25028704 | 4.77E-06 | 0.05191806 |
| <i>CSTF2</i> | 0.25014435 | 4.83E-06 | 0.05258059 |
| <i>LOC1001303</i> | 0.24990333 | 4.94E-06 | 0.05371992 |
| <i>CEP152</i> | 0.24988314 | 4.95E-06 | 0.05380776 |
| <i>PHGDH</i> | 0.24981362 | 4.98E-06 | 0.05414059 |
| <i>RHBDF1</i> | 0.24977396 | 4.99E-06 | 0.05432421 |
| <i>ARVCF</i> | 0.24967871 | 5.04E-06 | 0.05478167 |
| <i>SLC35B1</i> | 0.24965366 | 5.05E-06 | 0.05489513 |
| <i>SP8</i> | 0.24960977 | 5.07E-06 | 0.05510718 |
| <i>NFU1</i> | 0.24960124 | 5.07E-06 | 0.05514439 |
| <i>NPM2</i> | 0.24959469 | 5.08E-06 | 0.05517181 |
| <i>MTCH2</i> | 0.24958314 | 5.08E-06 | 0.05522405 |
| <i>TCEAL4</i> | 0.24953733 | 5.10E-06 | 0.05544178 |
| <i>C19orf26</i> | 0.24944191 | 5.15E-06 | 0.05589361 |
| <i>TMEM55A</i> | 0.24930537 | 5.21E-06 | 0.05655737 |
| <i>FUCA2</i> | 0.24929877 | 5.21E-06 | 0.05658571 |
| <i>CDK5RAP3</i> | 0.24919761 | 5.26E-06 | 0.05708102 |
| <i>CLCN7</i> | 0.24907163 | 5.32E-06 | 0.05770874 |
| <i>HEPHL1</i> | 0.24904042 | 5.33E-06 | 0.05785459 |
| <i>BIN1</i> | 0.24903145 | 5.34E-06 | 0.05789583 |
| <i>LUZP6</i> | 0.24900109 | 5.35E-06 | 0.05804832 |
| <i>GIGYF1</i> | 0.24899759 | 5.36E-06 | 0.0580612 |
| <i>LOC220930</i> | 0.24893776 | 5.38E-06 | 0.05835742 |
| <i>HMGA2</i> | 0.24884469 | 5.43E-06 | 0.05882474 |
| <i>ACTR6</i> | 0.24870634 | 5.50E-06 | 0.05954209 |
| <i>MANF</i> | 0.24865115 | 5.52E-06 | 0.05982057 |
| <i>MATN3</i> | 0.24862317 | 5.54E-06 | 0.05996514 |
| <i>ASAP1</i> | 0.2485814 | 5.56E-06 | 0.06017872 |
| <i>HIST1H2AL</i> | 0.24854262 | 5.58E-06 | 0.06037684 |
| <i>M6PR</i> | 0.24852458 | 5.59E-06 | 0.06046327 |
| <i>MYEOV</i> | 0.24837863 | 5.66E-06 | 0.0612412 |
| <i>UBE2R2</i> | 0.24828412 | 5.71E-06 | 0.06174395 |
| <i>SPCS1</i> | 0.24808066 | 5.81E-06 | 0.06283064 |
| <i>PHOSPHO2</i> | 0.2479979 | 5.86E-06 | 0.06327932 |
| <i>CHAC1</i> | 0.24796864 | 5.87E-06 | 0.06343901 |
| <i>ZNF140</i> | 0.24784414 | 5.94E-06 | 0.06412436 |
| <i>RNASEH2C</i> | 0.24781825 | 5.95E-06 | 0.06426082 |

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|-------------------|------------|----------|------------|
| <i>NARG2</i> | 0.24775403 | 5.99E-06 | 0.06461821 |
| <i>AARSD1</i> | 0.24772229 | 6.00E-06 | 0.06479544 |
| <i>SMG7</i> | 0.24769205 | 6.02E-06 | 0.06495243 |
| <i>EPHB3</i> | 0.24764613 | 6.04E-06 | 0.06520688 |
| <i>ZNF749</i> | 0.24758502 | 6.08E-06 | 0.06553892 |
| <i>NDUFB11</i> | 0.24757295 | 6.08E-06 | 0.06560338 |
| <i>PTPN11</i> | 0.24751521 | 6.11E-06 | 0.0659358 |
| <i>STK38L</i> | 0.24739515 | 6.18E-06 | 0.06662651 |
| <i>SEH1L</i> | 0.24738821 | 6.18E-06 | 0.06666153 |
| <i>SULT1C2</i> | 0.24723209 | 6.27E-06 | 0.06756976 |
| <i>RAP2A</i> | 0.24722323 | 6.28E-06 | 0.06761053 |
| <i>MED19</i> | 0.24722011 | 6.28E-06 | 0.06762306 |
| <i>FAM86D</i> | 0.24715026 | 6.32E-06 | 0.06802586 |
| <i>EAF1</i> | 0.24714479 | 6.32E-06 | 0.06805267 |
| <i>DCTPP1</i> | 0.24712639 | 6.33E-06 | 0.06815521 |
| <i>AGBL5</i> | 0.24710514 | 6.34E-06 | 0.0682678 |
| <i>C1orf124</i> | 0.24709539 | 6.35E-06 | 0.06831439 |
| <i>RWDD2A</i> | 0.24704812 | 6.37E-06 | 0.06858952 |
| <i>AGAP7</i> | 0.24699091 | 6.41E-06 | 0.06892665 |
| <i>PGF</i> | 0.24689203 | 6.46E-06 | 0.06952241 |
| <i>LOC1001286</i> | 0.2467856 | 6.52E-06 | 0.07016365 |
| <i>ZC3H3</i> | 0.24673224 | 6.56E-06 | 0.07047739 |
| <i>TMEM18</i> | 0.24669508 | 6.58E-06 | 0.07070386 |
| <i>PHKA1</i> | 0.24655613 | 6.66E-06 | 0.07154834 |
| <i>EIF3CL</i> | 0.24652745 | 6.68E-06 | 0.07171739 |
| <i>MPP3</i> | 0.24651486 | 6.68E-06 | 0.07179092 |
| <i>ARIH2</i> | 0.2464729 | 6.71E-06 | 0.07205201 |
| <i>GJB3</i> | 0.24635188 | 6.78E-06 | 0.07281623 |
| <i>FKBP10</i> | 0.24630214 | 6.81E-06 | 0.07313141 |
| <i>PHF8</i> | 0.24621188 | 6.87E-06 | 0.0736984 |
| <i>RHBDL1</i> | 0.24619003 | 6.88E-06 | 0.07382058 |
| <i>YIF1A</i> | 0.2460916 | 6.94E-06 | 0.07444653 |
| <i>CHPF</i> | 0.24606051 | 6.96E-06 | 0.07464493 |
| <i>UCKL1AS</i> | 0.24586616 | 7.08E-06 | 0.07590528 |
| <i>CECR5</i> | 0.24571311 | 7.18E-06 | 0.07691153 |
| <i>GTF2IP1</i> | 0.24560276 | 7.25E-06 | 0.07764404 |
| <i>MFSD10</i> | 0.24552244 | 7.30E-06 | 0.07816808 |
| <i>DCAKD</i> | 0.24543953 | 7.35E-06 | 0.07872083 |
| <i>TBC1D16</i> | 0.24533398 | 7.42E-06 | 0.07942854 |
| <i>C16orf79</i> | 0.24527093 | 7.46E-06 | 0.07986455 |
| <i>PPP1R2</i> | 0.24524063 | 7.48E-06 | 0.08007102 |
| <i>GABRB1</i> | 0.24519898 | 7.51E-06 | 0.08035839 |
| <i>KRT6B</i> | 0.24519334 | 7.51E-06 | 0.08039093 |
| <i>SAFB</i> | 0.24508968 | 7.58E-06 | 0.08112206 |
| <i>ATXN2L</i> | 0.24507529 | 7.59E-06 | 0.08121751 |
| <i>C20orf7</i> | 0.24505971 | 7.60E-06 | 0.08131398 |
| <i>LOC148189</i> | 0.24494274 | 7.68E-06 | 0.0821187 |
| <i>C6orf62</i> | 0.24493082 | 7.69E-06 | 0.08219741 |
| <i>GPX4</i> | 0.24492426 | 7.69E-06 | 0.08223726 |
| <i>AFG3L1</i> | 0.24479621 | 7.78E-06 | 0.0831628 |
| <i>C1orf156</i> | 0.24467143 | 7.87E-06 | 0.08407412 |

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| <i>ADAM12</i> | 0.24461628 | 7.90E-06 | 0.08446755 |
| <i>PSENN</i> | 0.24454238 | 7.96E-06 | 0.08501093 |
| <i>INTU</i> | 0.24454128 | 7.96E-06 | 0.0850112 |
| <i>SART3</i> | 0.24448322 | 8.00E-06 | 0.08543064 |
| <i>CDKN1B</i> | 0.24448059 | 8.00E-06 | 0.08544244 |
| <i>FAM24B</i> | 0.24416534 | 8.22E-06 | 0.08781946 |
| <i>MYBL1</i> | 0.24416271 | 8.23E-06 | 0.08783159 |
| <i>SLC25A6</i> | 0.24409783 | 8.27E-06 | 0.08832241 |
| <i>TAF4B</i> | 0.24407521 | 8.29E-06 | 0.0884845 |
| <i>SFRS8</i> | 0.24380625 | 8.49E-06 | 0.09049682 |
| <i>ZNF480</i> | 0.24373874 | 8.54E-06 | 0.09100873 |
| <i>SPCS2</i> | 0.24373694 | 8.54E-06 | 0.09101463 |
| <i>MSL1</i> | 0.24354339 | 8.69E-06 | 0.09254626 |
| <i>NPRL2</i> | 0.243454 | 8.75E-06 | 0.09326519 |
| <i>NEK4</i> | 0.24333989 | 8.84E-06 | 0.09418433 |
| <i>CIT</i> | 0.24331563 | 8.86E-06 | 0.09434924 |
| <i>MYLK2</i> | 0.24325406 | 8.91E-06 | 0.0948146 |
| <i>TMCC1</i> | 0.24324318 | 8.92E-06 | 0.09489604 |
| <i>RIBC2</i> | 0.24323768 | 8.92E-06 | 0.09493279 |
| <i>DFFA</i> | 0.2431315 | 9.00E-06 | 0.09580996 |
| <i>CUEDC2</i> | 0.24310566 | 9.03E-06 | 0.0960178 |
| <i>RAB3IP</i> | 0.24302256 | 9.09E-06 | 0.09669997 |
| <i>SOX12</i> | 0.2430216 | 9.09E-06 | 0.09669997 |
| <i>FAM120C</i> | 0.24279578 | 9.27E-06 | 0.09857099 |
| <i>RAB6C</i> | 0.24273295 | 9.32E-06 | 0.09909477 |
| <i>CNIH3</i> | 0.24266115 | 9.38E-06 | 0.09968985 |
| <i>TCEAL1</i> | 0.2425517 | 9.47E-06 | 0.10062797 |
| <i>PALM2</i> | 0.24254129 | 9.48E-06 | 0.1007099 |
| <i>DNAJB1</i> | 0.24248665 | 9.53E-06 | 0.10116268 |
| <i>GPR160</i> | 0.24247275 | 9.54E-06 | 0.10127589 |
| <i>TNNC2</i> | 0.24234909 | 9.64E-06 | 0.10235475 |
| <i>MKRN2</i> | 0.24233377 | 9.65E-06 | 0.1024819 |
| <i>LOC144438</i> | 0.24219089 | 9.78E-06 | 0.10372709 |
| <i>ZNF37B</i> | 0.2421665 | 9.80E-06 | 0.10392816 |
| <i>NUBPL</i> | 0.24211383 | 9.84E-06 | 0.10438651 |
| <i>N6AMT1</i> | 0.2417559 | 1.02E-05 | 0.10765924 |
| <i>GATC</i> | 0.24143604 | 1.04E-05 | 0.11063155 |
| <i>DTWD1</i> | 0.24142221 | 1.05E-05 | 0.11075411 |
| <i>TBCB</i> | 0.24139264 | 1.05E-05 | 0.11100741 |
| <i>RIBC1</i> | 0.2413019 | 1.06E-05 | 0.11183259 |
| <i>FRMD5</i> | 0.24126329 | 1.06E-05 | 0.11218675 |
| <i>MRPL21</i> | 0.2412167 | 1.06E-05 | 0.1126307 |
| <i>SLC4A11</i> | 0.2411827 | 1.07E-05 | 0.11295276 |
| <i>VGLL1</i> | 0.24116456 | 1.07E-05 | 0.11311992 |
| <i>C19orf43</i> | 0.24107603 | 1.08E-05 | 0.11394881 |
| <i>GFM1</i> | 0.2410229 | 1.08E-05 | 0.1144642 |
| <i>GOLGA8C</i> | 0.24095118 | 1.09E-05 | 0.11516712 |
| <i>RPLP1</i> | 0.24089165 | 1.09E-05 | 0.11575189 |
| <i>APIP</i> | 0.24085966 | 1.10E-05 | 0.11606221 |
| <i>RPL3</i> | 0.24073099 | 1.11E-05 | 0.11729626 |
| <i>ASB3</i> | 0.24057696 | 1.12E-05 | 0.11883699 |

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|-------------------|------------|----------|------------|
| <i>ZP2</i> | 0.24055527 | 1.13E-05 | 0.11903771 |
| <i>LOC151162</i> | 0.24052383 | 1.13E-05 | 0.11935066 |
| <i>MYH16</i> | 0.24051338 | 1.13E-05 | 0.11943916 |
| <i>LOC1002867</i> | 0.24040054 | 1.14E-05 | 0.12058448 |
| <i>NCRNA00114</i> | 0.2402537 | 1.16E-05 | 0.12204381 |
| <i>ZNF697</i> | 0.24011484 | 1.17E-05 | 0.12345807 |
| <i>KCNQ1</i> | 0.2399847 | 1.18E-05 | 0.12481758 |
| <i>HIST1H4D</i> | 0.23998294 | 1.18E-05 | 0.12482465 |
| <i>GOLGA6L9</i> | 0.23993338 | 1.19E-05 | 0.12534786 |
| <i>WISP1</i> | 0.23985751 | 1.20E-05 | 0.12614713 |
| <i>SUN3</i> | 0.23979893 | 1.20E-05 | 0.12674998 |
| <i>ZNF766</i> | 0.23966733 | 1.22E-05 | 0.12818424 |
| <i>ZNF721</i> | 0.23962056 | 1.22E-05 | 0.12867748 |
| <i>BLOC1S3</i> | 0.23958516 | 1.23E-05 | 0.12905841 |
| <i>ZNF32</i> | 0.23958278 | 1.23E-05 | 0.12907255 |
| <i>MRPL33</i> | 0.23941641 | 1.24E-05 | 0.13089825 |
| <i>C6orf108</i> | 0.23935952 | 1.25E-05 | 0.13152842 |
| <i>MAP6D1</i> | 0.23929922 | 1.26E-05 | 0.13217507 |
| <i>SPNS2</i> | 0.23895178 | 1.29E-05 | 0.13605435 |
| <i>KDM2B</i> | 0.23894595 | 1.29E-05 | 0.13610954 |
| <i>USP40</i> | 0.23882608 | 1.31E-05 | 0.13750527 |
| <i>DSC3</i> | 0.23868947 | 1.32E-05 | 0.13906138 |
| <i>ZFP41</i> | 0.23867568 | 1.32E-05 | 0.13921287 |
| <i>C16orf58</i> | 0.23862433 | 1.33E-05 | 0.13980101 |
| <i>POM121C</i> | 0.23860166 | 1.33E-05 | 0.14005991 |
| <i>TSGA10</i> | 0.23855855 | 1.34E-05 | 0.14053873 |
| <i>TDRD3</i> | 0.23852338 | 1.34E-05 | 0.14094987 |
| <i>GALNT11</i> | 0.23847433 | 1.35E-05 | 0.14151703 |
| <i>WNT8B</i> | 0.23846378 | 1.35E-05 | 0.14161823 |
| <i>ZNF674</i> | 0.23845306 | 1.35E-05 | 0.14173489 |
| <i>CANX</i> | 0.23839571 | 1.36E-05 | 0.14241997 |
| <i>NCOA6</i> | 0.23831623 | 1.37E-05 | 0.14337969 |
| <i>MOGAT1</i> | 0.23821931 | 1.38E-05 | 0.14456146 |
| <i>NARF</i> | 0.23821447 | 1.38E-05 | 0.14460763 |
| <i>CA5BP</i> | 0.23799877 | 1.40E-05 | 0.14724676 |
| <i>BGN</i> | 0.23799198 | 1.40E-05 | 0.14731822 |
| <i>C9orf72</i> | 0.23798993 | 1.41E-05 | 0.14733005 |
| <i>NEDD8</i> | 0.23787413 | 1.42E-05 | 0.14872587 |
| <i>CACNG4</i> | 0.23777137 | 1.43E-05 | 0.15002417 |
| <i>TRIP6</i> | 0.23746384 | 1.47E-05 | 0.15387106 |
| <i>HSP90B3P</i> | 0.23734094 | 1.49E-05 | 0.15544909 |
| <i>ANKRD19</i> | 0.23725019 | 1.50E-05 | 0.15661234 |
| <i>DKFZp686O2</i> | 0.23715507 | 1.51E-05 | 0.15785779 |
| <i>DNAJA2</i> | 0.23704336 | 1.52E-05 | 0.15930712 |
| <i>DCAF10</i> | 0.23688319 | 1.54E-05 | 0.16140317 |
| <i>STX2</i> | 0.2367339 | 1.56E-05 | 0.16338937 |
| <i>LOC284900</i> | 0.23672625 | 1.57E-05 | 0.16348009 |
| <i>ZDHHC8P1</i> | 0.23670983 | 1.57E-05 | 0.16369304 |
| <i>CLUAP1</i> | 0.23668842 | 1.57E-05 | 0.16397586 |
| <i>GNL1</i> | 0.23667341 | 1.57E-05 | 0.16416969 |
| <i>LARP7</i> | 0.23653938 | 1.59E-05 | 0.16597796 |

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| <i>RPL13A</i> | 0.23650384 | 1.59E-05 | 0.16644295 |
| <i>C21orf29</i> | 0.23634254 | 1.62E-05 | 0.16872413 |
| <i>NCRNA0010</i> | 0.23633949 | 1.62E-05 | 0.16875173 |
| <i>WDR69</i> | 0.23633622 | 1.62E-05 | 0.16878242 |
| <i>GSDMC</i> | 0.23633219 | 1.62E-05 | 0.16882405 |
| <i>MEIG1</i> | 0.23626775 | 1.63E-05 | 0.16971814 |
| <i>SIX1</i> | 0.23621082 | 1.64E-05 | 0.17049162 |
| <i>LRRIQ3</i> | 0.23617293 | 1.64E-05 | 0.1710081 |
| <i>INTS2</i> | 0.23611936 | 1.65E-05 | 0.17177108 |
| <i>CCDC120</i> | 0.23602006 | 1.66E-05 | 0.17314157 |
| <i>PRR22</i> | 0.23598699 | 1.67E-05 | 0.17361134 |
| <i>SFRS18</i> | 0.2359567 | 1.67E-05 | 0.17402454 |
| <i>LRRC37B</i> | 0.23594029 | 1.67E-05 | 0.17425017 |
| <i>ADCK5</i> | 0.23590745 | 1.68E-05 | 0.17471943 |
| <i>NME6</i> | 0.23579402 | 1.69E-05 | 0.17633989 |
| <i>MTMR1</i> | 0.23577894 | 1.70E-05 | 0.17653153 |
| <i>DLEU2L</i> | 0.23567145 | 1.71E-05 | 0.17812956 |
| <i>C11orf83</i> | 0.23566551 | 1.71E-05 | 0.1782021 |
| <i>TFCP2</i> | 0.23566433 | 1.71E-05 | 0.1782021 |
| <i>BMI1</i> | 0.23562225 | 1.72E-05 | 0.17880466 |
| <i>ING5</i> | 0.2355805 | 1.72E-05 | 0.17940347 |
| <i>DLL3</i> | 0.23546184 | 1.74E-05 | 0.1811625 |
| <i>AHSA2</i> | 0.23546019 | 1.74E-05 | 0.18117031 |
| <i>NME7</i> | 0.23532038 | 1.76E-05 | 0.18329081 |
| <i>SCARNA16</i> | 0.23529218 | 1.77E-05 | 0.18362248 |
| <i>EWSR1</i> | 0.23523497 | 1.78E-05 | 0.1844919 |
| <i>FLJ35776</i> | 0.2351612 | 1.79E-05 | 0.18559574 |
| <i>APOC2</i> | 0.23515712 | 1.79E-05 | 0.1856419 |
| <i>IKBKAP</i> | 0.23513224 | 1.79E-05 | 0.18599683 |
| <i>AGAP8</i> | 0.23512715 | 1.79E-05 | 0.18605902 |
| <i>PIPOX</i> | 0.2350938 | 1.80E-05 | 0.1865301 |
| <i>MC3R</i> | 0.23506375 | 1.80E-05 | 0.1869863 |
| <i>STAU2</i> | 0.23500365 | 1.81E-05 | 0.18790186 |
| <i>C17orf77</i> | 0.23495017 | 1.82E-05 | 0.18873424 |
| <i>DUSP5P</i> | 0.23493996 | 1.82E-05 | 0.18886063 |
| <i>CTNNA1</i> | 0.23482664 | 1.84E-05 | 0.19062098 |
| <i>DNAH12</i> | 0.23481146 | 1.84E-05 | 0.19084691 |
| <i>RP1</i> | 0.23472679 | 1.85E-05 | 0.19217813 |
| <i>ELMO2</i> | 0.23471854 | 1.86E-05 | 0.19229334 |
| <i>PPP4C</i> | 0.234654 | 1.87E-05 | 0.19330577 |
| <i>C21orf58</i> | 0.23464934 | 1.87E-05 | 0.19336311 |
| <i>C16orf52</i> | 0.23462508 | 1.87E-05 | 0.19374044 |
| <i>TSSK6</i> | 0.23461474 | 1.87E-05 | 0.19389066 |
| <i>ALG11</i> | 0.23449299 | 1.89E-05 | 0.19587201 |
| <i>C20orf96</i> | 0.23448073 | 1.89E-05 | 0.1960177 |
| <i>NCOA7</i> | 0.23429785 | 1.92E-05 | 0.19896482 |
| <i>PIK3R2</i> | 0.23415568 | 1.95E-05 | 0.20132122 |
| <i>MED25</i> | 0.23413419 | 1.95E-05 | 0.20166626 |
| <i>MTMR6</i> | 0.23412209 | 1.95E-05 | 0.20185204 |
| <i>FASN</i> | 0.23411271 | 1.95E-05 | 0.2019919 |
| <i>LMOD3</i> | 0.23403855 | 1.96E-05 | 0.20319709 |

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| <i>NCRNA0017</i> | 0.23397526 | 1.98E-05 | 0.20422229 |
| <i>NCBP1</i> | 0.23368426 | 2.02E-05 | 0.20921712 |
| <i>CYCS</i> | 0.2336704 | 2.03E-05 | 0.20944039 |
| <i>C8orf73</i> | 0.23364989 | 2.03E-05 | 0.20976077 |
| <i>RPL23AP7</i> | 0.23358469 | 2.04E-05 | 0.21087134 |
| <i>KIAA0114</i> | 0.2335651 | 2.04E-05 | 0.21119801 |
| <i>WDR61</i> | 0.23354819 | 2.05E-05 | 0.21145697 |
| <i>ME1</i> | 0.23333204 | 2.08E-05 | 0.21526369 |
| <i>PCIF1</i> | 0.23322329 | 2.10E-05 | 0.21712996 |
| <i>TSNAX</i> | 0.23317338 | 2.11E-05 | 0.21799761 |
| <i>MAGED2</i> | 0.23312631 | 2.12E-05 | 0.21881658 |
| <i>TMED2</i> | 0.23310012 | 2.13E-05 | 0.2192334 |
| <i>HERPUD2</i> | 0.23300401 | 2.14E-05 | 0.22096225 |
| <i>CYP4F8</i> | 0.2328433 | 2.17E-05 | 0.22386778 |
| <i>EXOG</i> | 0.23277965 | 2.18E-05 | 0.22504106 |
| <i>AXIN1</i> | 0.23271141 | 2.20E-05 | 0.22630719 |
| <i>GNGT1</i> | 0.23265925 | 2.21E-05 | 0.22724311 |
| <i>LPGAT1</i> | 0.23258022 | 2.22E-05 | 0.2286474 |
| <i>LOC284798</i> | 0.23250224 | 2.23E-05 | 0.23005262 |
| <i>BAAT</i> | 0.23246688 | 2.24E-05 | 0.23068835 |
| <i>PPWD1</i> | 0.23241924 | 2.25E-05 | 0.23156306 |
| <i>SNORD17</i> | 0.23236873 | 2.26E-05 | 0.23249674 |
| <i>SMC6</i> | 0.23220941 | 2.29E-05 | 0.23556324 |
| <i>RAB3D</i> | 0.23212313 | 2.31E-05 | 0.23721858 |
| <i>OGG1</i> | 0.23209543 | 2.31E-05 | 0.23774423 |
| <i>FNDC8</i> | 0.23208777 | 2.31E-05 | 0.23787299 |
| <i>ADAMTSL2</i> | 0.23206453 | 2.32E-05 | 0.23831121 |
| <i>ZNF30</i> | 0.23198125 | 2.33E-05 | 0.23994825 |
| <i>GCDH</i> | 0.23197711 | 2.33E-05 | 0.2400076 |
| <i>ADPGK</i> | 0.23197395 | 2.34E-05 | 0.2400476 |
| <i>ARHGAP11B</i> | 0.2317727 | 2.37E-05 | 0.24403511 |
| <i>PRKRIR</i> | 0.23172709 | 2.38E-05 | 0.24491586 |
| <i>ZNF526</i> | 0.2316853 | 2.39E-05 | 0.24574555 |
| <i>KHDRBS3</i> | 0.23155849 | 2.42E-05 | 0.24832865 |
| <i>SH3YL1</i> | 0.23154842 | 2.42E-05 | 0.24851259 |
| <i>WNT7B</i> | 0.23154546 | 2.42E-05 | 0.2485495 |
| <i>B4GALT2</i> | 0.23153563 | 2.42E-05 | 0.24872861 |
| <i>ZNF830</i> | 0.23148263 | 2.43E-05 | 0.24973018 |
| <i>HNRNPH3</i> | 0.23145517 | 2.44E-05 | 0.2502768 |
| <i>PEX16</i> | 0.23142133 | 2.45E-05 | 0.25090878 |
| <i>NRM</i> | 0.23128913 | 2.47E-05 | 0.25363158 |
| <i>GXYLT1</i> | 0.2312697 | 2.48E-05 | 0.25399185 |
| <i>HNRPLL</i> | 0.23121464 | 2.49E-05 | 0.25510664 |
| <i>DUSP18</i> | 0.23120863 | 2.49E-05 | 0.25520915 |
| <i>ENO1</i> | 0.23113372 | 2.50E-05 | 0.25675203 |
| <i>ZNF69</i> | 0.23111291 | 2.51E-05 | 0.25717099 |
| <i>CLSPN</i> | 0.23100284 | 2.53E-05 | 0.25950609 |
| <i>C12orf70</i> | 0.23085248 | 2.56E-05 | 0.26263549 |
| <i>WNT11</i> | 0.23081456 | 2.57E-05 | 0.26341143 |
| <i>NUP153</i> | 0.23077589 | 2.58E-05 | 0.26423145 |
| <i>COX7A2L</i> | 0.23077286 | 2.58E-05 | 0.26424638 |

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| <i>FTSJD2</i> | 0.23065921 | 2.60E-05 | 0.26666916 |
| <i>C14orf166</i> | 0.23064073 | 2.61E-05 | 0.26702569 |
| <i>LOC1001909</i> | 0.23062008 | 2.61E-05 | 0.2674568 |
| <i>RNF39</i> | 0.23038922 | 2.66E-05 | 0.27248596 |
| <i>ATP6AP2</i> | 0.23037045 | 2.67E-05 | 0.27288287 |
| <i>SYAP1</i> | 0.23029241 | 2.69E-05 | 0.27454336 |
| <i>ENTPD6</i> | 0.23020057 | 2.71E-05 | 0.27655572 |
| <i>CYP51A1</i> | 0.23004474 | 2.74E-05 | 0.28005928 |
| <i>PRSS41</i> | 0.23003997 | 2.74E-05 | 0.28014229 |
| <i>ZSWIM3</i> | 0.23002652 | 2.74E-05 | 0.28042657 |
| <i>C1orf159</i> | 0.23000099 | 2.75E-05 | 0.28099111 |
| <i>WFDC13</i> | 0.22994435 | 2.76E-05 | 0.28222628 |
| <i>RNF128</i> | 0.22956844 | 2.85E-05 | 0.29080627 |
| <i>ZFP30</i> | 0.22949532 | 2.87E-05 | 0.29245024 |
| <i>HSP90B1</i> | 0.22942076 | 2.89E-05 | 0.29419548 |
| <i>RBBP4</i> | 0.2293102 | 2.91E-05 | 0.29680029 |
| <i>SLC37A3</i> | 0.2293071 | 2.91E-05 | 0.29684682 |
| <i>ASCC3</i> | 0.22928341 | 2.92E-05 | 0.29733916 |
| <i>HABP4</i> | 0.22925545 | 2.93E-05 | 0.29799552 |
| <i>SLC2A4RG</i> | 0.22921978 | 2.93E-05 | 0.29881338 |
| <i>CLUU1OS</i> | 0.22914843 | 2.95E-05 | 0.30051475 |
| <i>LRRC2</i> | 0.22909292 | 2.96E-05 | 0.30183151 |
| <i>MMP13</i> | 0.22903935 | 2.98E-05 | 0.30307557 |
| <i>PNP</i> | 0.22889847 | 3.01E-05 | 0.30645718 |
| <i>EGOT</i> | 0.2288981 | 3.01E-05 | 0.30645718 |
| <i>ALKBH8</i> | 0.22886151 | 3.02E-05 | 0.30732953 |
| <i>DUSP11</i> | 0.22881823 | 3.03E-05 | 0.3083339 |
| <i>PSMD5</i> | 0.22880503 | 3.04E-05 | 0.30863806 |
| <i>KLK7</i> | 0.22877818 | 3.04E-05 | 0.30928963 |
| <i>SLCO5A1</i> | 0.22868307 | 3.07E-05 | 0.31165469 |
| <i>SCCPDH</i> | 0.22865862 | 3.07E-05 | 0.31225037 |
| <i>MKLN1</i> | 0.22848757 | 3.12E-05 | 0.31657322 |
| <i>LOC400794</i> | 0.22833605 | 3.15E-05 | 0.32037539 |
| <i>CP110</i> | 0.22822851 | 3.18E-05 | 0.32302205 |
| <i>EIF4A1</i> | 0.22820166 | 3.19E-05 | 0.32363821 |
| <i>CCDC74B</i> | 0.22815363 | 3.20E-05 | 0.32488275 |
| <i>UBR5</i> | 0.22804705 | 3.23E-05 | 0.32766733 |
| <i>STT3B</i> | 0.22804137 | 3.23E-05 | 0.32778753 |
| <i>RBM42</i> | 0.22803943 | 3.23E-05 | 0.32780743 |
| <i>TIGD5</i> | 0.22799764 | 3.24E-05 | 0.32883402 |
| <i>GYG2</i> | 0.22798694 | 3.25E-05 | 0.32905715 |
| <i>YY2</i> | 0.22780507 | 3.30E-05 | 0.33386095 |
| <i>MDS2</i> | 0.22772733 | 3.32E-05 | 0.33592475 |
| <i>LOC654342</i> | 0.22767602 | 3.33E-05 | 0.33723739 |
| <i>SUPT16H</i> | 0.22736864 | 3.41E-05 | 0.34553155 |
| <i>SYBU</i> | 0.227363 | 3.42E-05 | 0.34563361 |
| <i>DNAH6</i> | 0.22736049 | 3.42E-05 | 0.34567044 |
| <i>RMRP</i> | 0.22727988 | 3.44E-05 | 0.34784967 |
| <i>CLUU1</i> | 0.22724151 | 3.45E-05 | 0.34890632 |
| <i>C6orf130</i> | 0.2271052 | 3.49E-05 | 0.35266911 |
| <i>TACSTD2</i> | 0.22705256 | 3.50E-05 | 0.35411634 |

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| <i>C9orf78</i> | 0.22701685 | 3.51E-05 | 0.35507873 |
| <i>VGF</i> | 0.22693564 | 3.54E-05 | 0.35736647 |
| <i>ZDHHC16</i> | 0.226872 | 3.56E-05 | 0.35915382 |
| <i>FOKK1</i> | 0.22679334 | 3.58E-05 | 0.36139111 |
| <i>GPR111</i> | 0.22677764 | 3.58E-05 | 0.36181773 |
| <i>PLEKHG5</i> | 0.22677156 | 3.59E-05 | 0.36196114 |
| <i>GDF11</i> | 0.2267194 | 3.60E-05 | 0.36343002 |
| <i>NUP188</i> | 0.22656274 | 3.65E-05 | 0.36787528 |
| <i>RNGTT</i> | 0.22646049 | 3.68E-05 | 0.37087462 |
| <i>ZNF75D</i> | 0.22645553 | 3.68E-05 | 0.37098739 |
| <i>GZMB</i> | 0.22638121 | 3.70E-05 | 0.37319947 |
| <i>ZC3H18</i> | 0.22624116 | 3.74E-05 | 0.37728488 |
| <i>GLT8D1</i> | 0.22620531 | 3.75E-05 | 0.37831011 |
| <i>BHLHE40</i> | 0.2261869 | 3.76E-05 | 0.37883889 |
| <i>SLC1A4</i> | 0.225934 | 3.84E-05 | 0.3862756 |
| <i>SYN3</i> | 0.22592064 | 3.84E-05 | 0.38664059 |
| <i>RPL13P5</i> | 0.22584507 | 3.87E-05 | 0.38891792 |
| <i>FDPS</i> | 0.22568075 | 3.92E-05 | 0.39397752 |
| <i>FAM57A</i> | 0.22560339 | 3.94E-05 | 0.39641594 |
| <i>ZNF517</i> | 0.22550307 | 3.97E-05 | 0.39953098 |
| <i>HTATSF1</i> | 0.22547647 | 3.98E-05 | 0.40035273 |
| <i>WDR60</i> | 0.22536459 | 4.02E-05 | 0.40395534 |
| <i>ASB6</i> | 0.22535699 | 4.02E-05 | 0.40416349 |
| <i>TADA2A</i> | 0.22532639 | 4.03E-05 | 0.40512555 |
| <i>NBPF15</i> | 0.22524427 | 4.06E-05 | 0.40770446 |
| <i>SOX1</i> | 0.22515943 | 4.09E-05 | 0.41042979 |
| <i>PROX1</i> | 0.22508401 | 4.11E-05 | 0.41285773 |
| <i>ZCCHC17</i> | 0.22494054 | 4.16E-05 | 0.41763064 |
| <i>NOL3</i> | 0.22490146 | 4.17E-05 | 0.4189091 |
| <i>KLF7</i> | 0.22486913 | 4.18E-05 | 0.41996274 |
| <i>CPXM1</i> | 0.22482738 | 4.20E-05 | 0.42129678 |
| <i>FAM41C</i> | 0.22462007 | 4.27E-05 | 0.42826304 |
| <i>P4HTM</i> | 0.22454522 | 4.29E-05 | 0.43074107 |
| <i>RIOK2</i> | 0.22453571 | 4.30E-05 | 0.43102862 |
| <i>KIAA1804</i> | 0.22443356 | 4.33E-05 | 0.43446284 |
| <i>MAP7D2</i> | 0.22442997 | 4.33E-05 | 0.43454507 |
| <i>KIF27</i> | 0.22441549 | 4.34E-05 | 0.43500909 |
| <i>THAP5</i> | 0.22429145 | 4.38E-05 | 0.43933463 |
| <i>CLK2P</i> | 0.22425466 | 4.40E-05 | 0.44050657 |
| <i>ZNF174</i> | 0.22423737 | 4.40E-05 | 0.44107636 |
| <i>LOC440925</i> | 0.22423723 | 4.40E-05 | 0.44107636 |
| <i>SIAH1</i> | 0.22415436 | 4.43E-05 | 0.44367961 |
| <i>WBP11P1</i> | 0.22414703 | 4.43E-05 | 0.44389708 |
| <i>ARPC3</i> | 0.22406422 | 4.46E-05 | 0.44682047 |
| <i>SPATA7</i> | 0.22403785 | 4.47E-05 | 0.44768023 |
| <i>ESCO2</i> | 0.22384744 | 4.54E-05 | 0.45445205 |
| <i>ANP32A</i> | 0.22384109 | 4.54E-05 | 0.45463859 |
| <i>KIF26B</i> | 0.22382184 | 4.55E-05 | 0.45529715 |
| <i>SNRNP25</i> | 0.22378836 | 4.56E-05 | 0.45647815 |
| <i>USP7</i> | 0.22374321 | 4.58E-05 | 0.45795406 |
| <i>SNHG5</i> | 0.22374285 | 4.58E-05 | 0.45795406 |

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| <i>WWC1</i> | 0.2234733 | 4.68E-05 | 0.46766023 |
| <i>NOD2</i> | 0.22346631 | 4.68E-05 | 0.46787576 |
| <i>SETDB1</i> | 0.22346328 | 4.68E-05 | 0.46794292 |
| <i>TBX15</i> | 0.22339651 | 4.71E-05 | 0.47040946 |
| <i>C14orf181</i> | 0.2233422 | 4.73E-05 | 0.47236861 |
| <i>NCRNA00009</i> | 0.22332714 | 4.74E-05 | 0.47279717 |
| <i>ANKS3</i> | 0.22330184 | 4.75E-05 | 0.47366259 |
| <i>HIST3H2A</i> | 0.22319801 | 4.79E-05 | 0.47747835 |
| <i>FAM123B</i> | 0.22316397 | 4.80E-05 | 0.47859058 |
| <i>HBXIP</i> | 0.2231534 | 4.80E-05 | 0.47894814 |
| <i>ZPBP</i> | 0.22314305 | 4.81E-05 | 0.47929763 |
| <i>CPSF2</i> | 0.22299405 | 4.86E-05 | 0.48500378 |
| <i>ZNF792</i> | 0.22298458 | 4.87E-05 | 0.48532329 |
| <i>PRELID1</i> | 0.22297982 | 4.87E-05 | 0.48545966 |
| <i>FLJ37201</i> | 0.22290029 | 4.90E-05 | 0.48836425 |
| <i>BBS5</i> | 0.22284546 | 4.92E-05 | 0.49041363 |
| <i>CHML</i> | 0.22271242 | 4.98E-05 | 0.4955613 |
| <i>LOC1001293</i> | 0.22263909 | 5.00E-05 | 0.49827556 |
| <i>C21orf99</i> | 0.22253411 | 5.05E-05 | 0.50237356 |
| <i>CREG1</i> | 0.22251195 | 5.06E-05 | 0.50321303 |
| <i>NELF</i> | 0.2224193 | 5.09E-05 | 0.5069006 |
| <i>DUSP10</i> | 0.22235373 | 5.12E-05 | 0.50942041 |
| <i>NOX1</i> | 0.22218547 | 5.19E-05 | 0.51608809 |
| <i>UBE3C</i> | 0.22214107 | 5.21E-05 | 0.51781523 |
| <i>C6orf115</i> | 0.22211563 | 5.22E-05 | 0.51876263 |
| <i>INTS1</i> | 0.221989 | 5.27E-05 | 0.52381643 |
| <i>EYA1</i> | 0.22189268 | 5.31E-05 | 0.52764037 |
| <i>LIF</i> | 0.22187352 | 5.32E-05 | 0.52839333 |
| <i>CFDP1</i> | 0.22178465 | 5.36E-05 | 0.53203984 |
| <i>C14orf174</i> | 0.22173717 | 5.38E-05 | 0.53400163 |
| <i>LOC728743</i> | 0.22150104 | 5.48E-05 | 0.54374756 |
| <i>ROBO2</i> | 0.22148164 | 5.49E-05 | 0.54453229 |
| <i>ABCB7</i> | 0.22147454 | 5.49E-05 | 0.54478508 |
| <i>PPBP</i> | 0.22147112 | 5.49E-05 | 0.54487801 |
| <i>KIAA1797</i> | 0.22145518 | 5.50E-05 | 0.54551415 |
| <i>POLR2J4</i> | 0.22145134 | 5.50E-05 | 0.54562586 |
| <i>FADS1</i> | 0.2214141 | 5.52E-05 | 0.54718864 |
| <i>ARFGEF2</i> | 0.2212193 | 5.60E-05 | 0.55522123 |
| <i>C10orf62</i> | 0.22095061 | 5.72E-05 | 0.56684857 |
| <i>SLC38A3</i> | 0.22091925 | 5.74E-05 | 0.56808856 |
| <i>TMEM158</i> | 0.22089045 | 5.75E-05 | 0.5692728 |
| <i>FAU</i> | 0.22087739 | 5.76E-05 | 0.56980511 |
| <i>ZNF584</i> | 0.22083161 | 5.78E-05 | 0.57176197 |
| <i>ZMYM1</i> | 0.22058103 | 5.89E-05 | 0.58299411 |
| <i>FBXO43</i> | 0.22054761 | 5.91E-05 | 0.58436203 |
| <i>CINP</i> | 0.22045158 | 5.96E-05 | 0.58864345 |
| <i>VPS26A</i> | 0.22031612 | 6.02E-05 | 0.59474661 |
| <i>FAM58B</i> | 0.22028385 | 6.04E-05 | 0.59620668 |
| <i>PCSK4</i> | 0.22024627 | 6.05E-05 | 0.59786038 |
| <i>RDH10</i> | 0.2202453 | 6.05E-05 | 0.59786038 |
| <i>MTERFD3</i> | 0.22024521 | 6.05E-05 | 0.59786038 |

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| <i>C3orf34</i> | 0.22022523 | 6.06E-05 | 0.59867401 |
| <i>LMLN</i> | 0.22021158 | 6.07E-05 | 0.59925986 |
| <i>AMZ2P1</i> | 0.22013744 | 6.11E-05 | 0.60259967 |
| <i>RNF182</i> | 0.21988052 | 6.23E-05 | 0.61445696 |
| <i>TMEM85</i> | 0.21978895 | 6.28E-05 | 0.61872629 |
| <i>FKBP9L</i> | 0.21958996 | 6.38E-05 | 0.62832417 |
| <i>RAD51L3</i> | 0.21955682 | 6.39E-05 | 0.62984014 |
| <i>LTB4R</i> | 0.2195405 | 6.40E-05 | 0.63058683 |
| <i>MYBPHL</i> | 0.21947699 | 6.43E-05 | 0.63368704 |
| <i>HULC</i> | 0.21934715 | 6.50E-05 | 0.64007288 |
| <i>CNTD1</i> | 0.21928726 | 6.53E-05 | 0.64296823 |
| <i>ZNF502</i> | 0.21909407 | 6.63E-05 | 0.65262044 |
| <i>FGF20</i> | 0.21903346 | 6.66E-05 | 0.65560641 |
| <i>CDKL3</i> | 0.21899496 | 6.68E-05 | 0.65746071 |
| <i>MAMSTR</i> | 0.21899464 | 6.68E-05 | 0.65746071 |
| <i>MCRS1</i> | 0.21896673 | 6.70E-05 | 0.65865382 |
| <i>SERINC3</i> | 0.21885373 | 6.76E-05 | 0.66419274 |
| <i>DLX3</i> | 0.21884391 | 6.76E-05 | 0.66461433 |
| <i>NEURL2</i> | 0.21882123 | 6.77E-05 | 0.66568789 |
| <i>WIF1</i> | 0.21876458 | 6.80E-05 | 0.66852138 |
| <i>RRH</i> | 0.21857012 | 6.91E-05 | 0.67846157 |
| <i>STAG3L4</i> | 0.21849973 | 6.95E-05 | 0.6821498 |
| <i>CCDC57</i> | 0.21845959 | 6.97E-05 | 0.68416192 |
| <i>LIPT2</i> | 0.21844771 | 6.97E-05 | 0.68473 |
| <i>PLXNA3</i> | 0.21833202 | 7.04E-05 | 0.69068927 |
| <i>NUP210</i> | 0.2181316 | 7.15E-05 | 0.70112183 |
| <i>SNORD94</i> | 0.21812117 | 7.16E-05 | 0.70162314 |
| <i>DNAH5</i> | 0.21791884 | 7.27E-05 | 0.71217098 |
| <i>KIAA1407</i> | 0.21790343 | 7.28E-05 | 0.71295763 |
| <i>PINX1</i> | 0.21773763 | 7.37E-05 | 0.72189477 |
| <i>HIGD2B</i> | 0.21772676 | 7.38E-05 | 0.72237576 |
| <i>CLEC5A</i> | 0.21771436 | 7.39E-05 | 0.72298764 |
| <i>USP1</i> | 0.21762984 | 7.44E-05 | 0.72763101 |
| <i>TMEM79</i> | 0.21755404 | 7.48E-05 | 0.73180334 |
| <i>ENPP5</i> | 0.21743063 | 7.55E-05 | 0.73866418 |
| <i>PLCB4</i> | 0.2174207 | 7.56E-05 | 0.73908581 |
| <i>ARPM1</i> | 0.21733228 | 7.61E-05 | 0.74390016 |
| <i>PIGT</i> | 0.21732161 | 7.62E-05 | 0.74444354 |
| <i>TMEM192</i> | 0.21727093 | 7.65E-05 | 0.74731653 |
| <i>CABYR</i> | 0.2172014 | 7.69E-05 | 0.75122701 |
| <i>C16orf48</i> | 0.21718693 | 7.70E-05 | 0.7519985 |
| <i>FOXRED2</i> | 0.21716775 | 7.71E-05 | 0.75304708 |
| <i>LRRC34</i> | 0.21716302 | 7.71E-05 | 0.75324778 |
| <i>PRDX5</i> | 0.21680527 | 7.93E-05 | 0.77398393 |
| <i>MRPL23</i> | 0.21680491 | 7.93E-05 | 0.77398393 |
| <i>RBM8A</i> | 0.21679865 | 7.93E-05 | 0.77422439 |
| <i>SKAP1</i> | 0.21676834 | 7.95E-05 | 0.77581485 |
| <i>KCNN4</i> | 0.21673933 | 7.97E-05 | 0.77740891 |
| <i>H19</i> | 0.21653567 | 8.10E-05 | 0.78941831 |
| <i>RSRC2</i> | 0.21646369 | 8.14E-05 | 0.79376701 |
| <i>ST7OT1</i> | 0.21642404 | 8.17E-05 | 0.79613531 |

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| <i>MRPS5</i> | 0.21635192 | 8.21E-05 | 0.80028062 |
| <i>GAPDH</i> | 0.21634162 | 8.22E-05 | 0.80083902 |
| <i>PDE6D</i> | 0.21627556 | 8.26E-05 | 0.80487615 |
| <i>C21orf70</i> | 0.21623509 | 8.29E-05 | 0.80724407 |
| <i>EIF3C</i> | 0.21621688 | 8.30E-05 | 0.80830309 |
| <i>SEC14L4</i> | 0.21606933 | 8.40E-05 | 0.81736132 |
| <i>IFT74</i> | 0.21605875 | 8.40E-05 | 0.81794827 |
| <i>UMODL1</i> | 0.21601983 | 8.43E-05 | 0.82033725 |
| <i>SEMA3A</i> | 0.21601273 | 8.43E-05 | 0.82070516 |
| <i>GCAT</i> | 0.2158933 | 8.51E-05 | 0.8279157 |
| <i>FGB</i> | 0.21580077 | 8.57E-05 | 0.83361713 |
| <i>BDP1</i> | 0.21576443 | 8.60E-05 | 0.83588224 |
| <i>FARP1</i> | 0.21567543 | 8.66E-05 | 0.84157816 |
| <i>C7orf42</i> | 0.21558534 | 8.72E-05 | 0.84738177 |
| <i>NCRNA0012</i> | 0.21556512 | 8.73E-05 | 0.84862224 |
| <i>DDX41</i> | 0.2154457 | 8.81E-05 | 0.85614866 |
| <i>C3P1</i> | 0.21536387 | 8.87E-05 | 0.86149597 |
| <i>TAF7</i> | 0.21532859 | 8.89E-05 | 0.86367157 |
| <i>MRFAP1L1</i> | 0.21531024 | 8.90E-05 | 0.86471986 |
| <i>DNPEP</i> | 0.21516776 | 9.00E-05 | 0.87357491 |
| <i>RPF1</i> | 0.21516314 | 9.01E-05 | 0.87379702 |
| <i>CCDC82</i> | 0.21512289 | 9.03E-05 | 0.87642805 |
| <i>ZNF275</i> | 0.21507718 | 9.07E-05 | 0.87934623 |
| <i>LYZL2</i> | 0.2149576 | 9.15E-05 | 0.88732001 |
| <i>C14orf149</i> | 0.21495221 | 9.15E-05 | 0.88759775 |
| <i>FOXK2</i> | 0.21492482 | 9.17E-05 | 0.88938484 |
| <i>CG030</i> | 0.21484132 | 9.23E-05 | 0.89504121 |
| <i>ANO6</i> | 0.21475988 | 9.29E-05 | 0.90040294 |
| <i>C10orf41</i> | 0.21475388 | 9.30E-05 | 0.90072654 |
| <i>ENO3</i> | 0.2145717 | 9.43E-05 | 0.913182 |
| <i>ZFP90</i> | 0.21442616 | 9.53E-05 | 0.92281485 |
| <i>ZKSCAN5</i> | 0.21439534 | 9.56E-05 | 0.92490674 |
| <i>BRMS1L</i> | 0.21436128 | 9.58E-05 | 0.92723961 |
| <i>HSPA1B</i> | 0.21434165 | 9.60E-05 | 0.92854538 |
| <i>PAPOLA</i> | 0.214333 | 9.60E-05 | 0.92906755 |
| <i>SENP5</i> | 0.21431346 | 9.62E-05 | 0.93036999 |
| <i>AIFM1</i> | 0.21420387 | 9.70E-05 | 0.93805403 |
| <i>KLHL29</i> | 0.21417075 | 9.72E-05 | 0.94025216 |
| <i>GUCY1B2</i> | 0.21413537 | 9.75E-05 | 0.94271677 |
| <i>CDK6</i> | 0.21392386 | 9.91E-05 | 0.95767203 |
| <i>RBM45</i> | 0.21391149 | 9.92E-05 | 0.95848318 |
| <i>HTRA2</i> | 0.21380663 | 1.00E-04 | 0.96603296 |
| <i>TAS2R5</i> | 0.21364656 | 0.00010122 | 0.97777234 |
| <i>RPSAP52</i> | 0.21353108 | 0.00010212 | 0.98606369 |
| <i>C17orf71</i> | 0.2134222 | 0.00010298 | 0.99373908 |
| <i>IL17RB</i> | 0.21326426 | 0.00010423 | 1 |
| <i>KCP</i> | 0.21317552 | 0.00010494 | 1 |
| <i>MAP3K7</i> | 0.21314019 | 0.00010522 | 1 |
| <i>NDUFC2</i> | 0.21274029 | 0.00010849 | 1 |
| <i>KLK10</i> | 0.21264252 | 0.0001093 | 1 |
| <i>MST1</i> | 0.21261992 | 0.00010949 | 1 |

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| <i>C1orf198</i> | 0.21259036 | 0.00010974 | 1 |
| <i>TMEM48</i> | 0.21232364 | 0.000112 | 1 |
| <i>CCDC24</i> | 0.21228886 | 0.00011229 | 1 |
| <i>PIGF</i> | 0.21227227 | 0.00011244 | 1 |
| <i>ATOH7</i> | 0.21226292 | 0.00011252 | 1 |
| <i>KRTCAP3</i> | 0.21223502 | 0.00011276 | 1 |
| <i>WDR19</i> | 0.21221459 | 0.00011293 | 1 |
| <i>ACRC</i> | 0.2121709 | 0.00011331 | 1 |
| <i>RAB11FIP2</i> | 0.21210884 | 0.00011385 | 1 |
| <i>C19orf10</i> | 0.21208754 | 0.00011403 | 1 |
| <i>RNF208</i> | 0.21191472 | 0.00011554 | 1 |
| <i>RDH16</i> | 0.21183291 | 0.00011626 | 1 |
| <i>NCLN</i> | 0.21179807 | 0.00011657 | 1 |
| <i>TMPRSS5</i> | 0.21173837 | 0.0001171 | 1 |
| <i>PSORS1C2</i> | 0.21168115 | 0.00011761 | 1 |
| <i>FSD1L</i> | 0.21164757 | 0.00011791 | 1 |
| <i>SFRS17A</i> | 0.21162185 | 0.00011814 | 1 |
| <i>ZAR1L</i> | 0.21148634 | 0.00011937 | 1 |
| <i>TTC1</i> | 0.21128279 | 0.00012122 | 1 |
| <i>HAS2AS</i> | 0.21128253 | 0.00012123 | 1 |
| <i>C10orf4</i> | 0.21127665 | 0.00012128 | 1 |
| <i>TIMM8B</i> | 0.21123355 | 0.00012168 | 1 |
| <i>LAMP1</i> | 0.21123159 | 0.0001217 | 1 |
| <i>XYLB</i> | 0.21117071 | 0.00012226 | 1 |
| <i>CRNKL1</i> | 0.21116088 | 0.00012235 | 1 |
| <i>TTC17</i> | 0.21101328 | 0.00012373 | 1 |
| <i>H3F3A</i> | 0.21096226 | 0.00012421 | 1 |
| <i>FAM189B</i> | 0.21094997 | 0.00012432 | 1 |
| <i>MMP20</i> | 0.21094152 | 0.0001244 | 1 |
| <i>ANKRA2</i> | 0.21091001 | 0.0001247 | 1 |
| <i>MED20</i> | 0.21080363 | 0.00012571 | 1 |
| <i>ALKBH3</i> | 0.21079435 | 0.0001258 | 1 |
| <i>C6orf222</i> | 0.21072361 | 0.00012647 | 1 |
| <i>RSPH10B2</i> | 0.21071971 | 0.00012651 | 1 |
| <i>DDX54</i> | 0.21071282 | 0.00012658 | 1 |
| <i>LETMD1</i> | 0.21064318 | 0.00012724 | 1 |
| <i>BPHL</i> | 0.21060901 | 0.00012757 | 1 |
| <i>GCM1</i> | 0.21057891 | 0.00012786 | 1 |
| <i>ARL6</i> | 0.21052381 | 0.0001284 | 1 |
| <i>TRIM2</i> | 0.21047858 | 0.00012884 | 1 |
| <i>HUNK</i> | 0.21038703 | 0.00012973 | 1 |
| <i>UBTD1</i> | 0.21033753 | 0.00013022 | 1 |
| <i>DCTN4</i> | 0.21031948 | 0.0001304 | 1 |
| <i>ZNF777</i> | 0.21027244 | 0.00013086 | 1 |
| <i>NDUFS5</i> | 0.21027187 | 0.00013087 | 1 |
| <i>AP3M1</i> | 0.21026185 | 0.00013097 | 1 |
| <i>ATF6B</i> | 0.21024992 | 0.00013108 | 1 |
| <i>IMPAD1</i> | 0.21010894 | 0.00013249 | 1 |
| <i>C1orf104</i> | 0.21010394 | 0.00013254 | 1 |
| <i>PPP1R8</i> | 0.2099696 | 0.00013389 | 1 |
| <i>RNF170</i> | 0.20993776 | 0.00013421 | 1 |

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| <i>ANKLE2</i> | 0.20988699 | 0.00013472 | 1 |
| <i>HNRNPAB</i> | 0.20978749 | 0.00013574 | 1 |
| <i>TM4SF19</i> | 0.2097383 | 0.00013624 | 1 |
| <i>GIF</i> | 0.20973778 | 0.00013625 | 1 |
| <i>TP73</i> | 0.20972469 | 0.00013638 | 1 |
| <i>ABHD12</i> | 0.20963121 | 0.00013734 | 1 |
| <i>MCFD2</i> | 0.20955756 | 0.00013811 | 1 |
| <i>HS6ST2</i> | 0.20932938 | 0.0001405 | 1 |
| <i>NEB</i> | 0.20932133 | 0.00014058 | 1 |
| <i>UPK2</i> | 0.20928078 | 0.00014101 | 1 |
| <i>IL1RAP</i> | 0.20924797 | 0.00014136 | 1 |
| <i>MTHFS</i> | 0.20921116 | 0.00014175 | 1 |
| <i>HIST1H3I</i> | 0.20920113 | 0.00014186 | 1 |
| <i>TTC12</i> | 0.20913591 | 0.00014256 | 1 |
| <i>MRPL20</i> | 0.20910118 | 0.00014293 | 1 |
| <i>PSMC4</i> | 0.20904366 | 0.00014355 | 1 |
| <i>PROZ</i> | 0.2089898 | 0.00014413 | 1 |
| <i>COX18</i> | 0.20881869 | 0.00014599 | 1 |
| <i>SNX5</i> | 0.20873557 | 0.00014691 | 1 |
| <i>LOC1001343</i> | 0.20867283 | 0.0001476 | 1 |
| <i>ELFN1</i> | 0.20850925 | 0.00014942 | 1 |
| <i>PAN2</i> | 0.20841885 | 0.00015043 | 1 |
| <i>ZNF534</i> | 0.2083416 | 0.00015131 | 1 |
| <i>SLC39A3</i> | 0.20826999 | 0.00015212 | 1 |
| <i>KCMF1</i> | 0.20814288 | 0.00015357 | 1 |
| <i>DOLK</i> | 0.20810801 | 0.00015397 | 1 |
| <i>SNORA74A</i> | 0.20809808 | 0.00015409 | 1 |
| <i>LOC723972</i> | 0.20803493 | 0.00015482 | 1 |
| <i>LOC389458</i> | 0.20798477 | 0.0001554 | 1 |
| <i>RNF44</i> | 0.20792358 | 0.00015611 | 1 |
| <i>LOC168474</i> | 0.20791492 | 0.00015621 | 1 |
| <i>LEPRE1</i> | 0.20775871 | 0.00015804 | 1 |
| <i>TSPAN5</i> | 0.2077017 | 0.00015872 | 1 |
| <i>C3orf35</i> | 0.20764212 | 0.00015942 | 1 |
| <i>ATRX</i> | 0.20762343 | 0.00015965 | 1 |
| <i>TNFSF11</i> | 0.20761375 | 0.00015976 | 1 |
| <i>POP5</i> | 0.20759469 | 0.00015999 | 1 |
| <i>MLLT1</i> | 0.20752478 | 0.00016083 | 1 |
| <i>DDIT4</i> | 0.20738114 | 0.00016256 | 1 |
| <i>PEMT</i> | 0.20704835 | 0.00016663 | 1 |
| <i>PLEKHB1</i> | 0.20698153 | 0.00016746 | 1 |
| <i>LOC645676</i> | 0.20693289 | 0.00016807 | 1 |
| <i>FAM22F</i> | 0.20693004 | 0.00016811 | 1 |
| <i>RBM27</i> | 0.20687314 | 0.00016882 | 1 |
| <i>C1QBP</i> | 0.20669642 | 0.00017105 | 1 |
| <i>LOC148413</i> | 0.20664984 | 0.00017164 | 1 |
| <i>NAMPT</i> | 0.20658386 | 0.00017249 | 1 |
| <i>ZXDB</i> | 0.20652533 | 0.00017324 | 1 |
| <i>MRPL10</i> | 0.20627486 | 0.00017649 | 1 |
| <i>FEZF1</i> | 0.20624826 | 0.00017683 | 1 |
| <i>FAM104B</i> | 0.20615077 | 0.00017812 | 1 |

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| <i>SPATA2</i> | 0.20614552 | 0.00017818 | 1 |
| <i>OSTCL</i> | 0.20607818 | 0.00017908 | 1 |
| <i>DHRXS</i> | 0.20598807 | 0.00018027 | 1 |
| <i>TCP10L2</i> | 0.20597811 | 0.00018041 | 1 |
| <i>DCLK3</i> | 0.20591025 | 0.00018132 | 1 |
| <i>YIPF2</i> | 0.20588405 | 0.00018167 | 1 |
| <i>CDK2AP1</i> | 0.20562964 | 0.00018512 | 1 |
| <i>RAGE</i> | 0.2055911 | 0.00018564 | 1 |
| <i>CDCA2</i> | 0.20550139 | 0.00018688 | 1 |
| <i>SCRN1</i> | 0.20534326 | 0.00018907 | 1 |
| <i>USP45</i> | 0.2052229 | 0.00019076 | 1 |
| <i>DPF1</i> | 0.20520816 | 0.00019097 | 1 |
| <i>MYNN</i> | 0.20519385 | 0.00019117 | 1 |
| <i>CXorf56</i> | 0.20515304 | 0.00019174 | 1 |
| <i>FAM164A</i> | 0.20513403 | 0.00019201 | 1 |
| <i>ZNF691</i> | 0.20512721 | 0.00019211 | 1 |
| <i>NUFIP2</i> | 0.20496596 | 0.00019441 | 1 |
| <i>C5orf43</i> | 0.20476086 | 0.00019736 | 1 |
| <i>DIDO1</i> | 0.20453471 | 0.00020067 | 1 |
| <i>LOC644936</i> | 0.20446774 | 0.00020166 | 1 |
| <i>PAK2</i> | 0.20443792 | 0.00020211 | 1 |
| <i>SMN1</i> | 0.20437649 | 0.00020302 | 1 |
| <i>GNPAT</i> | 0.2043105 | 0.00020401 | 1 |
| <i>HOXA10</i> | 0.20417134 | 0.0002061 | 1 |
| <i>TMEM120B</i> | 0.20416133 | 0.00020625 | 1 |
| <i>GMNN</i> | 0.20412739 | 0.00020677 | 1 |
| <i>KIAA0895L</i> | 0.20403555 | 0.00020816 | 1 |
| <i>MED21</i> | 0.2040339 | 0.00020819 | 1 |
| <i>C5orf46</i> | 0.20399149 | 0.00020884 | 1 |
| <i>RBX1</i> | 0.20396327 | 0.00020927 | 1 |
| <i>SHC3</i> | 0.20392936 | 0.00020979 | 1 |
| <i>LOC1002722</i> | 0.2039203 | 0.00020993 | 1 |
| <i>IGFL1</i> | 0.20390859 | 0.00021011 | 1 |
| <i>TRIM4</i> | 0.20386324 | 0.00021081 | 1 |
| <i>VOPP1</i> | 0.20377094 | 0.00021224 | 1 |
| <i>ZNF430</i> | 0.20376638 | 0.00021231 | 1 |
| <i>AAA1</i> | 0.20371683 | 0.00021308 | 1 |
| <i>ADCK1</i> | 0.20370709 | 0.00021323 | 1 |
| <i>RIF1</i> | 0.20369301 | 0.00021345 | 1 |
| <i>LOC1002708</i> | 0.2036525 | 0.00021409 | 1 |
| <i>NECAB3</i> | 0.20363922 | 0.0002143 | 1 |
| <i>SIVA1</i> | 0.20363576 | 0.00021435 | 1 |
| <i>PPAPDC1A</i> | 0.20355394 | 0.00021564 | 1 |
| <i>HSN2</i> | 0.20352997 | 0.00021602 | 1 |
| <i>DDX46</i> | 0.20348518 | 0.00021673 | 1 |
| <i>PDK3</i> | 0.20338793 | 0.00021827 | 1 |
| <i>GLB1</i> | 0.20331742 | 0.0002194 | 1 |
| <i>ZNF93</i> | 0.20329997 | 0.00021968 | 1 |
| <i>ARL17A</i> | 0.20324549 | 0.00022056 | 1 |
| <i>HSPA8</i> | 0.20320016 | 0.00022129 | 1 |
| <i>PSMD11</i> | 0.20318222 | 0.00022158 | 1 |

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| <i>SERPINF2</i> | 0.20295662 | 0.00022526 | 1 |
| <i>ADAMTS12</i> | 0.20292158 | 0.00022583 | 1 |
| <i>SNX25</i> | 0.20276037 | 0.0002285 | 1 |
| <i>SNORA59B</i> | 0.20274874 | 0.0002287 | 1 |
| <i>SYNGR2</i> | 0.20272822 | 0.00022904 | 1 |
| <i>ANP32E</i> | 0.20272065 | 0.00022917 | 1 |
| <i>MRM1</i> | 0.20270386 | 0.00022945 | 1 |
| <i>ZC3H13</i> | 0.20269442 | 0.0002296 | 1 |
| <i>RPL26</i> | 0.20265832 | 0.00023021 | 1 |
| <i>COQ3</i> | 0.20255725 | 0.00023191 | 1 |
| <i>GPS1</i> | 0.20253531 | 0.00023228 | 1 |
| <i>DAPL1</i> | 0.20251315 | 0.00023266 | 1 |
| <i>ARL4A</i> | 0.20250447 | 0.0002328 | 1 |
| <i>MFSD3</i> | 0.20241417 | 0.00023434 | 1 |
| <i>ACSL4</i> | 0.20233041 | 0.00023577 | 1 |
| <i>ZNF503</i> | 0.20222874 | 0.00023752 | 1 |
| <i>GUF1</i> | 0.20198377 | 0.00024178 | 1 |
| <i>CRTAP</i> | 0.20197761 | 0.00024189 | 1 |
| <i>NBEAL2</i> | 0.20190533 | 0.00024317 | 1 |
| <i>MTO1</i> | 0.20189627 | 0.00024332 | 1 |
| <i>TRMT12</i> | 0.20177145 | 0.00024554 | 1 |
| <i>C20orf30</i> | 0.20175779 | 0.00024578 | 1 |
| <i>C15orf61</i> | 0.20161024 | 0.00024843 | 1 |
| <i>FUNDC2P2</i> | 0.20147138 | 0.00025094 | 1 |
| <i>ZNF498</i> | 0.20140732 | 0.0002521 | 1 |
| <i>CHRNA</i> | 0.20131797 | 0.00025374 | 1 |
| <i>EIF3IP1</i> | 0.20121522 | 0.00025563 | 1 |
| <i>DMRT3</i> | 0.20109807 | 0.00025781 | 1 |
| <i>BANF2</i> | 0.20108069 | 0.00025813 | 1 |
| <i>FAM118A</i> | 0.20101503 | 0.00025936 | 1 |
| <i>COL9A1</i> | 0.20097094 | 0.00026019 | 1 |
| <i>RECQL</i> | 0.20087651 | 0.00026197 | 1 |
| <i>C5orf62</i> | 0.20087381 | 0.00026202 | 1 |
| <i>C10orf18</i> | 0.20075778 | 0.00026423 | 1 |
| <i>UBE2B</i> | 0.20066831 | 0.00026594 | 1 |
| <i>CLK2</i> | 0.20066087 | 0.00026608 | 1 |
| <i>LOC1002887</i> | 0.20055249 | 0.00026817 | 1 |
| <i>CYP4F3</i> | 0.2005269 | 0.00026866 | 1 |
| <i>CSF2</i> | 0.20047267 | 0.00026972 | 1 |
| <i>ORM1</i> | 0.2004311 | 0.00027053 | 1 |
| <i>AKR1CL1</i> | 0.20037717 | 0.00027158 | 1 |
| <i>VPS41</i> | 0.20023077 | 0.00027446 | 1 |
| <i>C2orf47</i> | 0.20004463 | 0.00027816 | 1 |
| <i>C19orf73</i> | 0.20001503 | 0.00027875 | 1 |
| <i>PNKP</i> | 0.19982961 | 0.00028249 | 1 |
| <i>MED26</i> | 0.19976526 | 0.0002838 | 1 |
| <i>C1orf163</i> | 0.19976138 | 0.00028388 | 1 |
| <i>MRPL16</i> | 0.19975581 | 0.000284 | 1 |
| <i>PGC</i> | 0.19973105 | 0.0002845 | 1 |
| <i>ARL3</i> | 0.19971644 | 0.0002848 | 1 |
| <i>MYO19</i> | 0.19968676 | 0.00028541 | 1 |

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| <i>BBC3</i> | 0.19943856 | 0.00029054 | 1 |
| <i>INCENP</i> | 0.1993617 | 0.00029214 | 1 |
| <i>SLAMF9</i> | 0.19931556 | 0.00029311 | 1 |
| <i>CAPN12</i> | 0.19929291 | 0.00029359 | 1 |
| <i>JMJD6</i> | 0.199284 | 0.00029377 | 1 |
| <i>PRH2</i> | 0.19922067 | 0.00029511 | 1 |
| <i>DGKE</i> | 0.19915835 | 0.00029643 | 1 |
| <i>UQCRB</i> | 0.19908747 | 0.00029794 | 1 |
| <i>SERP1</i> | 0.19906181 | 0.00029849 | 1 |
| <i>PAWR</i> | 0.19904399 | 0.00029887 | 1 |
| <i>ZNF770</i> | 0.19903571 | 0.00029905 | 1 |
| <i>CASC5</i> | 0.19901121 | 0.00029957 | 1 |
| <i>COL27A1</i> | 0.19897154 | 0.00030042 | 1 |
| <i>ZNF576</i> | 0.19887316 | 0.00030254 | 1 |
| <i>MYH4</i> | 0.19879565 | 0.00030423 | 1 |
| <i>EIF4EBP3</i> | 0.19866794 | 0.00030702 | 1 |
| <i>DOK7</i> | 0.19859293 | 0.00030867 | 1 |
| <i>FADS3</i> | 0.19846864 | 0.00031142 | 1 |
| <i>BRMS1</i> | 0.19835338 | 0.00031399 | 1 |
| <i>OLR1</i> | 0.19828617 | 0.0003155 | 1 |
| <i>POP4</i> | 0.19826139 | 0.00031606 | 1 |
| <i>SLC25A2</i> | 0.19817028 | 0.00031812 | 1 |
| <i>ERCC2</i> | 0.19807039 | 0.00032039 | 1 |
| <i>CYP2B6</i> | 0.19801797 | 0.00032159 | 1 |
| <i>TMEM27</i> | 0.19779405 | 0.00032676 | 1 |
| <i>NEK8</i> | 0.19778342 | 0.000327 | 1 |
| <i>PARL</i> | 0.19776892 | 0.00032734 | 1 |
| <i>OBP2B</i> | 0.19772617 | 0.00032834 | 1 |
| <i>E4F1</i> | 0.1976797 | 0.00032943 | 1 |
| <i>ABCB6</i> | 0.19765216 | 0.00033007 | 1 |
| <i>IFT20</i> | 0.19761537 | 0.00033094 | 1 |
| <i>NDFIP2</i> | 0.19756013 | 0.00033224 | 1 |
| <i>UPK3A</i> | 0.19755326 | 0.0003324 | 1 |
| <i>RIN1</i> | 0.19749945 | 0.00033367 | 1 |
| <i>THY1</i> | 0.19743645 | 0.00033517 | 1 |
| <i>NT5DC1</i> | 0.19729389 | 0.00033858 | 1 |
| <i>HMGXB3</i> | 0.19726475 | 0.00033928 | 1 |
| <i>DGKH</i> | 0.19716588 | 0.00034167 | 1 |
| <i>USP5</i> | 0.19711671 | 0.00034286 | 1 |
| <i>RBM6</i> | 0.1970857 | 0.00034362 | 1 |
| <i>AADAC</i> | 0.19695577 | 0.0003468 | 1 |
| <i>RBM44</i> | 0.19691965 | 0.00034769 | 1 |
| <i>C6orf141</i> | 0.19684945 | 0.00034942 | 1 |
| <i>MBTD1</i> | 0.1968307 | 0.00034988 | 1 |
| <i>VENTX</i> | 0.19682632 | 0.00034999 | 1 |
| <i>COMMD8</i> | 0.1967674 | 0.00035146 | 1 |
| <i>TBX20</i> | 0.19662354 | 0.00035505 | 1 |
| <i>HLCS</i> | 0.19661676 | 0.00035522 | 1 |
| <i>KRT18</i> | 0.19637215 | 0.00036142 | 1 |
| <i>BTN1A1</i> | 0.19632941 | 0.00036251 | 1 |
| <i>C11orf49</i> | 0.19622217 | 0.00036527 | 1 |

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| <i>QDPR</i> | 0.19616498 | 0.00036675 | 1 |
| <i>LPIN3</i> | 0.19616146 | 0.00036684 | 1 |
| <i>C5orf45</i> | 0.19606992 | 0.00036922 | 1 |
| <i>C9orf25</i> | 0.19601608 | 0.00037062 | 1 |
| <i>IGF2BP2</i> | 0.19601104 | 0.00037075 | 1 |
| <i>RANGRF</i> | 0.19584017 | 0.00037525 | 1 |
| <i>C14orf72</i> | 0.19582495 | 0.00037565 | 1 |
| <i>FIS1</i> | 0.19575485 | 0.00037751 | 1 |
| <i>PTPN4</i> | 0.19575416 | 0.00037753 | 1 |
| <i>CILP2</i> | 0.1956496 | 0.00038032 | 1 |
| <i>TMEM62</i> | 0.19562663 | 0.00038093 | 1 |
| <i>POLR2E</i> | 0.19544924 | 0.00038572 | 1 |
| <i>ASPH</i> | 0.1953546 | 0.00038829 | 1 |
| <i>ENAH</i> | 0.19529484 | 0.00038993 | 1 |
| <i>C6orf97</i> | 0.1951463 | 0.00039402 | 1 |
| <i>CNO</i> | 0.19492626 | 0.00040015 | 1 |
| <i>C10orf131</i> | 0.19489012 | 0.00040117 | 1 |
| <i>MECR</i> | 0.19483032 | 0.00040286 | 1 |
| <i>LEKR1</i> | 0.19482102 | 0.00040312 | 1 |
| <i>PEA15</i> | 0.19470803 | 0.00040632 | 1 |
| <i>KCTD20</i> | 0.19461521 | 0.00040898 | 1 |
| <i>FAM10A4</i> | 0.19445599 | 0.00041356 | 1 |
| <i>EFHA1</i> | 0.19445479 | 0.0004136 | 1 |
| <i>SMEK2</i> | 0.19432226 | 0.00041745 | 1 |
| <i>ZNF280B</i> | 0.19412068 | 0.00042338 | 1 |
| <i>ACTR3C</i> | 0.19408126 | 0.00042454 | 1 |
| <i>ALDH3B2</i> | 0.19407868 | 0.00042462 | 1 |
| <i>TNFRSF10B</i> | 0.19401939 | 0.00042638 | 1 |
| <i>LOC150197</i> | 0.19388825 | 0.00043031 | 1 |
| <i>C7orf54</i> | 0.19388397 | 0.00043043 | 1 |
| <i>FLJ39653</i> | 0.19380319 | 0.00043287 | 1 |
| <i>RBM4</i> | 0.19351645 | 0.00044161 | 1 |
| <i>DBI</i> | 0.19340347 | 0.0004451 | 1 |
| <i>LRDD</i> | 0.1933702 | 0.00044613 | 1 |
| <i>C12orf34</i> | 0.19332222 | 0.00044762 | 1 |
| <i>LOC643677</i> | 0.19326019 | 0.00044956 | 1 |
| <i>RELT</i> | 0.19303834 | 0.00045655 | 1 |
| <i>STMN3</i> | 0.1929837 | 0.00045829 | 1 |
| <i>C19orf56</i> | 0.19297145 | 0.00045868 | 1 |
| <i>AZI1</i> | 0.19281588 | 0.00046366 | 1 |
| <i>SPNS1</i> | 0.19278338 | 0.00046471 | 1 |
| <i>MYCBP</i> | 0.19275731 | 0.00046555 | 1 |
| <i>IL5</i> | 0.19264357 | 0.00046924 | 1 |
| <i>KRT32</i> | 0.19261477 | 0.00047018 | 1 |
| <i>SCAMP1</i> | 0.1926118 | 0.00047027 | 1 |
| <i>S100A5</i> | 0.19255399 | 0.00047216 | 1 |
| <i>SSX6</i> | 0.19232762 | 0.00047963 | 1 |
| <i>MGC23270</i> | 0.19224538 | 0.00048237 | 1 |
| <i>ZNF193</i> | 0.19219623 | 0.00048401 | 1 |
| <i>RPA2</i> | 0.19217285 | 0.0004848 | 1 |
| <i>ARFRP1</i> | 0.19201078 | 0.00049026 | 1 |

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| <i>PPM1N</i> | 0.19199465 | 0.00049081 | 1 |
| <i>ANP32C</i> | 0.19199155 | 0.00049092 | 1 |
| <i>NT5C3</i> | 0.19197314 | 0.00049154 | 1 |
| <i>BNIP1</i> | 0.19190546 | 0.00049385 | 1 |
| <i>LOC1001322</i> | 0.19181983 | 0.00049678 | 1 |
| <i>BAX</i> | 0.19177382 | 0.00049836 | 1 |
| <i>LOC121952</i> | 0.19167305 | 0.00050184 | 1 |
| <i>ZNF143</i> | 0.19165123 | 0.0005026 | 1 |
| <i>COCH</i> | 0.19145654 | 0.0005094 | 1 |
| <i>SETMAR</i> | 0.19145639 | 0.0005094 | 1 |
| <i>NRADDP</i> | 0.19141767 | 0.00051076 | 1 |
| <i>LDHB</i> | 0.19117768 | 0.00051928 | 1 |
| <i>PROCA1</i> | 0.19110398 | 0.00052192 | 1 |
| <i>WDR45L</i> | 0.19106343 | 0.00052338 | 1 |
| <i>LNX2</i> | 0.19064887 | 0.00053852 | 1 |
| <i>AUP1</i> | 0.19064543 | 0.00053864 | 1 |
| <i>UTP3</i> | 0.19062827 | 0.00053928 | 1 |
| <i>SNAPC3</i> | 0.19060444 | 0.00054016 | 1 |
| <i>CRYAA</i> | 0.19056411 | 0.00054166 | 1 |
| <i>VPS29</i> | 0.19052283 | 0.0005432 | 1 |
| <i>TAS2R42</i> | 0.19051451 | 0.00054351 | 1 |
| <i>RAB7A</i> | 0.19050014 | 0.00054404 | 1 |
| <i>RHBDD3</i> | 0.19046366 | 0.00054541 | 1 |
| <i>SYCP2</i> | 0.19044662 | 0.00054605 | 1 |
| <i>LOC1001342</i> | 0.19043766 | 0.00054638 | 1 |
| <i>MANEAL</i> | 0.19042323 | 0.00054692 | 1 |
| <i>USP26</i> | 0.19036625 | 0.00054906 | 1 |
| <i>ZMPSTE24</i> | 0.19030811 | 0.00055126 | 1 |
| <i>CAGE1</i> | 0.1901948 | 0.00055556 | 1 |
| <i>C2orf89</i> | 0.18998673 | 0.00056353 | 1 |
| <i>HCN1</i> | 0.189958 | 0.00056464 | 1 |
| <i>SENP3</i> | 0.18994516 | 0.00056514 | 1 |
| <i>EIF5A11</i> | 0.18992312 | 0.00056599 | 1 |
| <i>LOC147727</i> | 0.18978799 | 0.00057125 | 1 |
| <i>SFRS16</i> | 0.18973753 | 0.00057322 | 1 |
| <i>CAMKK1</i> | 0.18964071 | 0.00057703 | 1 |
| <i>ITGA6</i> | 0.18961901 | 0.00057789 | 1 |
| <i>PSMD3</i> | 0.18960888 | 0.00057829 | 1 |
| <i>WBSCR27</i> | 0.18959871 | 0.00057869 | 1 |
| <i>STARD7</i> | 0.18947804 | 0.00058348 | 1 |
| <i>UBE2F</i> | 0.18944307 | 0.00058487 | 1 |
| <i>MAGEA11</i> | 0.18935317 | 0.00058847 | 1 |
| <i>DNM1P35</i> | 0.1892714 | 0.00059177 | 1 |
| <i>SLC29A3</i> | 0.1891358 | 0.00059726 | 1 |
| <i>OBFC2A</i> | 0.18912637 | 0.00059765 | 1 |
| <i>RPUSD2</i> | 0.18901785 | 0.00060209 | 1 |
| <i>NRBP2</i> | 0.18889937 | 0.00060696 | 1 |
| <i>LOC401052</i> | 0.18876589 | 0.0006125 | 1 |
| <i>LOC1001331</i> | 0.18866568 | 0.00061669 | 1 |
| <i>TMEM199</i> | 0.18863614 | 0.00061793 | 1 |
| <i>DOHH</i> | 0.18857123 | 0.00062067 | 1 |

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| <i>SPATA5L1</i> | 0.18849032 | 0.00062409 | 1 |
| <i>TMEM38B</i> | 0.18842034 | 0.00062706 | 1 |
| <i>PPIB</i> | 0.18841471 | 0.0006273 | 1 |
| <i>OGFR</i> | 0.18827119 | 0.00063345 | 1 |
| <i>CDC27</i> | 0.18818317 | 0.00063724 | 1 |
| <i>G6PD</i> | 0.18814137 | 0.00063905 | 1 |
| <i>ACAD11</i> | 0.18804917 | 0.00064306 | 1 |
| <i>C9orf85</i> | 0.18804251 | 0.00064335 | 1 |
| <i>TAF10</i> | 0.18794016 | 0.00064783 | 1 |
| <i>VPS25</i> | 0.18793622 | 0.000648 | 1 |
| <i>PPBPL2</i> | 0.18790334 | 0.00064945 | 1 |
| <i>ATG4B</i> | 0.18784453 | 0.00065204 | 1 |
| <i>MOBKL3</i> | 0.18784389 | 0.00065207 | 1 |
| <i>DIRC1</i> | 0.18769276 | 0.00065878 | 1 |
| <i>GTF2E2</i> | 0.18768249 | 0.00065923 | 1 |
| <i>CCDC21</i> | 0.18767614 | 0.00065952 | 1 |
| <i>C9orf173</i> | 0.18744151 | 0.00067007 | 1 |
| <i>DSCR9</i> | 0.18741757 | 0.00067115 | 1 |
| <i>KPNA1</i> | 0.18737726 | 0.00067298 | 1 |
| <i>METTL13</i> | 0.18729104 | 0.00067691 | 1 |
| <i>SUV420H2</i> | 0.1872213 | 0.00068011 | 1 |
| <i>HIST1H2AB</i> | 0.18710506 | 0.00068547 | 1 |
| <i>PPIL5</i> | 0.18709596 | 0.00068589 | 1 |
| <i>ARL5B</i> | 0.1870847 | 0.00068641 | 1 |
| <i>RBM25</i> | 0.18706781 | 0.00068719 | 1 |
| <i>SERPINB5</i> | 0.18704345 | 0.00068832 | 1 |
| <i>ZNF253</i> | 0.1870408 | 0.00068845 | 1 |
| <i>TNNT2</i> | 0.1870325 | 0.00068883 | 1 |
| <i>TAF15</i> | 0.18684787 | 0.00069746 | 1 |
| <i>LRRC45</i> | 0.18676619 | 0.00070131 | 1 |
| <i>LIPT1</i> | 0.18646705 | 0.00071558 | 1 |
| <i>CEP135</i> | 0.18636161 | 0.00072067 | 1 |
| <i>CEACAM6</i> | 0.1863204 | 0.00072267 | 1 |
| <i>PLEKHA1</i> | 0.18626716 | 0.00072526 | 1 |
| <i>LOC728190</i> | 0.1862228 | 0.00072742 | 1 |
| <i>KIF21B</i> | 0.18619339 | 0.00072886 | 1 |
| <i>C1orf55</i> | 0.18614807 | 0.00073108 | 1 |
| <i>SSNA1</i> | 0.18609551 | 0.00073367 | 1 |
| <i>LOC339047</i> | 0.18608153 | 0.00073436 | 1 |
| <i>LOC1001302</i> | 0.18607706 | 0.00073458 | 1 |
| <i>CD81</i> | 0.18605487 | 0.00073567 | 1 |
| <i>PADI1</i> | 0.18605207 | 0.00073581 | 1 |
| <i>TDO2</i> | 0.18597874 | 0.00073944 | 1 |
| <i>LRP5L</i> | 0.18578401 | 0.00074916 | 1 |
| <i>KIAA1984</i> | 0.18569946 | 0.00075342 | 1 |
| <i>HIST1H4C</i> | 0.18557069 | 0.00075994 | 1 |
| <i>LIPG</i> | 0.18544451 | 0.00076639 | 1 |
| <i>MRPS25</i> | 0.18534075 | 0.00077173 | 1 |
| <i>SPOCD1</i> | 0.18526188 | 0.00077581 | 1 |
| <i>TWF1</i> | 0.18525844 | 0.00077599 | 1 |
| <i>TREX2</i> | 0.18517916 | 0.00078011 | 1 |

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|------------------|------------|------------|---|
| <i>MMD</i> | 0.18515637 | 0.0007813 | 1 |
| <i>SLC39A4</i> | 0.18515575 | 0.00078133 | 1 |
| <i>SLC35B4</i> | 0.18515445 | 0.0007814 | 1 |
| <i>STAG3L1</i> | 0.18512359 | 0.00078301 | 1 |
| <i>ZNF579</i> | 0.18504254 | 0.00078726 | 1 |
| <i>RNF2</i> | 0.18492013 | 0.00079372 | 1 |
| <i>LARS2</i> | 0.18487315 | 0.00079621 | 1 |
| <i>GLYATL2</i> | 0.18482337 | 0.00079886 | 1 |
| <i>DMP1</i> | 0.18479242 | 0.00080051 | 1 |
| <i>HSP90AB4P</i> | 0.18477947 | 0.0008012 | 1 |
| <i>RPL29P2</i> | 0.18476568 | 0.00080194 | 1 |
| <i>TAS2R1</i> | 0.18474809 | 0.00080288 | 1 |
| <i>LRRC10B</i> | 0.18471768 | 0.00080451 | 1 |
| <i>HCN3</i> | 0.18471695 | 0.00080455 | 1 |
| <i>PITX2</i> | 0.18471484 | 0.00080466 | 1 |
| <i>IL17A</i> | 0.18464363 | 0.00080849 | 1 |
| <i>FAM3B</i> | 0.18445584 | 0.00081867 | 1 |
| <i>TWIST1</i> | 0.18445523 | 0.0008187 | 1 |
| <i>TTC16</i> | 0.18439923 | 0.00082176 | 1 |
| <i>ASNA1</i> | 0.18437332 | 0.00082318 | 1 |
| <i>WIZ</i> | 0.18435282 | 0.0008243 | 1 |
| <i>LOC729467</i> | 0.18433892 | 0.00082507 | 1 |
| <i>TSG101</i> | 0.1843289 | 0.00082562 | 1 |
| <i>C13orf15</i> | 0.18422602 | 0.00083129 | 1 |
| <i>PIGY</i> | 0.18406723 | 0.00084011 | 1 |
| <i>CXCL6</i> | 0.18395681 | 0.00084629 | 1 |
| <i>FKBPL</i> | 0.18393778 | 0.00084736 | 1 |
| <i>YIPF4</i> | 0.18381077 | 0.00085454 | 1 |
| <i>C17orf104</i> | 0.18373021 | 0.00085912 | 1 |
| <i>MAT1A</i> | 0.1836275 | 0.00086499 | 1 |
| <i>SLC30A5</i> | 0.18358774 | 0.00086727 | 1 |
| <i>PMS2L11</i> | 0.18358169 | 0.00086762 | 1 |
| <i>MYO1H</i> | 0.18355022 | 0.00086943 | 1 |
| <i>SCAND1</i> | 0.18353643 | 0.00087023 | 1 |
| <i>SUCLA2</i> | 0.183486 | 0.00087314 | 1 |
| <i>LOC283867</i> | 0.18320074 | 0.00088979 | 1 |
| <i>PRKAG1</i> | 0.183182 | 0.00089089 | 1 |
| <i>UBE2E1</i> | 0.18294002 | 0.00090526 | 1 |
| <i>SLC34A1</i> | 0.182928 | 0.00090598 | 1 |
| <i>EEF1A1P9</i> | 0.18288572 | 0.00090851 | 1 |
| <i>TNFSF15</i> | 0.18280929 | 0.00091311 | 1 |
| <i>TBC1D24</i> | 0.1825735 | 0.00092742 | 1 |
| <i>ALKBH4</i> | 0.1825204 | 0.00093068 | 1 |
| <i>PABPC1P2</i> | 0.18249776 | 0.00093207 | 1 |
| <i>WFDC3</i> | 0.18239376 | 0.00093848 | 1 |
| <i>KIAA1009</i> | 0.18236939 | 0.00093998 | 1 |
| <i>RBM11</i> | 0.18225067 | 0.00094736 | 1 |
| <i>DIO2</i> | 0.18223665 | 0.00094824 | 1 |
| <i>SPAG1</i> | 0.18214854 | 0.00095375 | 1 |
| <i>USP35</i> | 0.18213811 | 0.00095441 | 1 |
| <i>STAG3L3</i> | 0.18206745 | 0.00095885 | 1 |

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| <i>C17orf80</i> | 0.18200752 | 0.00096264 | 1 |
| <i>GOLGA8B</i> | 0.18178252 | 0.00097698 | 1 |
| <i>C2orf69</i> | 0.1817606 | 0.00097839 | 1 |
| <i>KDELC2</i> | 0.18173104 | 0.00098029 | 1 |
| <i>MYO1B</i> | 0.1816765 | 0.0009838 | 1 |
| <i>JHDM1D</i> | 0.18166304 | 0.00098467 | 1 |
| <i>LOC1001335</i> | 0.18165822 | 0.00098498 | 1 |
| <i>EIF5A</i> | 0.18165133 | 0.00098543 | 1 |
| <i>ALG9</i> | 0.18163948 | 0.0009862 | 1 |
| <i>KIAA0947</i> | 0.18163683 | 0.00098637 | 1 |
| <i>PEBP1</i> | 0.18162736 | 0.00098698 | 1 |
| <i>MYLPF</i> | 0.1816256 | 0.00098709 | 1 |
| <i>PBX2</i> | 0.18159411 | 0.00098914 | 1 |
| <i>EPHB1</i> | 0.18148154 | 0.00099647 | 1 |
| <i>C12orf44</i> | 0.18146481 | 0.00099756 | 1 |
| <i>FAM116A</i> | 0.18143565 | 0.00099947 | 1 |
| <i>DCK</i> | 0.181277 | 0.00100992 | 1 |
| <i>NUCKS1</i> | 0.18120153 | 0.00101492 | 1 |
| <i>GSDMA</i> | 0.18119422 | 0.00101541 | 1 |
| <i>DDC</i> | 0.18112027 | 0.00102033 | 1 |
| <i>C17orf56</i> | 0.18098433 | 0.00102945 | 1 |
| <i>MTX1</i> | 0.18078772 | 0.00104277 | 1 |
| <i>MRPL49</i> | 0.18066042 | 0.00105147 | 1 |
| <i>SCARNA6</i> | 0.1806407 | 0.00105283 | 1 |
| <i>TRAPPC9</i> | 0.18063743 | 0.00105305 | 1 |
| <i>OLAH</i> | 0.18057746 | 0.00105718 | 1 |
| <i>ZNF398</i> | 0.18054421 | 0.00105948 | 1 |
| <i>UBE2M</i> | 0.18052373 | 0.0010609 | 1 |
| <i>LOC158572</i> | 0.18048028 | 0.00106391 | 1 |
| <i>WASH7P</i> | 0.18045441 | 0.00106571 | 1 |
| <i>DNAH2</i> | 0.18016103 | 0.00108628 | 1 |
| <i>KIAA1024</i> | 0.18006575 | 0.00109304 | 1 |
| <i>SULT2A1</i> | 0.17997971 | 0.00109918 | 1 |
| <i>MAGT1</i> | 0.17994168 | 0.0011019 | 1 |
| <i>QSER1</i> | 0.17987489 | 0.0011067 | 1 |
| <i>IKZF5</i> | 0.17986722 | 0.00110725 | 1 |
| <i>ZNF541</i> | 0.17983403 | 0.00110964 | 1 |
| <i>GSK3B</i> | 0.17980368 | 0.00111184 | 1 |
| <i>C5orf33</i> | 0.17977875 | 0.00111364 | 1 |
| <i>PRSS30P</i> | 0.17968659 | 0.00112033 | 1 |
| <i>RIPPLY1</i> | 0.17957046 | 0.00112881 | 1 |
| <i>LOXL2</i> | 0.1794048 | 0.00114101 | 1 |
| <i>CSDA</i> | 0.17927714 | 0.0011505 | 1 |
| <i>TMEM14C</i> | 0.17926394 | 0.00115148 | 1 |
| <i>LOC678655</i> | 0.17921441 | 0.00115519 | 1 |
| <i>NOL12</i> | 0.17920497 | 0.00115589 | 1 |
| <i>LYPD6</i> | 0.17918507 | 0.00115738 | 1 |
| <i>ARG2</i> | 0.1790068 | 0.00117083 | 1 |
| <i>AUTS2</i> | 0.17894444 | 0.00117556 | 1 |
| <i>COL12A1</i> | 0.17886291 | 0.00118178 | 1 |
| <i>TNFSF9</i> | 0.17884947 | 0.00118281 | 1 |

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| <i>PTGES2</i> | 0.17883406 | 0.00118399 | 1 |
| <i>LY75</i> | 0.17880264 | 0.0011864 | 1 |
| <i>PF4</i> | 0.17877446 | 0.00118856 | 1 |
| <i>ANKRD32</i> | 0.17866911 | 0.00119668 | 1 |
| <i>ZYX</i> | 0.17863879 | 0.00119903 | 1 |
| <i>PRKCI</i> | 0.17863647 | 0.00119921 | 1 |
| <i>AP1M2</i> | 0.17861602 | 0.00120079 | 1 |
| <i>ITFG2</i> | 0.1785786 | 0.0012037 | 1 |
| <i>RBBP9</i> | 0.17854545 | 0.00120628 | 1 |
| <i>KRT37</i> | 0.17839549 | 0.00121802 | 1 |
| <i>ZNF19</i> | 0.17834513 | 0.00122198 | 1 |
| <i>L2HGDH</i> | 0.17826251 | 0.00122851 | 1 |
| <i>KRTAP12-1</i> | 0.17816741 | 0.00123607 | 1 |
| <i>TEX12</i> | 0.17813113 | 0.00123896 | 1 |
| <i>ERO1L</i> | 0.17808229 | 0.00124287 | 1 |
| <i>IFFO2</i> | 0.17807595 | 0.00124337 | 1 |
| <i>MAGEF1</i> | 0.17805157 | 0.00124533 | 1 |
| <i>BEND3</i> | 0.1780024 | 0.00124928 | 1 |
| <i>C21orf90</i> | 0.17797859 | 0.00125119 | 1 |
| <i>SLC34A3</i> | 0.17797345 | 0.00125161 | 1 |
| <i>NMU</i> | 0.17795848 | 0.00125282 | 1 |
| <i>ZNF519</i> | 0.1779572 | 0.00125292 | 1 |
| <i>MAL2</i> | 0.17793839 | 0.00125444 | 1 |
| <i>THAP6</i> | 0.17788881 | 0.00125845 | 1 |
| <i>GRM2</i> | 0.17783761 | 0.0012626 | 1 |
| <i>SMARCAL1</i> | 0.17783694 | 0.00126266 | 1 |
| <i>PSMD8</i> | 0.17760289 | 0.00128181 | 1 |
| <i>FAM110A</i> | 0.1775701 | 0.00128451 | 1 |
| <i>GJA3</i> | 0.17751348 | 0.00128919 | 1 |
| <i>SLC7A5P2</i> | 0.1773693 | 0.00130118 | 1 |
| <i>C3orf33</i> | 0.17724594 | 0.00131152 | 1 |
| <i>FLJ36031</i> | 0.17700876 | 0.00133162 | 1 |
| <i>LOC221442</i> | 0.17691089 | 0.00133999 | 1 |
| <i>BRI3</i> | 0.17684636 | 0.00134554 | 1 |
| <i>CDK5R1</i> | 0.176845 | 0.00134566 | 1 |
| <i>WDR76</i> | 0.17667616 | 0.00136027 | 1 |
| <i>PGM3</i> | 0.17666895 | 0.0013609 | 1 |
| <i>WNT5A</i> | 0.17663108 | 0.0013642 | 1 |
| <i>PON2</i> | 0.17652958 | 0.00137308 | 1 |
| <i>INPP5D</i> | 0.17650702 | 0.00137506 | 1 |
| <i>SLC25A10</i> | 0.17648438 | 0.00137705 | 1 |
| <i>KCTD16</i> | 0.17629875 | 0.00139348 | 1 |
| <i>CHD1L</i> | 0.17626403 | 0.00139657 | 1 |
| <i>TTL</i> | 0.17583884 | 0.00143494 | 1 |
| <i>ZNF708</i> | 0.17572779 | 0.00144512 | 1 |
| <i>ZDHHC13</i> | 0.1757009 | 0.00144759 | 1 |
| <i>NDUFAB1</i> | 0.17566017 | 0.00145135 | 1 |
| <i>RRAGB</i> | 0.17549948 | 0.00146626 | 1 |
| <i>EIF2B2</i> | 0.17549601 | 0.00146658 | 1 |
| <i>COBLL1</i> | 0.17544772 | 0.00147109 | 1 |
| <i>ISPD</i> | 0.17543812 | 0.00147199 | 1 |

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| <i>SETD5</i> | 0.17538695 | 0.00147678 | 1 |
| <i>MLLT6</i> | 0.1753685 | 0.00147851 | 1 |
| <i>EFNA1</i> | 0.17536477 | 0.00147886 | 1 |
| <i>UPK1A</i> | 0.17536308 | 0.00147902 | 1 |
| <i>ADA</i> | 0.17536068 | 0.00147925 | 1 |
| <i>BREA2</i> | 0.1753534 | 0.00147993 | 1 |
| <i>ZNF713</i> | 0.17534238 | 0.00148097 | 1 |
| <i>MOCS2</i> | 0.17521273 | 0.00149321 | 1 |
| <i>SNORA74B</i> | 0.17520462 | 0.00149398 | 1 |
| <i>TRIM71</i> | 0.1750175 | 0.00151182 | 1 |
| <i>RNF220</i> | 0.17497172 | 0.00151621 | 1 |
| <i>NDUFB6</i> | 0.17495182 | 0.00151812 | 1 |
| <i>CATSPER2P1</i> | 0.17493451 | 0.00151979 | 1 |
| <i>SEC61B</i> | 0.17492579 | 0.00152063 | 1 |
| <i>PLCB1</i> | 0.174886 | 0.00152447 | 1 |
| <i>SLC38A7</i> | 0.17488458 | 0.00152461 | 1 |
| <i>FCHSD1</i> | 0.17484154 | 0.00152877 | 1 |
| <i>SERPINE1</i> | 0.17482389 | 0.00153048 | 1 |
| <i>C10orf91</i> | 0.174822 | 0.00153066 | 1 |
| <i>PRIC285</i> | 0.17479317 | 0.00153346 | 1 |
| <i>PVRL4</i> | 0.17475611 | 0.00153706 | 1 |
| <i>NQO1</i> | 0.17473947 | 0.00153868 | 1 |
| <i>C17orf69</i> | 0.17470862 | 0.00154169 | 1 |
| <i>FBRSL1</i> | 0.17469539 | 0.00154298 | 1 |
| <i>LOC1001333</i> | 0.17466315 | 0.00154613 | 1 |
| <i>C1D</i> | 0.17465446 | 0.00154699 | 1 |
| <i>TMEM41B</i> | 0.17463691 | 0.0015487 | 1 |
| <i>DAK</i> | 0.17461399 | 0.00155095 | 1 |
| <i>ADAM32</i> | 0.17456941 | 0.00155533 | 1 |
| <i>KRTAP5-3</i> | 0.17447942 | 0.00156421 | 1 |
| <i>SPRR2D</i> | 0.17434582 | 0.00157747 | 1 |
| <i>BRD8</i> | 0.17434246 | 0.00157781 | 1 |
| <i>ARPC1A</i> | 0.17431616 | 0.00158043 | 1 |
| <i>DDX5</i> | 0.1741913 | 0.00159294 | 1 |
| <i>RHBG</i> | 0.17418925 | 0.00159315 | 1 |
| <i>LOC653566</i> | 0.17418599 | 0.00159348 | 1 |
| <i>CDH6</i> | 0.17414014 | 0.00159809 | 1 |
| <i>PTTG2</i> | 0.17408806 | 0.00160336 | 1 |
| <i>COMMD9</i> | 0.17405717 | 0.00160648 | 1 |
| <i>VPS54</i> | 0.17397763 | 0.00161456 | 1 |
| <i>COX11</i> | 0.17387115 | 0.00162544 | 1 |
| <i>SOX14</i> | 0.17381484 | 0.00163121 | 1 |
| <i>FGF3</i> | 0.17379123 | 0.00163364 | 1 |
| <i>LOC152217</i> | 0.17368576 | 0.00164453 | 1 |
| <i>PPM1J</i> | 0.17363969 | 0.00164931 | 1 |
| <i>SCAMP4</i> | 0.17359879 | 0.00165356 | 1 |
| <i>DHX30</i> | 0.17358654 | 0.00165483 | 1 |
| <i>TUBA1B</i> | 0.1735751 | 0.00165602 | 1 |
| <i>SLC38A5</i> | 0.17355884 | 0.00165772 | 1 |
| <i>SIRT5</i> | 0.1734933 | 0.00166457 | 1 |
| <i>LOC284023</i> | 0.17348431 | 0.00166551 | 1 |

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| <i>MTHFSD</i> | 0.17343291 | 0.0016709 | 1 |
| <i>POLE</i> | 0.17338539 | 0.0016759 | 1 |
| <i>FIBP</i> | 0.17337983 | 0.00167649 | 1 |
| <i>LOC1001446</i> | 0.17327934 | 0.00168711 | 1 |
| <i>HYMAI</i> | 0.17327287 | 0.00168779 | 1 |
| <i>RBM14</i> | 0.17318421 | 0.00169722 | 1 |
| <i>HOXB13</i> | 0.17300606 | 0.0017163 | 1 |
| <i>JTB</i> | 0.17294988 | 0.00172236 | 1 |
| <i>CABC1</i> | 0.17286562 | 0.00173148 | 1 |
| <i>COL4A1</i> | 0.17280647 | 0.00173791 | 1 |
| <i>KCNT1</i> | 0.17276275 | 0.00174268 | 1 |
| <i>PMS2L2</i> | 0.17270037 | 0.0017495 | 1 |
| <i>HAUS8</i> | 0.17266553 | 0.00175333 | 1 |
| <i>TMPRSS3</i> | 0.17258753 | 0.00176191 | 1 |
| <i>IL1A</i> | 0.17251368 | 0.00177007 | 1 |
| <i>PIK3C2A</i> | 0.1723837 | 0.00178452 | 1 |
| <i>ZNF525</i> | 0.1723807 | 0.00178485 | 1 |
| <i>ODF2L</i> | 0.17231284 | 0.00179244 | 1 |
| <i>IGF2BP1</i> | 0.17229479 | 0.00179447 | 1 |
| <i>GPR115</i> | 0.1722897 | 0.00179504 | 1 |
| <i>SC65</i> | 0.17223081 | 0.00180165 | 1 |
| <i>AMACR</i> | 0.17221701 | 0.00180321 | 1 |
| <i>C6orf41</i> | 0.17212989 | 0.00181305 | 1 |
| <i>MTTP</i> | 0.17212264 | 0.00181387 | 1 |
| <i>FUT4</i> | 0.17208688 | 0.00181792 | 1 |
| <i>TCF20</i> | 0.17205857 | 0.00182114 | 1 |
| <i>C6orf124</i> | 0.17188157 | 0.00184136 | 1 |
| <i>ARHGAP18</i> | 0.17184819 | 0.00184519 | 1 |
| <i>ZBTB26</i> | 0.17181039 | 0.00184955 | 1 |
| <i>ZNF571</i> | 0.17180538 | 0.00185013 | 1 |
| <i>NDUFA11</i> | 0.17180124 | 0.0018506 | 1 |
| <i>C1QTNF8</i> | 0.17162134 | 0.00187146 | 1 |
| <i>COASY</i> | 0.17157261 | 0.00187715 | 1 |
| <i>C14orf104</i> | 0.17157048 | 0.0018774 | 1 |
| <i>TAF7L</i> | 0.1715617 | 0.00187843 | 1 |
| <i>PGLS</i> | 0.17155171 | 0.00187959 | 1 |
| <i>SLC22A12</i> | 0.17142054 | 0.001895 | 1 |
| <i>DYNLT3</i> | 0.17139329 | 0.00189821 | 1 |
| <i>SMC1A</i> | 0.17137702 | 0.00190013 | 1 |
| <i>SIX4</i> | 0.17134267 | 0.0019042 | 1 |
| <i>NCRNA0017</i> | 0.17125425 | 0.00191469 | 1 |
| <i>C20orf152</i> | 0.17122593 | 0.00191807 | 1 |
| <i>CD276</i> | 0.17110086 | 0.00193303 | 1 |
| <i>PAGE2B</i> | 0.17103567 | 0.00194087 | 1 |
| <i>LST-3TM12</i> | 0.17103027 | 0.00194152 | 1 |
| <i>CDH24</i> | 0.17098874 | 0.00194653 | 1 |
| <i>BNIP1</i> | 0.17097011 | 0.00194878 | 1 |
| <i>C19orf46</i> | 0.17087521 | 0.00196029 | 1 |
| <i>TMEM161B</i> | 0.1708126 | 0.00196791 | 1 |
| <i>TMED1</i> | 0.17080596 | 0.00196873 | 1 |
| <i>MRPL38</i> | 0.17079605 | 0.00196994 | 1 |

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| <i>NPC1L1</i> | 0.170684 | 0.00198366 | 1 |
| <i>PPP1R13L</i> | 0.17058502 | 0.00199586 | 1 |
| <i>PSIP1</i> | 0.17053147 | 0.00200249 | 1 |
| <i>XRCC6</i> | 0.17032287 | 0.00202851 | 1 |
| <i>MTA2</i> | 0.1702505 | 0.0020376 | 1 |
| <i>NCAPH2</i> | 0.17015513 | 0.00204965 | 1 |
| <i>LOC440563</i> | 0.17014001 | 0.00205157 | 1 |
| <i>BARD1</i> | 0.17013618 | 0.00205205 | 1 |
| <i>MSTO2P</i> | 0.17011652 | 0.00205455 | 1 |
| <i>NAT14</i> | 0.17006032 | 0.00206169 | 1 |
| <i>ALDOC</i> | 0.16999697 | 0.00206977 | 1 |
| <i>DHRS12</i> | 0.16985366 | 0.00208815 | 1 |
| <i>SMU1</i> | 0.16980669 | 0.00209421 | 1 |
| <i>ZMYM3</i> | 0.16959845 | 0.00212127 | 1 |
| <i>LRP3</i> | 0.16957868 | 0.00212385 | 1 |
| <i>EFHC1</i> | 0.16951677 | 0.00213196 | 1 |
| <i>CENPM</i> | 0.16943044 | 0.00214333 | 1 |
| <i>KIAA1033</i> | 0.16935522 | 0.00215327 | 1 |
| <i>LOC340017</i> | 0.16934592 | 0.0021545 | 1 |
| <i>TM7SF4</i> | 0.16932031 | 0.0021579 | 1 |
| <i>PEX2</i> | 0.16927812 | 0.0021635 | 1 |
| <i>PSMA6</i> | 0.16923207 | 0.00216964 | 1 |
| <i>DHX40</i> | 0.16922295 | 0.00217086 | 1 |
| <i>ZNF394</i> | 0.16917252 | 0.0021776 | 1 |
| <i>UCN</i> | 0.16910658 | 0.00218644 | 1 |
| <i>GNAT2</i> | 0.16907505 | 0.00219068 | 1 |
| <i>KLC2</i> | 0.16902762 | 0.00219707 | 1 |
| <i>C7orf46</i> | 0.16901623 | 0.0021986 | 1 |
| <i>GPBP1</i> | 0.16898774 | 0.00220246 | 1 |
| <i>SCARNA10</i> | 0.168966 | 0.0022054 | 1 |
| <i>UBE2O</i> | 0.16874437 | 0.00223559 | 1 |
| <i>TRIM52</i> | 0.16863054 | 0.00225125 | 1 |
| <i>TRIM78P</i> | 0.16862522 | 0.00225198 | 1 |
| <i>LRSAM1</i> | 0.16838498 | 0.00228536 | 1 |
| <i>DCAF4L1</i> | 0.16835844 | 0.00228907 | 1 |
| <i>TOMM20L</i> | 0.16832916 | 0.00229318 | 1 |
| <i>GAL</i> | 0.16829234 | 0.00229835 | 1 |
| <i>CXorf65</i> | 0.16791875 | 0.00235142 | 1 |
| <i>C19orf70</i> | 0.16762272 | 0.00239427 | 1 |
| <i>FRG1</i> | 0.16749395 | 0.00241313 | 1 |
| <i>CLVS1</i> | 0.1674731 | 0.00241619 | 1 |
| <i>ANKRD31</i> | 0.16743797 | 0.00242137 | 1 |
| <i>CCDC126</i> | 0.16743457 | 0.00242187 | 1 |
| <i>CITED4</i> | 0.16740417 | 0.00242635 | 1 |
| <i>CISD1</i> | 0.16739505 | 0.0024277 | 1 |
| <i>ZGLP1</i> | 0.16735373 | 0.00243381 | 1 |
| <i>SSR2</i> | 0.16733797 | 0.00243615 | 1 |
| <i>SLC24A2</i> | 0.16732218 | 0.00243849 | 1 |
| <i>ZNF765</i> | 0.16727677 | 0.00244524 | 1 |
| <i>PAPOLG</i> | 0.16710708 | 0.0024706 | 1 |
| <i>PKD1L1</i> | 0.16697697 | 0.00249021 | 1 |

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| <i>SPAG4</i> | 0.16692803 | 0.00249762 | 1 |
| <i>TNRC18</i> | 0.16687861 | 0.00250512 | 1 |
| <i>FBXO21</i> | 0.16677502 | 0.00252092 | 1 |
| <i>LTA4H</i> | 0.16667025 | 0.00253699 | 1 |
| <i>LOC1002681</i> | 0.1666429 | 0.0025412 | 1 |
| <i>INGX</i> | 0.16662365 | 0.00254417 | 1 |
| <i>SPRR2A</i> | 0.166585 | 0.00255014 | 1 |
| <i>CMTM1</i> | 0.16654354 | 0.00255655 | 1 |
| <i>LOC1001297</i> | 0.1665304 | 0.00255859 | 1 |
| <i>NBPF6</i> | 0.1664368 | 0.00257314 | 1 |
| <i>RPL32P3</i> | 0.16640228 | 0.00257852 | 1 |
| <i>C8orf37</i> | 0.16624679 | 0.0026029 | 1 |
| <i>TFRC</i> | 0.16620557 | 0.0026094 | 1 |
| <i>C4orf52</i> | 0.16619856 | 0.00261051 | 1 |
| <i>1-Dec</i> | 0.16615372 | 0.00261759 | 1 |
| <i>C10orf47</i> | 0.16611106 | 0.00262435 | 1 |
| <i>LOC1001338</i> | 0.16609524 | 0.00262687 | 1 |
| <i>ARSH</i> | 0.16571944 | 0.00268716 | 1 |
| <i>TMSB15A</i> | 0.16571548 | 0.0026878 | 1 |
| <i>UBE2MP1</i> | 0.16570514 | 0.00268948 | 1 |
| <i>ZNF700</i> | 0.16567616 | 0.00269418 | 1 |
| <i>KREMEN2</i> | 0.16565639 | 0.00269739 | 1 |
| <i>COL22A1</i> | 0.1655737 | 0.00271088 | 1 |
| <i>ALDH1B1</i> | 0.16555791 | 0.00271346 | 1 |
| <i>PLA2G16</i> | 0.16547701 | 0.00272671 | 1 |
| <i>TBL1XR1</i> | 0.16533946 | 0.0027494 | 1 |
| <i>MRPL12</i> | 0.16533867 | 0.00274953 | 1 |
| <i>DNAJC30</i> | 0.16531166 | 0.002754 | 1 |
| <i>CCDC28B</i> | 0.16515204 | 0.00278057 | 1 |
| <i>ZNF214</i> | 0.16509463 | 0.00279019 | 1 |
| <i>ZNF556</i> | 0.16505766 | 0.0027964 | 1 |
| <i>OAZ1</i> | 0.16503667 | 0.00279993 | 1 |
| <i>BCDIN3D</i> | 0.16483339 | 0.00283432 | 1 |
| <i>CHCHD1</i> | 0.16474968 | 0.0028486 | 1 |
| <i>RNF215</i> | 0.16463803 | 0.00286774 | 1 |
| <i>PDE12</i> | 0.16456995 | 0.00287947 | 1 |
| <i>IFT57</i> | 0.16448047 | 0.00289495 | 1 |
| <i>GUSBP1</i> | 0.16446152 | 0.00289824 | 1 |
| <i>HOXA3</i> | 0.16441937 | 0.00290557 | 1 |
| <i>C14orf153</i> | 0.16431672 | 0.00292348 | 1 |
| <i>RPPH1</i> | 0.16428994 | 0.00292817 | 1 |
| <i>PSMF1</i> | 0.16412332 | 0.00295751 | 1 |
| <i>DNMT3A</i> | 0.1640978 | 0.00296202 | 1 |
| <i>TAF1</i> | 0.16405904 | 0.00296889 | 1 |
| <i>LASS2</i> | 0.16404697 | 0.00297104 | 1 |
| <i>KRTAP3-3</i> | 0.16404695 | 0.00297104 | 1 |
| <i>C6orf162</i> | 0.16399139 | 0.00298092 | 1 |
| <i>NPIPL3</i> | 0.16393856 | 0.00299035 | 1 |
| <i>ATF1</i> | 0.16386054 | 0.00300431 | 1 |
| <i>LRRC8B</i> | 0.1638078 | 0.00301379 | 1 |
| <i>TMPRSS7</i> | 0.16374432 | 0.00302523 | 1 |

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| <i>LOC728613</i> | 0.16371418 | 0.00303067 | 1 |
| <i>VAMP7</i> | 0.16369308 | 0.00303449 | 1 |
| <i>EXOC2</i> | 0.16364456 | 0.00304328 | 1 |
| <i>IGF2BP3</i> | 0.16363774 | 0.00304452 | 1 |
| <i>STAG3L2</i> | 0.16362799 | 0.00304629 | 1 |
| <i>EPHA2</i> | 0.16345009 | 0.00307877 | 1 |
| <i>GNAT1</i> | 0.16341241 | 0.00308569 | 1 |
| <i>OR10H1</i> | 0.1633672 | 0.00309401 | 1 |
| <i>HERC2P2</i> | 0.1633121 | 0.00310417 | 1 |
| <i>HMOX2</i> | 0.16325793 | 0.0031142 | 1 |
| <i>ADAMTSL5</i> | 0.16321218 | 0.00312269 | 1 |
| <i>CYP4F11</i> | 0.16320209 | 0.00312456 | 1 |
| <i>TRPM2</i> | 0.16320174 | 0.00312463 | 1 |
| <i>DBNDD2</i> | 0.16317285 | 0.00313 | 1 |
| <i>LOC1001306</i> | 0.16309998 | 0.0031436 | 1 |
| <i>KIAA0182</i> | 0.16306886 | 0.00314942 | 1 |
| <i>NHS</i> | 0.16296108 | 0.00316966 | 1 |
| <i>GNMT</i> | 0.16291738 | 0.0031779 | 1 |
| <i>MLLT3</i> | 0.16282268 | 0.00319582 | 1 |
| <i>PGD</i> | 0.16272667 | 0.00321409 | 1 |
| <i>AP2S1</i> | 0.16272005 | 0.00321535 | 1 |
| <i>FAM178B</i> | 0.16268822 | 0.00322143 | 1 |
| <i>RNF181</i> | 0.16264235 | 0.0032302 | 1 |
| <i>OXSM</i> | 0.16262728 | 0.00323309 | 1 |
| <i>PSMC1</i> | 0.16250933 | 0.00325578 | 1 |
| <i>APOLD1</i> | 0.16242807 | 0.0032715 | 1 |
| <i>MORN4</i> | 0.16240792 | 0.0032754 | 1 |
| <i>C16orf70</i> | 0.16238362 | 0.00328012 | 1 |
| <i>SENP6</i> | 0.16237148 | 0.00328248 | 1 |
| <i>LOC645166</i> | 0.16226028 | 0.00330416 | 1 |
| <i>MMP8</i> | 0.16224658 | 0.00330684 | 1 |
| <i>RNF41</i> | 0.16221236 | 0.00331355 | 1 |
| <i>SNORA72</i> | 0.16217113 | 0.00332164 | 1 |
| <i>TRAF4</i> | 0.1621706 | 0.00332174 | 1 |
| <i>NCRNA0020</i> | 0.16206788 | 0.00334198 | 1 |
| <i>FAM186B</i> | 0.16206251 | 0.00334305 | 1 |
| <i>EIF3F</i> | 0.1620108 | 0.00335328 | 1 |
| <i>OTP</i> | 0.16196292 | 0.00336278 | 1 |
| <i>SRD5A2</i> | 0.1619424 | 0.00336686 | 1 |
| <i>PPP3R1</i> | 0.16191482 | 0.00337235 | 1 |
| <i>NRF1</i> | 0.16189147 | 0.00337701 | 1 |
| <i>TSNAX-DISC</i> | 0.16186112 | 0.00338307 | 1 |
| <i>PCBP2</i> | 0.16181732 | 0.00339183 | 1 |
| <i>SPAG17</i> | 0.16176916 | 0.00340148 | 1 |
| <i>LOC729375</i> | 0.16162964 | 0.0034296 | 1 |
| <i>SGIP1</i> | 0.16158419 | 0.00343881 | 1 |
| <i>MAGEA4</i> | 0.16157204 | 0.00344127 | 1 |
| <i>EXOSC6</i> | 0.16156209 | 0.00344329 | 1 |
| <i>EIF2AK2</i> | 0.16151615 | 0.00345263 | 1 |
| <i>MANSC1</i> | 0.16151325 | 0.00345322 | 1 |
| <i>FAM3C</i> | 0.16142163 | 0.00347191 | 1 |

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| <i>EPST11</i> | 0.16137589 | 0.00348128 | 1 |
| <i>CUX1</i> | 0.16130443 | 0.00349596 | 1 |
| <i>PCDHGA1</i> | 0.16125886 | 0.00350535 | 1 |
| <i>KIF25</i> | 0.16114808 | 0.00352827 | 1 |
| <i>BBS2</i> | 0.16110752 | 0.0035367 | 1 |
| <i>EXOC6</i> | 0.16104734 | 0.00354924 | 1 |
| <i>SNORA23</i> | 0.1609957 | 0.00356003 | 1 |
| <i>C14orf19</i> | 0.16097263 | 0.00356486 | 1 |
| <i>NXF2</i> | 0.16086076 | 0.00358837 | 1 |
| <i>HOXA11</i> | 0.16081395 | 0.00359824 | 1 |
| <i>ZNF550</i> | 0.16080723 | 0.00359966 | 1 |
| <i>ACTL8</i> | 0.16072774 | 0.0036165 | 1 |
| <i>LGR6</i> | 0.16058075 | 0.00364782 | 1 |
| <i>ZNF142</i> | 0.1605391 | 0.00365674 | 1 |
| <i>POLR2J3</i> | 0.16045939 | 0.00367386 | 1 |
| <i>CFTR</i> | 0.16038185 | 0.00369059 | 1 |
| <i>CENPV</i> | 0.16022241 | 0.0037252 | 1 |
| <i>PITPNC1</i> | 0.16018247 | 0.00373392 | 1 |
| <i>PGM2</i> | 0.16000579 | 0.0037727 | 1 |
| <i>HEMK1</i> | 0.15997219 | 0.00378011 | 1 |
| <i>CXCL17</i> | 0.15995205 | 0.00378457 | 1 |
| <i>PHIP</i> | 0.15994945 | 0.00378514 | 1 |
| <i>CHMP4B</i> | 0.15985755 | 0.00380551 | 1 |
| <i>PXMP4</i> | 0.15983071 | 0.00381148 | 1 |
| <i>PPP1R7</i> | 0.15982844 | 0.00381199 | 1 |
| <i>ARPC1B</i> | 0.15980001 | 0.00381832 | 1 |
| <i>CDH7</i> | 0.15957614 | 0.00386853 | 1 |
| <i>SLC6A4</i> | 0.15955136 | 0.00387412 | 1 |
| <i>C15orf62</i> | 0.15954312 | 0.00387598 | 1 |
| <i>SLC39A1</i> | 0.1595287 | 0.00387924 | 1 |
| <i>RAD9B</i> | 0.15928252 | 0.00393528 | 1 |
| <i>C10orf82</i> | 0.15923901 | 0.00394525 | 1 |
| <i>ASB4</i> | 0.15922669 | 0.00394808 | 1 |
| <i>SLC4A8</i> | 0.15918998 | 0.00395653 | 1 |
| <i>GNG10</i> | 0.15917816 | 0.00395925 | 1 |
| <i>NCRNA0011</i> | 0.15915922 | 0.00396361 | 1 |
| <i>H2AFJ</i> | 0.15908165 | 0.00398154 | 1 |
| <i>TMEM31</i> | 0.15905202 | 0.0039884 | 1 |
| <i>RFX8</i> | 0.15904219 | 0.00399068 | 1 |
| <i>GPATCH1</i> | 0.15901435 | 0.00399715 | 1 |
| <i>ZNF630</i> | 0.15896691 | 0.00400818 | 1 |
| <i>LRIT1</i> | 0.15894721 | 0.00401278 | 1 |
| <i>F2R</i> | 0.15889725 | 0.00402444 | 1 |
| <i>PSMC3</i> | 0.15888514 | 0.00402727 | 1 |
| <i>PRSS45</i> | 0.15888049 | 0.00402836 | 1 |
| <i>LOC1001314</i> | 0.15878622 | 0.00405047 | 1 |
| <i>HIST1H4E</i> | 0.15875288 | 0.00405832 | 1 |
| <i>LGTN</i> | 0.15871395 | 0.0040675 | 1 |
| <i>NPAS2</i> | 0.15864859 | 0.00408295 | 1 |
| <i>BSPRY</i> | 0.15862938 | 0.0040875 | 1 |
| <i>TLL5</i> | 0.15857583 | 0.00410022 | 1 |

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|-------------------|------------|------------|---|
| <i>MMACHC</i> | 0.15835104 | 0.00415398 | 1 |
| <i>MKKS</i> | 0.15830188 | 0.00416582 | 1 |
| <i>REV1</i> | 0.15816787 | 0.00419826 | 1 |
| <i>APOA2</i> | 0.15800991 | 0.00423678 | 1 |
| <i>C4orf40</i> | 0.15793098 | 0.00425615 | 1 |
| <i>STRA13</i> | 0.15786979 | 0.00427122 | 1 |
| <i>LOC1001889</i> | 0.15783578 | 0.00427962 | 1 |
| <i>VDAC3</i> | 0.15781752 | 0.00428413 | 1 |
| <i>PTPN1</i> | 0.15775528 | 0.00429955 | 1 |
| <i>DTNBP1</i> | 0.15770607 | 0.00431178 | 1 |
| <i>SSR4</i> | 0.15767477 | 0.00431957 | 1 |
| <i>UHRF1BP1</i> | 0.15746622 | 0.00437183 | 1 |
| <i>GPR157</i> | 0.15741045 | 0.0043859 | 1 |
| <i>EPB41L2</i> | 0.15736846 | 0.00439652 | 1 |
| <i>MYST1</i> | 0.15734704 | 0.00440195 | 1 |
| <i>VPS36</i> | 0.15728582 | 0.00441749 | 1 |
| <i>RAPGEF4</i> | 0.15727909 | 0.0044192 | 1 |
| <i>MTRR</i> | 0.15710208 | 0.00446444 | 1 |
| <i>LOC730668</i> | 0.15706297 | 0.00447449 | 1 |
| <i>LOC595101</i> | 0.15702698 | 0.00448376 | 1 |
| <i>CNGA2</i> | 0.15702218 | 0.004485 | 1 |
| <i>SLCO1B1</i> | 0.15698506 | 0.00449457 | 1 |
| <i>FAH</i> | 0.15691644 | 0.00451233 | 1 |
| <i>DHDH</i> | 0.15678379 | 0.00454683 | 1 |
| <i>ZNF669</i> | 0.15671055 | 0.00456599 | 1 |
| <i>LOC340074</i> | 0.15651258 | 0.00461812 | 1 |
| <i>HIAT1</i> | 0.15645988 | 0.00463209 | 1 |
| <i>ZNF34</i> | 0.15638282 | 0.00465258 | 1 |
| <i>EGR4</i> | 0.15636501 | 0.00465733 | 1 |
| <i>HNRNPH2</i> | 0.15634925 | 0.00466154 | 1 |
| <i>RAB3GAP2</i> | 0.15628757 | 0.00467803 | 1 |
| <i>B4GALT6</i> | 0.15623174 | 0.004693 | 1 |
| <i>SBK1</i> | 0.15616954 | 0.00470973 | 1 |
| <i>C1orf87</i> | 0.15610497 | 0.00472716 | 1 |
| <i>NPHP4</i> | 0.15610011 | 0.00472847 | 1 |
| <i>TMEM89</i> | 0.15606973 | 0.00473669 | 1 |
| <i>COG3</i> | 0.15606126 | 0.00473898 | 1 |
| <i>EXTL2</i> | 0.15602231 | 0.00474955 | 1 |
| <i>MUTYH</i> | 0.15598329 | 0.00476015 | 1 |
| <i>LSM1</i> | 0.15597272 | 0.00476303 | 1 |
| <i>PHC2</i> | 0.15593644 | 0.00477291 | 1 |
| <i>NSUN4</i> | 0.15591068 | 0.00477994 | 1 |
| <i>SPO11</i> | 0.15583038 | 0.00480191 | 1 |
| <i>DERL1</i> | 0.15570763 | 0.00483567 | 1 |
| <i>KRT38</i> | 0.15563792 | 0.00485494 | 1 |
| <i>LPAL2</i> | 0.15563113 | 0.00485682 | 1 |
| <i>ZNF90</i> | 0.15560303 | 0.00486461 | 1 |
| <i>SLC38A6</i> | 0.15556436 | 0.00487534 | 1 |
| <i>CYP26A1</i> | 0.15556131 | 0.00487619 | 1 |
| <i>LOC442421</i> | 0.15541273 | 0.00491765 | 1 |
| <i>ZNF607</i> | 0.15528617 | 0.00495322 | 1 |

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| <i>ATP11C</i> | 0.15515586 | 0.00499008 | 1 |
| <i>TUFT1</i> | 0.1551322 | 0.0049968 | 1 |
| <i>LOC402644</i> | 0.15509634 | 0.005007 | 1 |
| <i>REN</i> | 0.15509353 | 0.0050078 | 1 |
| <i>IZUMO1</i> | 0.15506525 | 0.00501586 | 1 |
| <i>KDM1B</i> | 0.15498786 | 0.00503797 | 1 |
| <i>FLJ30679</i> | 0.15497395 | 0.00504195 | 1 |
| <i>SAMD12</i> | 0.1547792 | 0.00509802 | 1 |
| <i>C10orf113</i> | 0.15477521 | 0.00509917 | 1 |
| <i>KRT74</i> | 0.15472968 | 0.00511236 | 1 |
| <i>DNLZ</i> | 0.15463192 | 0.00514079 | 1 |
| <i>OR5M11</i> | 0.15461783 | 0.0051449 | 1 |
| <i>FBXL19</i> | 0.15456691 | 0.00515978 | 1 |
| <i>RAET1G</i> | 0.15448099 | 0.00518496 | 1 |
| <i>EPYC</i> | 0.15447139 | 0.00518778 | 1 |
| <i>TAB3</i> | 0.15445082 | 0.00519383 | 1 |
| <i>IRAK4</i> | 0.15444605 | 0.00519524 | 1 |
| <i>DPY19L3</i> | 0.15438041 | 0.00521459 | 1 |
| <i>TMLHE</i> | 0.15437498 | 0.00521619 | 1 |
| <i>SLC22A15</i> | 0.1541672 | 0.00527789 | 1 |
| <i>MYLK4</i> | 0.15416387 | 0.00527888 | 1 |
| <i>CAMSAP1</i> | 0.15400838 | 0.00532549 | 1 |
| <i>FZR1</i> | 0.15399874 | 0.00532839 | 1 |
| <i>CST6</i> | 0.15389876 | 0.00535857 | 1 |
| <i>FAM105A</i> | 0.15383294 | 0.00537852 | 1 |
| <i>C6orf25</i> | 0.1537565 | 0.00540177 | 1 |
| <i>LTBR</i> | 0.15366468 | 0.00542982 | 1 |
| <i>CST5</i> | 0.15360838 | 0.00544709 | 1 |
| <i>PFDN5</i> | 0.15356785 | 0.00545955 | 1 |
| <i>OSCP1</i> | 0.15349222 | 0.00548286 | 1 |
| <i>WNT3A</i> | 0.15341435 | 0.00550697 | 1 |
| <i>PRO0628</i> | 0.15332309 | 0.00553533 | 1 |
| <i>HRAS</i> | 0.15328189 | 0.00554818 | 1 |
| <i>HIST3H2BB</i> | 0.15317666 | 0.00558112 | 1 |
| <i>C11orf51</i> | 0.15314731 | 0.00559034 | 1 |
| <i>LSM10</i> | 0.15313936 | 0.00559284 | 1 |
| <i>SSX4</i> | 0.15308947 | 0.00560855 | 1 |
| <i>RDH14</i> | 0.15308695 | 0.00560935 | 1 |
| <i>SPTLC1</i> | 0.15307012 | 0.00561465 | 1 |
| <i>SNRNP200</i> | 0.15305488 | 0.00561946 | 1 |
| <i>C15orf54</i> | 0.1530199 | 0.00563052 | 1 |
| <i>PRPF38A</i> | 0.15301113 | 0.0056333 | 1 |
| <i>ZNF577</i> | 0.15290126 | 0.00566817 | 1 |
| <i>WWP1</i> | 0.1528214 | 0.00569364 | 1 |
| <i>CCDC154</i> | 0.15280631 | 0.00569846 | 1 |
| <i>TBCD</i> | 0.15278882 | 0.00570406 | 1 |
| <i>LAIR2</i> | 0.1526953 | 0.00573406 | 1 |
| <i>IFT46</i> | 0.15264439 | 0.00575045 | 1 |
| <i>CASP8</i> | 0.15263868 | 0.00575229 | 1 |
| <i>CSF3</i> | 0.15241406 | 0.00582514 | 1 |
| <i>HIST1H4L</i> | 0.15233643 | 0.00585051 | 1 |

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|------------------|------------|------------|---|
| <i>C8orf40</i> | 0.15226507 | 0.00587392 | 1 |
| <i>MMS19</i> | 0.15221355 | 0.00589087 | 1 |
| <i>RNF126</i> | 0.15221172 | 0.00589148 | 1 |
| <i>KLHL12</i> | 0.15207039 | 0.00593821 | 1 |
| <i>SSTR5</i> | 0.15206337 | 0.00594054 | 1 |
| <i>C9orf122</i> | 0.1519887 | 0.00596537 | 1 |
| <i>P4HA3</i> | 0.15198367 | 0.00596705 | 1 |
| <i>GYG1</i> | 0.15193101 | 0.00598462 | 1 |
| <i>C6orf150</i> | 0.15192908 | 0.00598527 | 1 |
| <i>MAGEB6</i> | 0.15186699 | 0.00600605 | 1 |
| <i>ITCH</i> | 0.15177965 | 0.00603539 | 1 |
| <i>15-Sep</i> | 0.15175508 | 0.00604367 | 1 |
| <i>PDPN</i> | 0.15171882 | 0.00605591 | 1 |
| <i>CCDC23</i> | 0.1516717 | 0.00607184 | 1 |
| <i>CELF5</i> | 0.15166486 | 0.00607416 | 1 |
| <i>ZNF614</i> | 0.15163438 | 0.00608448 | 1 |
| <i>SFRP4</i> | 0.15148539 | 0.0061352 | 1 |
| <i>SNORD97</i> | 0.15147765 | 0.00613785 | 1 |
| <i>LOC388955</i> | 0.15146866 | 0.00614093 | 1 |
| <i>GOLGA8A</i> | 0.1514372 | 0.00615169 | 1 |
| <i>PRSS50</i> | 0.15118598 | 0.00623828 | 1 |
| <i>SNHG3-RCC</i> | 0.15117246 | 0.00624297 | 1 |
| <i>NOS3</i> | 0.1511635 | 0.00624608 | 1 |
| <i>CPLX1</i> | 0.1511211 | 0.00626082 | 1 |
| <i>SCAI</i> | 0.1510366 | 0.00629028 | 1 |
| <i>PJA1</i> | 0.15096135 | 0.00631663 | 1 |
| <i>KISS1R</i> | 0.15092267 | 0.0063302 | 1 |
| <i>CLDN6</i> | 0.15084268 | 0.00635837 | 1 |
| <i>RNF113B</i> | 0.15077693 | 0.0063816 | 1 |
| <i>SEC22A</i> | 0.15068335 | 0.00641481 | 1 |
| <i>PRR4</i> | 0.15066563 | 0.00642111 | 1 |
| <i>HOXB9</i> | 0.15065042 | 0.00642653 | 1 |
| <i>CECR4</i> | 0.15060776 | 0.00644174 | 1 |
| <i>ZDHHC8</i> | 0.15059612 | 0.0064459 | 1 |
| <i>FCF1</i> | 0.15054794 | 0.00646312 | 1 |
| <i>HESRG</i> | 0.15051481 | 0.00647499 | 1 |
| <i>PIGH</i> | 0.15051291 | 0.00647567 | 1 |
| <i>SPSB2</i> | 0.15049242 | 0.00648303 | 1 |
| <i>LZTS1</i> | 0.15043215 | 0.0065047 | 1 |
| <i>XIRP1</i> | 0.15042901 | 0.00650583 | 1 |
| <i>OSBPL8</i> | 0.15037771 | 0.00652432 | 1 |
| <i>TMEM101</i> | 0.15035136 | 0.00653384 | 1 |
| <i>TUFM</i> | 0.15033651 | 0.00653921 | 1 |
| <i>DVL1</i> | 0.15027 | 0.00656332 | 1 |
| <i>CLP1</i> | 0.15014966 | 0.00660713 | 1 |
| <i>KRTAP10-6</i> | 0.15007766 | 0.00663347 | 1 |
| <i>AIP</i> | 0.1500711 | 0.00663587 | 1 |
| <i>FLJ43950</i> | 0.14999872 | 0.00666245 | 1 |
| <i>COL1A1</i> | 0.14994252 | 0.00668315 | 1 |
| <i>METT5D1</i> | 0.14991026 | 0.00669506 | 1 |
| <i>DBX1</i> | 0.14986641 | 0.00671128 | 1 |

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|-------------------|------------|------------|---|
| <i>ADAMTS4</i> | 0.14985342 | 0.00671609 | 1 |
| <i>PFAS</i> | 0.14980272 | 0.0067349 | 1 |
| <i>ALG13</i> | 0.1496179 | 0.00680387 | 1 |
| <i>FAM9A</i> | 0.14953901 | 0.0068335 | 1 |
| <i>FXD4</i> | 0.14952216 | 0.00683984 | 1 |
| <i>RBM18</i> | 0.14948538 | 0.00685371 | 1 |
| <i>TMEM154</i> | 0.14935347 | 0.00690364 | 1 |
| <i>ZNF717</i> | 0.14928642 | 0.00692915 | 1 |
| <i>PUM2</i> | 0.14921553 | 0.0069562 | 1 |
| <i>CCDC130</i> | 0.14906996 | 0.00701206 | 1 |
| <i>ROBLD3</i> | 0.14891198 | 0.00707314 | 1 |
| <i>C9orf153</i> | 0.14890879 | 0.00707438 | 1 |
| <i>WDR72</i> | 0.14871108 | 0.00715149 | 1 |
| <i>IFITM5</i> | 0.14868258 | 0.00716267 | 1 |
| <i>ALS2CR8</i> | 0.14867895 | 0.00716409 | 1 |
| <i>CMTM6</i> | 0.14866326 | 0.00717025 | 1 |
| <i>DYNLT1</i> | 0.14856105 | 0.00721051 | 1 |
| <i>IGSF22</i> | 0.14854584 | 0.00721652 | 1 |
| <i>IL24</i> | 0.14848338 | 0.00724123 | 1 |
| <i>SNORA71A</i> | 0.14828057 | 0.00732201 | 1 |
| <i>PDIA3P</i> | 0.14826848 | 0.00732685 | 1 |
| <i>PELO</i> | 0.14823404 | 0.00734066 | 1 |
| <i>KCNV2</i> | 0.14818984 | 0.00735841 | 1 |
| <i>VCP</i> | 0.1480784 | 0.00740333 | 1 |
| <i>C19orf62</i> | 0.14802994 | 0.00742295 | 1 |
| <i>LCLAT1</i> | 0.14796804 | 0.00744807 | 1 |
| <i>RHBDD2</i> | 0.14792733 | 0.00746463 | 1 |
| <i>FTL</i> | 0.14792184 | 0.00746686 | 1 |
| <i>WASH5P</i> | 0.14785811 | 0.00749286 | 1 |
| <i>C5orf24</i> | 0.14781401 | 0.0075109 | 1 |
| <i>C14orf68</i> | 0.14777947 | 0.00752506 | 1 |
| <i>GPC4</i> | 0.14770425 | 0.00755596 | 1 |
| <i>LRRC42</i> | 0.14759436 | 0.00760133 | 1 |
| <i>C11orf65</i> | 0.14751941 | 0.0076324 | 1 |
| <i>TMEM128</i> | 0.14750218 | 0.00763956 | 1 |
| <i>PKM2</i> | 0.14739958 | 0.00768232 | 1 |
| <i>MMADHC</i> | 0.1473701 | 0.00769465 | 1 |
| <i>NOMO1</i> | 0.14722952 | 0.00775367 | 1 |
| <i>SNORD15B</i> | 0.14706283 | 0.00782417 | 1 |
| <i>NCRNA0018</i> | 0.14702082 | 0.00784203 | 1 |
| <i>OXGR1</i> | 0.14682749 | 0.00792469 | 1 |
| <i>SPON2</i> | 0.14682345 | 0.00792642 | 1 |
| <i>ZNF266</i> | 0.14681658 | 0.00792937 | 1 |
| <i>FLJ16779</i> | 0.14676403 | 0.00795199 | 1 |
| <i>HNRNPM</i> | 0.14675997 | 0.00795374 | 1 |
| <i>LOC1001309</i> | 0.14674967 | 0.00795818 | 1 |
| <i>LARP4B</i> | 0.14671514 | 0.00797308 | 1 |
| <i>UGT1A6</i> | 0.14671391 | 0.00797361 | 1 |
| <i>PKP3</i> | 0.14668289 | 0.00798702 | 1 |
| <i>C9orf82</i> | 0.14667461 | 0.0079906 | 1 |
| <i>OR1J2</i> | 0.14666261 | 0.00799579 | 1 |

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|-------------------|------------|------------|---|
| <i>ZBTB8OS</i> | 0.14658144 | 0.00803101 | 1 |
| <i>NFKBIE</i> | 0.14652406 | 0.00805598 | 1 |
| <i>ZNF330</i> | 0.14652244 | 0.00805669 | 1 |
| <i>PRDX3</i> | 0.1465136 | 0.00806054 | 1 |
| <i>C11orf70</i> | 0.14633759 | 0.00813763 | 1 |
| <i>C11orf74</i> | 0.14612584 | 0.00823123 | 1 |
| <i>IFITM2</i> | 0.14604676 | 0.00826644 | 1 |
| <i>WFDC11</i> | 0.14601339 | 0.00828133 | 1 |
| <i>PPFIA3</i> | 0.14594693 | 0.00831107 | 1 |
| <i>GHRHR</i> | 0.14590978 | 0.00832773 | 1 |
| <i>PDS5A</i> | 0.14589599 | 0.00833392 | 1 |
| <i>RPL13AP20</i> | 0.14585993 | 0.00835014 | 1 |
| <i>CCDC103</i> | 0.14583968 | 0.00835926 | 1 |
| <i>DHX33</i> | 0.14576324 | 0.00839375 | 1 |
| <i>RBM33</i> | 0.14560922 | 0.00846365 | 1 |
| <i>HIST1H3G</i> | 0.14558577 | 0.00847433 | 1 |
| <i>CSRP2BP</i> | 0.14555066 | 0.00849036 | 1 |
| <i>SPRN</i> | 0.14551366 | 0.00850727 | 1 |
| <i>TMEM177</i> | 0.14549606 | 0.00851533 | 1 |
| <i>R3HDM2</i> | 0.14547797 | 0.00852362 | 1 |
| <i>PLEKHA3</i> | 0.14546986 | 0.00852733 | 1 |
| <i>SPIRE2</i> | 0.14539868 | 0.00856003 | 1 |
| <i>MRPS6</i> | 0.1453789 | 0.00856913 | 1 |
| <i>SECISBP2</i> | 0.14533911 | 0.00858747 | 1 |
| <i>OCA2</i> | 0.14531525 | 0.00859849 | 1 |
| <i>WDR33</i> | 0.14529817 | 0.00860638 | 1 |
| <i>NDNL2</i> | 0.14525387 | 0.00862688 | 1 |
| <i>MAP4K4</i> | 0.1452101 | 0.00864718 | 1 |
| <i>HIST1H4B</i> | 0.14512985 | 0.00868451 | 1 |
| <i>SLC16A4</i> | 0.14509526 | 0.00870064 | 1 |
| <i>TM2D1</i> | 0.14507094 | 0.008712 | 1 |
| <i>GOLGA8DP</i> | 0.1450688 | 0.008713 | 1 |
| <i>CAB39L</i> | 0.14494638 | 0.00877039 | 1 |
| <i>CEP63</i> | 0.1449308 | 0.00877771 | 1 |
| <i>POLL</i> | 0.14482064 | 0.00882968 | 1 |
| <i>CLCN4</i> | 0.14480854 | 0.0088354 | 1 |
| <i>NXF5</i> | 0.14473671 | 0.00886945 | 1 |
| <i>C9orf71</i> | 0.144693 | 0.00889023 | 1 |
| <i>EIF4B</i> | 0.14467347 | 0.00889953 | 1 |
| <i>C2orf43</i> | 0.14462747 | 0.00892146 | 1 |
| <i>AGPHD1</i> | 0.14451368 | 0.00897592 | 1 |
| <i>KRT31</i> | 0.14451025 | 0.00897757 | 1 |
| <i>SNORD22</i> | 0.14450272 | 0.00898118 | 1 |
| <i>FBXO2</i> | 0.14447621 | 0.00899392 | 1 |
| <i>ANKRD33</i> | 0.14442151 | 0.00902025 | 1 |
| <i>TRDMT1</i> | 0.14434165 | 0.00905882 | 1 |
| <i>SPP1</i> | 0.14428186 | 0.00908779 | 1 |
| <i>HHLA1</i> | 0.14426236 | 0.00909725 | 1 |
| <i>LOC728723</i> | 0.14424933 | 0.00910359 | 1 |
| <i>LOC1001323</i> | 0.14417473 | 0.0091399 | 1 |
| <i>PVRL1</i> | 0.14416461 | 0.00914484 | 1 |

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|--------------------|------------|------------|---|
| <i>FAM38A</i> | 0.1441353 | 0.00915915 | 1 |
| <i>SDCCAG8</i> | 0.14411673 | 0.00916823 | 1 |
| <i>C19orf25</i> | 0.14402994 | 0.00921076 | 1 |
| <i>HOXA9</i> | 0.14398467 | 0.00923301 | 1 |
| <i>WDR54</i> | 0.14393979 | 0.00925512 | 1 |
| <i>OR6A2</i> | 0.14372077 | 0.00936369 | 1 |
| <i>PMF1</i> | 0.14358582 | 0.00943115 | 1 |
| <i>CDH26</i> | 0.14356508 | 0.00944156 | 1 |
| <i>SPARC</i> | 0.1435628 | 0.0094427 | 1 |
| <i>SSR1</i> | 0.14352166 | 0.00946337 | 1 |
| <i>TMEM40</i> | 0.14344951 | 0.00949973 | 1 |
| <i>CAPS</i> | 0.14342308 | 0.00951308 | 1 |
| <i>MRPL39</i> | 0.14340248 | 0.00952349 | 1 |
| <i>PAPD4</i> | 0.14339282 | 0.00952838 | 1 |
| <i>SPATA5</i> | 0.14337102 | 0.00953942 | 1 |
| <i>CALR</i> | 0.14328581 | 0.00958267 | 1 |
| <i>C20orf12</i> | 0.14317421 | 0.00963958 | 1 |
| <i>CALML6</i> | 0.14310955 | 0.00967269 | 1 |
| <i>GTF2I</i> | 0.1430367 | 0.00971012 | 1 |
| <i>TTC14</i> | 0.1430072 | 0.00972531 | 1 |
| <i>ARL6IP4</i> | 0.14299774 | 0.00973018 | 1 |
| <i>CCDC132</i> | 0.14296391 | 0.00974764 | 1 |
| <i>CXorf38</i> | 0.14279962 | 0.0098328 | 1 |
| <i>? 100133144</i> | 0.14274866 | 0.00985935 | 1 |
| <i>C17orf57</i> | 0.14270053 | 0.00988449 | 1 |
| <i>CCDC7</i> | 0.1426934 | 0.00988822 | 1 |
| <i>LOC1002717</i> | 0.14266333 | 0.00990395 | 1 |
| <i>CSNK2A1</i> | 0.14260804 | 0.00993295 | 1 |
| <i>NDUFA3</i> | 0.14259942 | 0.00993747 | 1 |
| <i>NR6A1</i> | 0.14251821 | 0.00998021 | 1 |
| <i>DMRTA2</i> | 0.14241465 | 0.01003495 | 1 |
| <i>LGALS7</i> | 0.14236065 | 0.0100636 | 1 |
| <i>LOC442459</i> | 0.14234375 | 0.01007258 | 1 |
| <i>HEXB</i> | 0.14229751 | 0.01009719 | 1 |
| <i>B3GALTL</i> | 0.1422975 | 0.0100972 | 1 |
| <i>BAZ1A</i> | 0.14228887 | 0.01010179 | 1 |
| <i>ZNF318</i> | 0.14220291 | 0.0101477 | 1 |
| <i>MVD</i> | 0.14220112 | 0.01014866 | 1 |
| <i>SYS1-DBNDL</i> | 0.14196307 | 0.01027677 | 1 |
| <i>LCE1E</i> | 0.14188617 | 0.01031846 | 1 |
| <i>TRAM1</i> | 0.14185222 | 0.01033691 | 1 |
| <i>PDHA1</i> | 0.14173906 | 0.01039863 | 1 |
| <i>DGCR5</i> | 0.14162229 | 0.01046266 | 1 |
| <i>LOC143188</i> | 0.14155738 | 0.0104984 | 1 |
| <i>HSD11B1L</i> | 0.14151309 | 0.01052285 | 1 |
| <i>UROC1</i> | 0.1414142 | 0.01057762 | 1 |
| <i>TCN1</i> | 0.1413522 | 0.01061209 | 1 |
| <i>FAM111A</i> | 0.14134148 | 0.01061806 | 1 |
| <i>ACSS1</i> | 0.14131094 | 0.01063509 | 1 |
| <i>OR512</i> | 0.14124043 | 0.01067448 | 1 |
| <i>RBP1</i> | 0.1411942 | 0.01070039 | 1 |

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|-------------------|------------|------------|---|
| <i>ATP7B</i> | 0.14107683 | 0.01076639 | 1 |
| <i>MOSPD2</i> | 0.14103735 | 0.01078868 | 1 |
| <i>UNKL</i> | 0.14097879 | 0.0108218 | 1 |
| <i>ASB18</i> | 0.14092624 | 0.01085161 | 1 |
| <i>FREM2</i> | 0.14091827 | 0.01085614 | 1 |
| <i>PDIA3</i> | 0.14087643 | 0.01087993 | 1 |
| <i>JMJD7-PLA2</i> | 0.14085452 | 0.0108924 | 1 |
| <i>ACRV1</i> | 0.14083542 | 0.0109033 | 1 |
| <i>SNHG9</i> | 0.14071233 | 0.01097369 | 1 |
| <i>CUZD1</i> | 0.14067053 | 0.01099768 | 1 |
| <i>SENP2</i> | 0.1406524 | 0.01100811 | 1 |
| <i>GCLM</i> | 0.14062545 | 0.01102361 | 1 |
| <i>GUCY2GP</i> | 0.14051536 | 0.01108717 | 1 |
| <i>KIAA1147</i> | 0.14040446 | 0.01115152 | 1 |
| <i>ZNF468</i> | 0.14039457 | 0.01115727 | 1 |
| <i>ZNF709</i> | 0.14031554 | 0.01120335 | 1 |
| <i>OBP2A</i> | 0.14025518 | 0.01123866 | 1 |
| <i>ITGBL1</i> | 0.14023657 | 0.01124956 | 1 |
| <i>TDG</i> | 0.1401692 | 0.01128912 | 1 |
| <i>GRSF1</i> | 0.14009666 | 0.01133185 | 1 |
| <i>HNRNPUL1</i> | 0.14008694 | 0.01133758 | 1 |
| <i>ALX1</i> | 0.14007142 | 0.01134675 | 1 |
| <i>NDUFB9</i> | 0.14004689 | 0.01136125 | 1 |
| <i>C1QTNF1</i> | 0.13994377 | 0.01142238 | 1 |
| <i>STOML3</i> | 0.13992163 | 0.01143554 | 1 |
| <i>TSIX</i> | 0.13991712 | 0.01143822 | 1 |
| <i>HESX1</i> | 0.13987193 | 0.01146514 | 1 |
| <i>EIF4A2</i> | 0.13982542 | 0.0114929 | 1 |
| <i>ABCB10</i> | 0.1398098 | 0.01150223 | 1 |
| <i>CST9</i> | 0.13979127 | 0.01151331 | 1 |
| <i>HPYR1</i> | 0.13976896 | 0.01152667 | 1 |
| <i>YTHDC1</i> | 0.13974732 | 0.01153964 | 1 |
| <i>LOC1002718</i> | 0.13960975 | 0.01162238 | 1 |
| <i>FGF21</i> | 0.1395848 | 0.01163744 | 1 |
| <i>LY6G5B</i> | 0.13950506 | 0.0116857 | 1 |
| <i>EIF1</i> | 0.13946032 | 0.01171285 | 1 |
| <i>TOX3</i> | 0.13944941 | 0.01171948 | 1 |
| <i>MSH3</i> | 0.13943116 | 0.01173058 | 1 |
| <i>RPL9</i> | 0.13936393 | 0.01177154 | 1 |
| <i>APOBEC1</i> | 0.13918468 | 0.01188138 | 1 |
| <i>VSIG8</i> | 0.13918263 | 0.01188263 | 1 |
| <i>LOC152024</i> | 0.13916899 | 0.01189103 | 1 |
| <i>LOC399744</i> | 0.13912023 | 0.01192109 | 1 |
| <i>SUSD3</i> | 0.13911348 | 0.01192525 | 1 |
| <i>SNORA10</i> | 0.13907967 | 0.01194614 | 1 |
| <i>TEAD2</i> | 0.1389554 | 0.01202318 | 1 |
| <i>PLEKHA5</i> | 0.13895282 | 0.01202478 | 1 |
| <i>RNF151</i> | 0.13886894 | 0.01207704 | 1 |
| <i>TMEM84</i> | 0.13882915 | 0.01210189 | 1 |
| <i>ANXA4</i> | 0.13882188 | 0.01210644 | 1 |
| <i>CLDND1</i> | 0.13860762 | 0.01224112 | 1 |

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| <i>CGB5</i> | 0.13860264 | 0.01224427 | 1 |
| <i>CBLN1</i> | 0.13859543 | 0.01224882 | 1 |
| <i>PLDN</i> | 0.13855119 | 0.01227681 | 1 |
| <i>DDOST</i> | 0.13853464 | 0.01228729 | 1 |
| <i>C6orf195</i> | 0.13852909 | 0.01229081 | 1 |
| <i>ELF1</i> | 0.13849158 | 0.01231461 | 1 |
| <i>DISC2</i> | 0.13848607 | 0.01231811 | 1 |
| <i>NPIP</i> | 0.13835262 | 0.01240312 | 1 |
| <i>TFAMP1</i> | 0.13821371 | 0.01249217 | 1 |
| <i>SERHL</i> | 0.13817193 | 0.01251906 | 1 |
| <i>USP21</i> | 0.13815449 | 0.0125303 | 1 |
| <i>PHF13</i> | 0.13815278 | 0.01253141 | 1 |
| <i>MVK</i> | 0.13810758 | 0.01256058 | 1 |
| <i>CDAN1</i> | 0.13806593 | 0.01258752 | 1 |
| <i>ALG6</i> | 0.13785894 | 0.01272215 | 1 |
| <i>AK3L1</i> | 0.13778549 | 0.01277023 | 1 |
| <i>MBIP</i> | 0.13776127 | 0.01278611 | 1 |
| <i>LBX2</i> | 0.13775837 | 0.01278801 | 1 |
| <i>LHX3</i> | 0.1377248 | 0.01281007 | 1 |
| <i>CHN2</i> | 0.13761538 | 0.01288218 | 1 |
| <i>RPS6KB2</i> | 0.13760893 | 0.01288645 | 1 |
| <i>MAPKAP1</i> | 0.1375671 | 0.01291412 | 1 |
| <i>ADCK2</i> | 0.13748189 | 0.01297065 | 1 |
| <i>RGR</i> | 0.13744596 | 0.01299455 | 1 |
| <i>SPATA21</i> | 0.13730853 | 0.01308633 | 1 |
| <i>TMUB1</i> | 0.13728298 | 0.01310346 | 1 |
| <i>HKR1</i> | 0.13724198 | 0.01313099 | 1 |
| <i>IDI1</i> | 0.13724176 | 0.01313113 | 1 |
| <i>LYSMD2</i> | 0.13721362 | 0.01315005 | 1 |
| <i>MTG1</i> | 0.13720253 | 0.01315752 | 1 |
| <i>ANXA2P3</i> | 0.1371915 | 0.01316494 | 1 |
| <i>PRSS53</i> | 0.13706178 | 0.01325256 | 1 |
| <i>ZNF629</i> | 0.13679063 | 0.01343736 | 1 |
| <i>POLR2B</i> | 0.13671808 | 0.01348719 | 1 |
| <i>ADAM17</i> | 0.13671186 | 0.01349147 | 1 |
| <i>NDP</i> | 0.136667 | 0.01352237 | 1 |
| <i>KDM3A</i> | 0.13657943 | 0.01358287 | 1 |
| <i>TMEM109</i> | 0.13652105 | 0.01362333 | 1 |
| <i>ZBTB44</i> | 0.13644555 | 0.01367582 | 1 |
| <i>FNBP1L</i> | 0.13639273 | 0.01371265 | 1 |
| <i>XAGE3</i> | 0.13633307 | 0.01375435 | 1 |
| <i>C14orf166B</i> | 0.13628724 | 0.01378645 | 1 |
| <i>MIER2</i> | 0.13626579 | 0.01380151 | 1 |
| <i>TBX6</i> | 0.13621391 | 0.01383797 | 1 |
| <i>SYCP2L</i> | 0.13618738 | 0.01385665 | 1 |
| <i>C10orf67</i> | 0.13617852 | 0.01386289 | 1 |
| <i>FAM131B</i> | 0.13614903 | 0.01388369 | 1 |
| <i>BAT2</i> | 0.13609968 | 0.01391855 | 1 |
| <i>LOC1001305</i> | 0.13608539 | 0.01392866 | 1 |
| <i>ARFGEF1</i> | 0.13604808 | 0.01395509 | 1 |
| <i>RASA1</i> | 0.13603034 | 0.01396767 | 1 |

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| <i>TCP11</i> | 0.13598604 | 0.01399913 | 1 |
| <i>RFX3</i> | 0.13598081 | 0.01400285 | 1 |
| <i>EP400NL</i> | 0.13596317 | 0.01401539 | 1 |
| <i>IL13RA2</i> | 0.13595001 | 0.01402476 | 1 |
| <i>NCDN</i> | 0.13579032 | 0.01413886 | 1 |
| <i>ATXN10</i> | 0.13575329 | 0.01416544 | 1 |
| <i>NDUFA12</i> | 0.13567669 | 0.01422055 | 1 |
| <i>SMARCB1</i> | 0.13554074 | 0.01431883 | 1 |
| <i>GTF2F1</i> | 0.13551465 | 0.01433775 | 1 |
| <i>TBX4</i> | 0.13545797 | 0.01437896 | 1 |
| <i>SAA4</i> | 0.13534185 | 0.01446368 | 1 |
| <i>HMGN5</i> | 0.13523617 | 0.01454116 | 1 |
| <i>C4orf23</i> | 0.13520573 | 0.01456355 | 1 |
| <i>CHD4</i> | 0.13508432 | 0.01465315 | 1 |
| <i>VGLL4</i> | 0.13507997 | 0.01465636 | 1 |
| <i>HOXC11</i> | 0.13507034 | 0.01466349 | 1 |
| <i>CAPZA2</i> | 0.13505883 | 0.01467201 | 1 |
| <i>INSIG2</i> | 0.13505231 | 0.01467685 | 1 |
| <i>LOC644669</i> | 0.13485355 | 0.01482477 | 1 |
| <i>C18orf21</i> | 0.13484504 | 0.01483113 | 1 |
| <i>MCM5</i> | 0.13476303 | 0.01489257 | 1 |
| <i>SLC4A7</i> | 0.13472637 | 0.01492011 | 1 |
| <i>PAEP</i> | 0.13453946 | 0.01506119 | 1 |
| <i>RNF115</i> | 0.13453645 | 0.01506348 | 1 |
| <i>SEC23B</i> | 0.13450185 | 0.01508972 | 1 |
| <i>TFPT</i> | 0.13448221 | 0.01510464 | 1 |
| <i>SLC5A1</i> | 0.13432926 | 0.01522125 | 1 |
| <i>IL17D</i> | 0.13431611 | 0.01523132 | 1 |
| <i>DCAF12</i> | 0.13424899 | 0.01528277 | 1 |
| <i>TMEM81</i> | 0.13418626 | 0.015331 | 1 |
| <i>IKBKB</i> | 0.13417862 | 0.01533688 | 1 |
| <i>HIST1H2BI</i> | 0.13399771 | 0.01547675 | 1 |
| <i>HOXC12</i> | 0.13399214 | 0.01548108 | 1 |
| <i>ADM2</i> | 0.13396185 | 0.01550462 | 1 |
| <i>ZNF419</i> | 0.13389833 | 0.01555407 | 1 |
| <i>DKK2</i> | 0.1338131 | 0.01562064 | 1 |
| <i>RASSF1</i> | 0.1338116 | 0.01562181 | 1 |
| <i>IL12A</i> | 0.13376274 | 0.0156601 | 1 |
| <i>LOC642826</i> | 0.13369425 | 0.0157139 | 1 |
| <i>RAB7L1</i> | 0.1335984 | 0.01578946 | 1 |
| <i>RTN4R</i> | 0.13359531 | 0.0157919 | 1 |
| <i>YIPF6</i> | 0.13359187 | 0.01579461 | 1 |
| <i>ARHGEF1</i> | 0.13358918 | 0.01579674 | 1 |
| <i>HIST1H2BN</i> | 0.13358583 | 0.01579938 | 1 |
| <i>GOLGA7</i> | 0.13349433 | 0.01587186 | 1 |
| <i>OLFML2B</i> | 0.1334818 | 0.0158818 | 1 |
| <i>GDAP1</i> | 0.13344683 | 0.01590959 | 1 |
| <i>C10orf137</i> | 0.13335988 | 0.01597887 | 1 |
| <i>PARP1</i> | 0.13334104 | 0.01599391 | 1 |
| <i>CFB</i> | 0.13332478 | 0.01600691 | 1 |
| <i>GKAP1</i> | 0.13331375 | 0.01601572 | 1 |

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| <i>ATP9A</i> | 0.13324645 | 0.01606964 | 1 |
| <i>SNORA63</i> | 0.13323078 | 0.01608221 | 1 |
| <i>GDI2</i> | 0.13307898 | 0.01620448 | 1 |
| <i>WFS1</i> | 0.13305072 | 0.01622733 | 1 |
| <i>ERCC5</i> | 0.13302978 | 0.01624428 | 1 |
| <i>VAV2</i> | 0.13299055 | 0.01627607 | 1 |
| <i>CCL26</i> | 0.13294623 | 0.01631207 | 1 |
| <i>PLAG1</i> | 0.13290919 | 0.0163422 | 1 |
| <i>SUGT1L1</i> | 0.13288613 | 0.01636098 | 1 |
| <i>SCARNA23</i> | 0.13279831 | 0.01643268 | 1 |
| <i>IGF2AS</i> | 0.13278998 | 0.0164395 | 1 |
| <i>GTF3C2</i> | 0.13274374 | 0.01647738 | 1 |
| <i>ACSL3</i> | 0.13268418 | 0.01652628 | 1 |
| <i>METAP1</i> | 0.1326205 | 0.01657871 | 1 |
| <i>CRYGS</i> | 0.13258437 | 0.01660852 | 1 |
| <i>CAMSAP1L1</i> | 0.13253994 | 0.01664524 | 1 |
| <i>LPAR2</i> | 0.13249334 | 0.01668383 | 1 |
| <i>P4HA1</i> | 0.13249295 | 0.01668415 | 1 |
| <i>POLRMT</i> | 0.13248068 | 0.01669433 | 1 |
| <i>C19orf36</i> | 0.13239386 | 0.01676648 | 1 |
| <i>COMMD4</i> | 0.13228034 | 0.01686122 | 1 |
| <i>GAST</i> | 0.13213968 | 0.01697926 | 1 |
| <i>LYPD6B</i> | 0.13213029 | 0.01698718 | 1 |
| <i>CHSY3</i> | 0.13209404 | 0.01701772 | 1 |
| <i>VAR2</i> | 0.13208977 | 0.01702133 | 1 |
| <i>HS3ST4</i> | 0.13204453 | 0.01705953 | 1 |
| <i>LAD1</i> | 0.13203182 | 0.01707027 | 1 |
| <i>ZNF22</i> | 0.13201647 | 0.01708326 | 1 |
| <i>OPALIN</i> | 0.13199133 | 0.01710454 | 1 |
| <i>LDHC</i> | 0.13171451 | 0.01734048 | 1 |
| <i>EXOC1</i> | 0.13164822 | 0.0173974 | 1 |
| <i>KBTBD10</i> | 0.13161591 | 0.0174252 | 1 |
| <i>AHSG</i> | 0.1316101 | 0.01743021 | 1 |
| <i>ZNF470</i> | 0.13160628 | 0.0174335 | 1 |
| <i>MBD4</i> | 0.13157614 | 0.01745947 | 1 |
| <i>CHDH</i> | 0.13154686 | 0.01748474 | 1 |
| <i>NDUFS6</i> | 0.13153353 | 0.01749626 | 1 |
| <i>SRRM5</i> | 0.13147466 | 0.0175472 | 1 |
| <i>SLC9A5</i> | 0.13146944 | 0.01755172 | 1 |
| <i>AKT1S1</i> | 0.13139658 | 0.01761495 | 1 |
| <i>C3orf10</i> | 0.13134827 | 0.01765699 | 1 |
| <i>TBC1D15</i> | 0.13129991 | 0.01769916 | 1 |
| <i>TM2D2</i> | 0.1312709 | 0.01772449 | 1 |
| <i>S1PR5</i> | 0.13115803 | 0.01782338 | 1 |
| <i>CCBL2</i> | 0.1310843 | 0.01788823 | 1 |
| <i>GTF2H2C</i> | 0.13108182 | 0.01789041 | 1 |
| <i>TRIM54</i> | 0.13108083 | 0.01789129 | 1 |
| <i>NCRNA0011</i> | 0.13106878 | 0.0179019 | 1 |
| <i>NXPH4</i> | 0.13103755 | 0.01792946 | 1 |
| <i>ZNF2</i> | 0.13102173 | 0.01794342 | 1 |
| <i>C3orf63</i> | 0.13095639 | 0.01800122 | 1 |

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| <i>FRG2C</i> | 0.13083182 | 0.01811187 | 1 |
| <i>NCOA3</i> | 0.13078655 | 0.01815222 | 1 |
| <i>PDCD10</i> | 0.13074485 | 0.01818947 | 1 |
| <i>RPL41</i> | 0.13065208 | 0.01827256 | 1 |
| <i>POU2F1</i> | 0.13064683 | 0.01827727 | 1 |
| <i>C4orf47</i> | 0.13054986 | 0.0183645 | 1 |
| <i>C1orf128</i> | 0.13048887 | 0.01841954 | 1 |
| <i>C3orf1</i> | 0.13036415 | 0.01853256 | 1 |
| <i>ANGPTL3</i> | 0.13028953 | 0.01860047 | 1 |
| <i>LETM2</i> | 0.1302769 | 0.01861199 | 1 |
| <i>DNASE2</i> | 0.13027574 | 0.01861304 | 1 |
| <i>C7orf53</i> | 0.13026321 | 0.01862447 | 1 |
| <i>RBM22</i> | 0.13026149 | 0.01862604 | 1 |
| <i>TCTN2</i> | 0.13024467 | 0.0186414 | 1 |
| <i>TAS2R19</i> | 0.13023142 | 0.0186535 | 1 |
| <i>MTCP1</i> | 0.13022727 | 0.0186573 | 1 |
| <i>TMEM145</i> | 0.13019114 | 0.01869034 | 1 |
| <i>LOC641298</i> | 0.13008254 | 0.01878997 | 1 |
| <i>MLH1</i> | 0.13004531 | 0.01882423 | 1 |
| <i>MTR</i> | 0.13001462 | 0.01885252 | 1 |
| <i>RASAL2</i> | 0.12993442 | 0.01892661 | 1 |
| <i>APOA5</i> | 0.12987873 | 0.0189782 | 1 |
| <i>ETNK2</i> | 0.12983379 | 0.01901993 | 1 |
| <i>DBNL</i> | 0.12976159 | 0.01908713 | 1 |
| <i>JARID2</i> | 0.12965117 | 0.0191903 | 1 |
| <i>SCXB</i> | 0.12963577 | 0.01920473 | 1 |
| <i>DNAJB13</i> | 0.1296317 | 0.01920855 | 1 |
| <i>RNASET2</i> | 0.12958124 | 0.0192559 | 1 |
| <i>SEMA4C</i> | 0.12956456 | 0.01927157 | 1 |
| <i>RILPL1</i> | 0.12936347 | 0.01946142 | 1 |
| <i>LGALS7B</i> | 0.12908582 | 0.01972621 | 1 |
| <i>ZNF555</i> | 0.12904633 | 0.01976411 | 1 |
| <i>ZDHHC24</i> | 0.12899217 | 0.01981621 | 1 |
| <i>KRT6C</i> | 0.12896219 | 0.01984511 | 1 |
| <i>TUBGCP4</i> | 0.12895671 | 0.0198504 | 1 |
| <i>SAR1A</i> | 0.12891547 | 0.0198902 | 1 |
| <i>DEPDC6</i> | 0.12886973 | 0.01993444 | 1 |
| <i>SPINK1</i> | 0.12877035 | 0.02003086 | 1 |
| <i>GLB1L2</i> | 0.12867359 | 0.02012511 | 1 |
| <i>C9orf86</i> | 0.12865447 | 0.02014378 | 1 |
| <i>FGF8</i> | 0.12862467 | 0.02017291 | 1 |
| <i>KRTAP8-1</i> | 0.12862336 | 0.02017419 | 1 |
| <i>ACAT2</i> | 0.1286138 | 0.02018355 | 1 |
| <i>LOC91149</i> | 0.1285447 | 0.02025126 | 1 |
| <i>LOC253039</i> | 0.12852685 | 0.0202688 | 1 |
| <i>CYC1</i> | 0.12848251 | 0.02031239 | 1 |
| <i>KPTN</i> | 0.12841295 | 0.02038093 | 1 |
| <i>C7orf4</i> | 0.12841156 | 0.02038231 | 1 |
| <i>MRPL44</i> | 0.12833885 | 0.02045417 | 1 |
| <i>C19orf63</i> | 0.12831044 | 0.02048231 | 1 |
| <i>KRT39</i> | 0.12823622 | 0.02055599 | 1 |

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| <i>C19orf59</i> | 0.12820394 | 0.02058811 | 1 |
| <i>FBXO47</i> | 0.12804952 | 0.02074235 | 1 |
| <i>ZMAT2</i> | 0.12796005 | 0.02083217 | 1 |
| <i>CGB</i> | 0.12791602 | 0.0208765 | 1 |
| <i>TTY7</i> | 0.12773319 | 0.02106144 | 1 |
| <i>NDUFAF3</i> | 0.1277124 | 0.02108256 | 1 |
| <i>C3orf75</i> | 0.12766689 | 0.02112885 | 1 |
| <i>KRTAP4-1</i> | 0.12761136 | 0.02118547 | 1 |
| <i>PARVB</i> | 0.12756126 | 0.02123665 | 1 |
| <i>C19orf44</i> | 0.12753706 | 0.02126141 | 1 |
| <i>PPP2R2C</i> | 0.12748677 | 0.02131296 | 1 |
| <i>WFDC9</i> | 0.1274504 | 0.0213503 | 1 |
| <i>KCNRG</i> | 0.12737222 | 0.02143076 | 1 |
| <i>WTAP</i> | 0.12734399 | 0.02145987 | 1 |
| <i>PLEKHA2</i> | 0.12734301 | 0.02146089 | 1 |
| <i>FAM75A2</i> | 0.12731027 | 0.0214947 | 1 |
| <i>KGFLP1</i> | 0.12729272 | 0.02151284 | 1 |
| <i>EEA1</i> | 0.12713918 | 0.02167215 | 1 |
| <i>LOC1001314</i> | 0.12705582 | 0.02175907 | 1 |
| <i>SLC9A7</i> | 0.12700575 | 0.02181142 | 1 |
| <i>C1orf63</i> | 0.12693317 | 0.0218875 | 1 |
| <i>IDH2</i> | 0.12692966 | 0.0218912 | 1 |
| <i>SLC6A3</i> | 0.12687492 | 0.02194874 | 1 |
| <i>RNF139</i> | 0.12672197 | 0.02211022 | 1 |
| <i>RP1L1</i> | 0.12663923 | 0.02219799 | 1 |
| <i>WDR41</i> | 0.12662184 | 0.02221647 | 1 |
| <i>OCM2</i> | 0.12660792 | 0.02223128 | 1 |
| <i>C14orf105</i> | 0.12652854 | 0.0223159 | 1 |
| <i>C10orf79</i> | 0.12643812 | 0.0224126 | 1 |
| <i>RPS26P11</i> | 0.12638176 | 0.02247307 | 1 |
| <i>DCP1A</i> | 0.12636658 | 0.02248939 | 1 |
| <i>PREPL</i> | 0.1262924 | 0.02256924 | 1 |
| <i>DEFA6</i> | 0.12614799 | 0.02272539 | 1 |
| <i>CARKD</i> | 0.1260373 | 0.02284572 | 1 |
| <i>ATXN2</i> | 0.12602361 | 0.02286064 | 1 |
| <i>MOV10L1</i> | 0.12599998 | 0.0228864 | 1 |
| <i>MAGEA3</i> | 0.12596905 | 0.02292018 | 1 |
| <i>ZCCHC3</i> | 0.12592951 | 0.02296342 | 1 |
| <i>PEX13</i> | 0.12583495 | 0.02306709 | 1 |
| <i>SNORA71D</i> | 0.12583001 | 0.02307252 | 1 |
| <i>RPS6KB1</i> | 0.12573898 | 0.02317274 | 1 |
| <i>IL1F5</i> | 0.12573007 | 0.02318257 | 1 |
| <i>TPR</i> | 0.12564267 | 0.02327918 | 1 |
| <i>SEC16B</i> | 0.12563162 | 0.02329142 | 1 |
| <i>KRT4</i> | 0.12560541 | 0.02332047 | 1 |
| <i>POLR2J2</i> | 0.12560459 | 0.02332138 | 1 |
| <i>AIRE</i> | 0.12560324 | 0.02332288 | 1 |
| <i>C17orf93</i> | 0.12557972 | 0.02334897 | 1 |
| <i>CEP120</i> | 0.12551226 | 0.02342398 | 1 |
| <i>NRD1</i> | 0.12543336 | 0.02351196 | 1 |
| <i>METTL11B</i> | 0.12541228 | 0.02353552 | 1 |

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| <i>RAB20</i> | 0.12537343 | 0.02357898 | 1 |
| <i>KRT6A</i> | 0.12535359 | 0.02360121 | 1 |
| <i>FAM19A5</i> | 0.12530681 | 0.02365367 | 1 |
| <i>LOC253724</i> | 0.12516977 | 0.02380796 | 1 |
| <i>MFSD8</i> | 0.12513965 | 0.023842 | 1 |
| <i>DDB1</i> | 0.12500978 | 0.0239892 | 1 |
| <i>SLC30A6</i> | 0.12481261 | 0.02421418 | 1 |
| <i>OR52K1</i> | 0.12479298 | 0.02423667 | 1 |
| <i>PREP</i> | 0.12473861 | 0.02429908 | 1 |
| <i>NMNAT3</i> | 0.1247186 | 0.02432209 | 1 |
| <i>FAM136B</i> | 0.12469992 | 0.02434357 | 1 |
| <i>JRK</i> | 0.12465779 | 0.02439211 | 1 |
| <i>TERT</i> | 0.12451004 | 0.02456297 | 1 |
| <i>ZNF664</i> | 0.12446512 | 0.02461511 | 1 |
| <i>ALS2</i> | 0.12441225 | 0.02467662 | 1 |
| <i>ZNF823</i> | 0.12425716 | 0.0248578 | 1 |
| <i>CHM</i> | 0.12419789 | 0.02492733 | 1 |
| <i>GTPBP8</i> | 0.12415011 | 0.02498351 | 1 |
| <i>IYD</i> | 0.12413172 | 0.02500516 | 1 |
| <i>ZNF497</i> | 0.12398889 | 0.02517389 | 1 |
| <i>COPS7A</i> | 0.12387886 | 0.02530454 | 1 |
| <i>SIX2</i> | 0.12381912 | 0.02537571 | 1 |
| <i>SOCS4</i> | 0.12364376 | 0.02558563 | 1 |
| <i>NOSIP</i> | 0.12363397 | 0.02559741 | 1 |
| <i>BLMH</i> | 0.1236246 | 0.02560866 | 1 |
| <i>C19orf42</i> | 0.12358396 | 0.02565757 | 1 |
| <i>OR4F29</i> | 0.12353953 | 0.02571112 | 1 |
| <i>KEAP1</i> | 0.12342879 | 0.02584502 | 1 |
| <i>WISP3</i> | 0.12340865 | 0.02586944 | 1 |
| <i>GCC1</i> | 0.12331589 | 0.02598215 | 1 |
| <i>PSMD1</i> | 0.12328467 | 0.02602019 | 1 |
| <i>THOC5</i> | 0.12323695 | 0.02607841 | 1 |
| <i>NPW</i> | 0.12319505 | 0.02612962 | 1 |
| <i>ZNF76</i> | 0.12317055 | 0.02615961 | 1 |
| <i>NBPF22P</i> | 0.12314851 | 0.02618661 | 1 |
| <i>ZNF703</i> | 0.1231244 | 0.02621618 | 1 |
| <i>LOC1001336</i> | 0.12312074 | 0.02622066 | 1 |
| <i>SERHL2</i> | 0.12307109 | 0.02628165 | 1 |
| <i>UBE2H</i> | 0.12303129 | 0.02633062 | 1 |
| <i>SCOC</i> | 0.12300793 | 0.0263594 | 1 |
| <i>FREM1</i> | 0.12299675 | 0.02637318 | 1 |
| <i>TEKT5</i> | 0.12282778 | 0.02658225 | 1 |
| <i>SYMPK</i> | 0.12282584 | 0.02658466 | 1 |
| <i>KRT16</i> | 0.122692 | 0.02675129 | 1 |
| <i>RWDD3</i> | 0.12261135 | 0.02685213 | 1 |
| <i>KDELR3</i> | 0.12249985 | 0.02699208 | 1 |
| <i>HOXB3</i> | 0.12240531 | 0.02711123 | 1 |
| <i>FAM193B</i> | 0.12233172 | 0.02720429 | 1 |
| <i>KDM5C</i> | 0.12229415 | 0.0272519 | 1 |
| <i>SLC39A13</i> | 0.1221764 | 0.02740161 | 1 |
| <i>OTUD5</i> | 0.12215984 | 0.02742271 | 1 |

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| <i>FGFBP3</i> | 0.12209236 | 0.02750889 | 1 |
| <i>BSCL2</i> | 0.122026 | 0.02759384 | 1 |
| <i>NDUFB5</i> | 0.12201037 | 0.0276139 | 1 |
| <i>LOC440354</i> | 0.12189235 | 0.02776565 | 1 |
| <i>LOC80154</i> | 0.12181661 | 0.02786342 | 1 |
| <i>ABCB8</i> | 0.12172573 | 0.02798111 | 1 |
| <i>NKTR</i> | 0.12171751 | 0.02799178 | 1 |
| <i>RAVER1</i> | 0.1216741 | 0.02804816 | 1 |
| <i>FAM183A</i> | 0.12166829 | 0.02805572 | 1 |
| <i>SNORA56</i> | 0.12153939 | 0.02822378 | 1 |
| <i>GSTO2</i> | 0.12148559 | 0.02829418 | 1 |
| <i>AKAP1</i> | 0.12146163 | 0.02832557 | 1 |
| <i>ATG10</i> | 0.12143005 | 0.02836701 | 1 |
| <i>TNMD</i> | 0.12142842 | 0.02836914 | 1 |
| <i>BTN2A1</i> | 0.12142488 | 0.02837379 | 1 |
| <i>BCL9</i> | 0.12131087 | 0.02852383 | 1 |
| <i>ZSCAN2</i> | 0.12128064 | 0.02856373 | 1 |
| <i>OSBPL2</i> | 0.12101798 | 0.0289124 | 1 |
| <i>ONECUT1</i> | 0.12090155 | 0.02906812 | 1 |
| <i>PLK3</i> | 0.12085225 | 0.02913427 | 1 |
| <i>ZNF574</i> | 0.12083557 | 0.02915669 | 1 |
| <i>NPTX2</i> | 0.1208157 | 0.02918341 | 1 |
| <i>LOC1001280</i> | 0.12080597 | 0.02919649 | 1 |
| <i>ECT2L</i> | 0.12075803 | 0.02926106 | 1 |
| <i>LBP</i> | 0.12055663 | 0.02953366 | 1 |
| <i>RFPL2</i> | 0.12054838 | 0.02954487 | 1 |
| <i>IL17F</i> | 0.12037532 | 0.02978093 | 1 |
| <i>SLC39A6</i> | 0.12036835 | 0.02979046 | 1 |
| <i>FUBP1</i> | 0.12034367 | 0.02982428 | 1 |
| <i>FMO3</i> | 0.12033992 | 0.02982941 | 1 |
| <i>COX6C</i> | 0.1202221 | 0.02999127 | 1 |
| <i>LOC644145</i> | 0.12013297 | 0.03011421 | 1 |
| <i>ACTR8</i> | 0.12011721 | 0.03013599 | 1 |
| <i>TMEM49</i> | 0.12011542 | 0.03013846 | 1 |
| <i>C2orf83</i> | 0.12005308 | 0.03022477 | 1 |
| <i>EPB41L1</i> | 0.11999645 | 0.03030334 | 1 |
| <i>NCRNA0023</i> | 0.11995626 | 0.03035922 | 1 |
| <i>COL5A2</i> | 0.11995163 | 0.03036566 | 1 |
| <i>DPP9</i> | 0.11991677 | 0.0304142 | 1 |
| <i>ERCC1</i> | 0.11979685 | 0.0305817 | 1 |
| <i>SLC24A5</i> | 0.11973042 | 0.03067483 | 1 |
| <i>LOC550643</i> | 0.11972862 | 0.03067737 | 1 |
| <i>PROC</i> | 0.11969326 | 0.03072704 | 1 |
| <i>SHANK2</i> | 0.11952558 | 0.03096352 | 1 |
| <i>SPINLW1</i> | 0.11943782 | 0.03108791 | 1 |
| <i>TMEM176A</i> | 0.11942893 | 0.03110053 | 1 |
| <i>SNORA57</i> | 0.11938039 | 0.03116955 | 1 |
| <i>RGS20</i> | 0.11932393 | 0.03124997 | 1 |
| <i>BLOC1S2</i> | 0.11932135 | 0.03125366 | 1 |
| <i>KCNA10</i> | 0.1192672 | 0.03133098 | 1 |
| <i>GSX1</i> | 0.11917921 | 0.03145695 | 1 |

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| <i>LOC442308</i> | 0.11917219 | 0.03146703 | 1 |
| <i>MAGEA6</i> | 0.11913877 | 0.03151499 | 1 |
| <i>ELK4</i> | 0.11911208 | 0.03155336 | 1 |
| <i>SLC15A4</i> | 0.11904152 | 0.03165496 | 1 |
| <i>ACTL7B</i> | 0.11891968 | 0.03183106 | 1 |
| <i>ZBTB5</i> | 0.11879942 | 0.03200569 | 1 |
| <i>NXF1</i> | 0.11879214 | 0.0320163 | 1 |
| <i>ARSK</i> | 0.11871826 | 0.03212401 | 1 |
| <i>TMC7</i> | 0.11870004 | 0.03215063 | 1 |
| <i>B4GALNT4</i> | 0.11868506 | 0.03217252 | 1 |
| <i>FOXRED1</i> | 0.11864595 | 0.03222974 | 1 |
| <i>CSTB</i> | 0.1186019 | 0.0322943 | 1 |
| <i>CPB2</i> | 0.11854845 | 0.03237278 | 1 |
| <i>HDAC7</i> | 0.11854711 | 0.03237475 | 1 |
| <i>UQCRH</i> | 0.11833371 | 0.03268971 | 1 |
| <i>C16orf3</i> | 0.11819811 | 0.03289121 | 1 |
| <i>ETV7</i> | 0.11811754 | 0.03301143 | 1 |
| <i>C10orf95</i> | 0.117996 | 0.03319349 | 1 |
| <i>POU6F2</i> | 0.11799247 | 0.03319878 | 1 |
| <i>RGPD8</i> | 0.11797591 | 0.03322365 | 1 |
| <i>C9orf98</i> | 0.11797381 | 0.03322682 | 1 |
| <i>LOC728855</i> | 0.11792023 | 0.03330742 | 1 |
| <i>IDH3G</i> | 0.11791037 | 0.03332227 | 1 |
| <i>C6orf127</i> | 0.11790983 | 0.03332308 | 1 |
| <i>RNU4ATAC</i> | 0.11790901 | 0.03332432 | 1 |
| <i>ATP6AP1</i> | 0.11788919 | 0.03335418 | 1 |
| <i>MYBPC3</i> | 0.11777245 | 0.03353059 | 1 |
| <i>BEST3</i> | 0.11775562 | 0.03355609 | 1 |
| <i>LOC80054</i> | 0.11774492 | 0.0335723 | 1 |
| <i>SNORA67</i> | 0.1177131 | 0.03362058 | 1 |
| <i>SLC36A2</i> | 0.1176523 | 0.03371297 | 1 |
| <i>CHST4</i> | 0.11763776 | 0.0337351 | 1 |
| <i>ARL2</i> | 0.11749013 | 0.03396047 | 1 |
| <i>RASSF7</i> | 0.1174522 | 0.03401858 | 1 |
| <i>INE2</i> | 0.11739915 | 0.0341 | 1 |
| <i>ANKLE1</i> | 0.11738148 | 0.03412715 | 1 |
| <i>SULF1</i> | 0.11737393 | 0.03413877 | 1 |
| <i>RAB6A</i> | 0.11736733 | 0.03414891 | 1 |
| <i>FCHO1</i> | 0.11735744 | 0.03416414 | 1 |
| <i>GPKOW</i> | 0.11735006 | 0.03417549 | 1 |
| <i>DALRD3</i> | 0.11734602 | 0.03418171 | 1 |
| <i>SNUPN</i> | 0.11733843 | 0.0341934 | 1 |
| <i>PNPLA4</i> | 0.11733056 | 0.03420552 | 1 |
| <i>FAM96A</i> | 0.1172995 | 0.03425338 | 1 |
| <i>CRABP2</i> | 0.1172861 | 0.03427406 | 1 |
| <i>SMARCA5</i> | 0.1172495 | 0.03433057 | 1 |
| <i>PMCHL1</i> | 0.11718858 | 0.03442482 | 1 |
| <i>WARS2</i> | 0.11717411 | 0.03444722 | 1 |
| <i>ARSE</i> | 0.1171727 | 0.03444941 | 1 |
| <i>PANX2</i> | 0.11713012 | 0.03451545 | 1 |
| <i>KCNAB2</i> | 0.11710596 | 0.03455298 | 1 |

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| <i>ZNF510</i> | 0.1170954 | 0.03456938 | 1 |
| <i>MRPS21</i> | 0.11700634 | 0.03470804 | 1 |
| <i>HNRNPA0</i> | 0.11699933 | 0.03471898 | 1 |
| <i>HECW2</i> | 0.11693791 | 0.03481491 | 1 |
| <i>THUMPD1</i> | 0.11693144 | 0.03482503 | 1 |
| <i>PLEKHA4</i> | 0.11687346 | 0.0349158 | 1 |
| <i>ING3</i> | 0.11687276 | 0.0349169 | 1 |
| <i>KRT36</i> | 0.11675388 | 0.03510367 | 1 |
| <i>UTS2</i> | 0.11671623 | 0.03516301 | 1 |
| <i>CCDC40</i> | 0.11670615 | 0.03517891 | 1 |
| <i>LOC374491</i> | 0.1167047 | 0.03518119 | 1 |
| <i>DDX59</i> | 0.11664076 | 0.03528218 | 1 |
| <i>SLC37A4</i> | 0.11662746 | 0.03530323 | 1 |
| <i>DCDC1</i> | 0.11650914 | 0.03549087 | 1 |
| <i>OR2A12</i> | 0.11630976 | 0.03580896 | 1 |
| <i>IGFBP1</i> | 0.11628234 | 0.0358529 | 1 |
| <i>IPPK</i> | 0.11623233 | 0.03593316 | 1 |
| <i>SLC5A2</i> | 0.11619266 | 0.03599692 | 1 |
| <i>TLL3</i> | 0.11598599 | 0.03633068 | 1 |
| <i>HSPC157</i> | 0.11598458 | 0.03633296 | 1 |
| <i>C3orf39</i> | 0.11585779 | 0.03653903 | 1 |
| <i>BHLHB9</i> | 0.11584096 | 0.03656646 | 1 |
| <i>COLEC10</i> | 0.11582382 | 0.03659441 | 1 |
| <i>SNW1</i> | 0.11581179 | 0.03661403 | 1 |
| <i>ATP5G2</i> | 0.11576326 | 0.03669331 | 1 |
| <i>CDKN2AIP</i> | 0.11572683 | 0.03675291 | 1 |
| <i>LOC147804</i> | 0.11572615 | 0.03675402 | 1 |
| <i>ALDH5A1</i> | 0.11568191 | 0.03682652 | 1 |
| <i>C20orf144</i> | 0.11561361 | 0.03693867 | 1 |
| <i>C16orf11</i> | 0.11557223 | 0.03700677 | 1 |
| <i>ZC4H2</i> | 0.11547036 | 0.03717486 | 1 |
| <i>THAP2</i> | 0.11545084 | 0.03720713 | 1 |
| <i>C2CD4D</i> | 0.11539499 | 0.03729963 | 1 |
| <i>APOM</i> | 0.11538671 | 0.03731336 | 1 |
| <i>NEU3</i> | 0.11534357 | 0.03738496 | 1 |
| <i>FAHD2B</i> | 0.11532103 | 0.03742242 | 1 |
| <i>ANKHD1</i> | 0.11525507 | 0.03753221 | 1 |
| <i>CCL24</i> | 0.11511369 | 0.03776847 | 1 |
| <i>XAGE2</i> | 0.1150956 | 0.03779879 | 1 |
| <i>CYP2F1</i> | 0.11493717 | 0.03806521 | 1 |
| <i>LOC116437</i> | 0.11493148 | 0.03807481 | 1 |
| <i>PCGF3</i> | 0.11482685 | 0.03825167 | 1 |
| <i>IL33</i> | 0.11480624 | 0.03828658 | 1 |
| <i>CWF19L2</i> | 0.11472359 | 0.03842689 | 1 |
| <i>INHBB</i> | 0.11468672 | 0.03848962 | 1 |
| <i>CTBP2</i> | 0.11451252 | 0.03878717 | 1 |
| <i>FLJ13197</i> | 0.11447899 | 0.03884466 | 1 |
| <i>SKIL</i> | 0.11446586 | 0.0388672 | 1 |
| <i>ADAP1</i> | 0.11444377 | 0.03890514 | 1 |
| <i>LOC344967</i> | 0.11443434 | 0.03892133 | 1 |
| <i>C1orf185</i> | 0.11436718 | 0.0390369 | 1 |

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| <i>PPIAL4E</i> | 0.11430017 | 0.03915251 | 1 |
| <i>5-Mar</i> | 0.11427991 | 0.03918751 | 1 |
| <i>FLJ45445</i> | 0.11390997 | 0.03983142 | 1 |
| <i>RFC1</i> | 0.11388512 | 0.039875 | 1 |
| <i>RPP25</i> | 0.11386616 | 0.03990827 | 1 |
| <i>SPA17</i> | 0.11386232 | 0.03991501 | 1 |
| <i>VCX</i> | 0.11380709 | 0.04001207 | 1 |
| <i>SSX3</i> | 0.11372371 | 0.04015899 | 1 |
| <i>ABCA13</i> | 0.11368219 | 0.04023231 | 1 |
| <i>SFT2D1</i> | 0.11368143 | 0.04023366 | 1 |
| <i>MFRP</i> | 0.11355595 | 0.04045596 | 1 |
| <i>PLA2G2E</i> | 0.11349956 | 0.04055621 | 1 |
| <i>LYZL1</i> | 0.11348862 | 0.04057567 | 1 |
| <i>TREM1</i> | 0.11347487 | 0.04060016 | 1 |
| <i>PAX9</i> | 0.11343994 | 0.04066242 | 1 |
| <i>CASP6</i> | 0.11343642 | 0.04066869 | 1 |
| <i>LOC1001315</i> | 0.1134004 | 0.04073298 | 1 |
| <i>FBXW8</i> | 0.1133781 | 0.04077282 | 1 |
| <i>OR10X1</i> | 0.11333785 | 0.04084482 | 1 |
| <i>LOC389705</i> | 0.11329122 | 0.04092837 | 1 |
| <i>WASH3P</i> | 0.11319271 | 0.04110534 | 1 |
| <i>ABCF1</i> | 0.11315754 | 0.04116868 | 1 |
| <i>FRMD7</i> | 0.11309791 | 0.04127626 | 1 |
| <i>CSRNP2</i> | 0.11305288 | 0.04135765 | 1 |
| <i>SPRY1</i> | 0.11304937 | 0.041364 | 1 |
| <i>ODF3L2</i> | 0.11302892 | 0.04140102 | 1 |
| <i>PRB3</i> | 0.11298906 | 0.04147324 | 1 |
| <i>ATP13A1</i> | 0.11297987 | 0.0414899 | 1 |
| <i>PCBD2</i> | 0.11291514 | 0.04160747 | 1 |
| <i>LOC400696</i> | 0.11289987 | 0.04163523 | 1 |
| <i>ARID3C</i> | 0.11289557 | 0.04164306 | 1 |
| <i>INTS3</i> | 0.11288696 | 0.04165873 | 1 |
| <i>IL1F9</i> | 0.11283505 | 0.04175331 | 1 |
| <i>ANKAR</i> | 0.11281518 | 0.04178955 | 1 |
| <i>LHX5</i> | 0.11279303 | 0.04183 | 1 |
| <i>RNF24</i> | 0.11266558 | 0.04206332 | 1 |
| <i>FCRLB</i> | 0.11254445 | 0.0422861 | 1 |
| <i>SRMS</i> | 0.11247928 | 0.04240636 | 1 |
| <i>ARHGEF7</i> | 0.11240019 | 0.0425527 | 1 |
| <i>C19orf69</i> | 0.11227775 | 0.0427801 | 1 |
| <i>MTP18</i> | 0.11226766 | 0.04279888 | 1 |
| <i>STK32C</i> | 0.11224057 | 0.04284934 | 1 |
| <i>C9orf128</i> | 0.11212339 | 0.04306823 | 1 |
| <i>LOC729234</i> | 0.11211131 | 0.04309084 | 1 |
| <i>POLK</i> | 0.11209552 | 0.04312041 | 1 |
| <i>SLCO1A2</i> | 0.11208582 | 0.0431386 | 1 |
| <i>DYNC1I2</i> | 0.11207052 | 0.0431673 | 1 |
| <i>BTF3L1</i> | 0.11191115 | 0.04346706 | 1 |
| <i>SERGEF</i> | 0.11176994 | 0.04373414 | 1 |
| <i>LOC390858</i> | 0.11168136 | 0.04390237 | 1 |
| <i>CATSPER1</i> | 0.11166444 | 0.04393456 | 1 |

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| <i>ZNF20</i> | 0.11154309 | 0.04416606 | 1 |
| <i>TRRAP</i> | 0.1115039 | 0.04424104 | 1 |
| <i>KIAA1598</i> | 0.1114801 | 0.04428663 | 1 |
| <i>NHEG1</i> | 0.11135624 | 0.04452452 | 1 |
| <i>ACOT8</i> | 0.11135363 | 0.04452953 | 1 |
| <i>SMG5</i> | 0.11131987 | 0.04459457 | 1 |
| <i>NCKAP1</i> | 0.11112609 | 0.0449694 | 1 |
| <i>SLC10A3</i> | 0.11112199 | 0.04497735 | 1 |
| <i>KRTAP3-2</i> | 0.11109545 | 0.04502891 | 1 |
| <i>SIKE1</i> | 0.11097453 | 0.04526439 | 1 |
| <i>MEGF11</i> | 0.11088822 | 0.04543312 | 1 |
| <i>RAB40AL</i> | 0.11087159 | 0.04546568 | 1 |
| <i>ZNF529</i> | 0.11079732 | 0.04561138 | 1 |
| <i>SLC2A11</i> | 0.11072189 | 0.04575974 | 1 |
| <i>ZNF587</i> | 0.11071899 | 0.04576546 | 1 |
| <i>FAM71E2</i> | 0.11066145 | 0.04587892 | 1 |
| <i>MYH7B</i> | 0.11055403 | 0.04609138 | 1 |
| <i>TMSL3</i> | 0.11045469 | 0.04628858 | 1 |
| <i>CCDC46</i> | 0.11041098 | 0.04637558 | 1 |
| <i>C1orf86</i> | 0.11033927 | 0.0465186 | 1 |
| <i>STXBP6</i> | 0.11020817 | 0.04678102 | 1 |
| <i>POU5F1</i> | 0.11016731 | 0.04686305 | 1 |
| <i>FAM84A</i> | 0.11015368 | 0.04689046 | 1 |
| <i>PITRM1</i> | 0.11009558 | 0.04700738 | 1 |
| <i>OR1J4</i> | 0.1098523 | 0.04749962 | 1 |
| <i>ONECUT2</i> | 0.10981792 | 0.04756953 | 1 |
| <i>BAT5</i> | 0.10978092 | 0.04764487 | 1 |
| <i>UBXN2A</i> | 0.10976599 | 0.04767529 | 1 |
| <i>YY1</i> | 0.10968958 | 0.04783126 | 1 |
| <i>MICA</i> | 0.10956417 | 0.04808819 | 1 |
| <i>TBX19</i> | 0.10948206 | 0.04825704 | 1 |
| <i>MAZ</i> | 0.10947196 | 0.04827783 | 1 |
| <i>TAS2R14</i> | 0.10947033 | 0.04828119 | 1 |
| <i>IL1F10</i> | 0.10940427 | 0.04841745 | 1 |
| <i>AP1AR</i> | 0.10935398 | 0.04852138 | 1 |
| <i>TTC21B</i> | 0.10933829 | 0.04855386 | 1 |
| <i>USP28</i> | 0.10933451 | 0.04856167 | 1 |
| <i>ZNF160</i> | 0.10910584 | 0.04903698 | 1 |
| <i>DECR2</i> | 0.10908683 | 0.04907668 | 1 |
| <i>OSM</i> | 0.10900227 | 0.04925354 | 1 |
| <i>SP9</i> | 0.10899284 | 0.04927329 | 1 |
| <i>SEMA4F</i> | 0.10894429 | 0.04937513 | 1 |
| <i>RG9MTD2</i> | 0.10889856 | 0.04947119 | 1 |
| <i>ZNF841</i> | 0.10887119 | 0.04952876 | 1 |
| <i>EPO</i> | 0.10875252 | 0.04977903 | 1 |
| <i>SNORA18</i> | 0.10861297 | 0.05007467 | 1 |
| <i>C3orf32</i> | 0.10846906 | 0.05038112 | 1 |
| <i>C1orf52</i> | 0.10828858 | 0.05076761 | 1 |
| <i>KRT40</i> | 0.10819399 | 0.05097117 | 1 |
| <i>PNPLA8</i> | 0.10814527 | 0.05107627 | 1 |
| <i>SMUG1</i> | 0.10812038 | 0.05113003 | 1 |

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| <i>NHLRC1</i> | 0.1080815 | 0.05121412 | 1 |
| <i>ST6GAL1</i> | 0.10802158 | 0.05134393 | 1 |
| <i>RRN3P2</i> | 0.10797804 | 0.05143842 | 1 |
| <i>SLC38A2</i> | 0.10767349 | 0.05210344 | 1 |
| <i>VKORC1</i> | 0.10764283 | 0.05217079 | 1 |
| <i>HCG11</i> | 0.10751807 | 0.05244559 | 1 |
| <i>TTPA</i> | 0.10743319 | 0.05263322 | 1 |
| <i>FLJ25758</i> | 0.10735531 | 0.05280588 | 1 |
| <i>DYNLL1</i> | 0.10734356 | 0.05283195 | 1 |
| <i>TTY1B</i> | 0.10730105 | 0.05292644 | 1 |
| <i>SP3</i> | 0.10728316 | 0.05296625 | 1 |
| <i>C4orf27</i> | 0.10721212 | 0.05312455 | 1 |
| <i>PTMS</i> | 0.10715307 | 0.05325642 | 1 |
| <i>AMH</i> | 0.10712577 | 0.05331749 | 1 |
| <i>MAP3K10</i> | 0.10704851 | 0.05349062 | 1 |
| <i>TDRD6</i> | 0.10703077 | 0.05353043 | 1 |
| <i>ATF7IP2</i> | 0.10700997 | 0.05357714 | 1 |
| <i>CEP110</i> | 0.10698171 | 0.05364068 | 1 |
| <i>TPTE2P3</i> | 0.10696071 | 0.05368792 | 1 |
| <i>KRTAP10-4</i> | 0.10679842 | 0.05405423 | 1 |
| <i>C20orf118</i> | 0.10674416 | 0.05417716 | 1 |
| <i>CNPY1</i> | 0.10673245 | 0.05420373 | 1 |
| <i>KAAG1</i> | 0.10672188 | 0.05422771 | 1 |
| <i>RTP3</i> | 0.10668698 | 0.05430696 | 1 |
| <i>GPR4</i> | 0.1066312 | 0.05443383 | 1 |
| <i>ZBTB49</i> | 0.106623 | 0.0544525 | 1 |
| <i>LRRC47</i> | 0.10658055 | 0.05454926 | 1 |
| <i>ABL2</i> | 0.10657168 | 0.05456948 | 1 |
| <i>WWC3</i> | 0.10650888 | 0.05471291 | 1 |
| <i>OXT</i> | 0.10650087 | 0.05473122 | 1 |
| <i>ORAI2</i> | 0.10635771 | 0.05505946 | 1 |
| <i>TUSC2</i> | 0.10624567 | 0.05531745 | 1 |
| <i>TRIM37</i> | 0.10619577 | 0.0554327 | 1 |
| <i>DNASE1L1</i> | 0.10618635 | 0.05545446 | 1 |
| <i>RGS9BP</i> | 0.10618006 | 0.05546901 | 1 |
| <i>ZNF71</i> | 0.10609595 | 0.05566382 | 1 |
| <i>C19orf77</i> | 0.10598227 | 0.05592798 | 1 |
| <i>GRINL1A</i> | 0.10593104 | 0.05604736 | 1 |
| <i>ZNF711</i> | 0.10592173 | 0.05606909 | 1 |
| <i>ZNF254</i> | 0.10590341 | 0.05611185 | 1 |
| <i>XPO6</i> | 0.1058327 | 0.05627713 | 1 |
| <i>INVS</i> | 0.105757 | 0.05645455 | 1 |
| <i>RASL11B</i> | 0.10561919 | 0.05677869 | 1 |
| <i>UPP2</i> | 0.10551101 | 0.05703421 | 1 |
| <i>NMS</i> | 0.10547646 | 0.05711604 | 1 |
| <i>KIAA0776</i> | 0.10542582 | 0.05723611 | 1 |
| <i>PGS1</i> | 0.10534405 | 0.05743048 | 1 |
| <i>RBMV2EP</i> | 0.10529108 | 0.05755666 | 1 |
| <i>METTL10</i> | 0.10522998 | 0.05770249 | 1 |
| <i>BRAF</i> | 0.10519194 | 0.05779345 | 1 |
| <i>FAM122C</i> | 0.10516116 | 0.05786714 | 1 |

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| <i>SNCAIP</i> | 0.10507775 | 0.0580672 | 1 |
| <i>VAX1</i> | 0.10505681 | 0.0581175 | 1 |
| <i>KRT35</i> | 0.10495792 | 0.0583556 | 1 |
| <i>ZNF716</i> | 0.10491803 | 0.05845187 | 1 |
| <i>CACNG1</i> | 0.10488632 | 0.0585285 | 1 |
| <i>TROVE2</i> | 0.10465646 | 0.05908641 | 1 |
| <i>MAT2A</i> | 0.10465625 | 0.05908692 | 1 |
| <i>C4orf48</i> | 0.10459345 | 0.05924011 | 1 |
| <i>RGS14</i> | 0.1044999 | 0.05946892 | 1 |
| <i>MAGEA9B</i> | 0.10449304 | 0.05948575 | 1 |
| <i>PEX12</i> | 0.1044292 | 0.05964232 | 1 |
| <i>RFX7</i> | 0.10439335 | 0.05973043 | 1 |
| <i>DDX23</i> | 0.10434326 | 0.05985368 | 1 |
| <i>HUWE1</i> | 0.10432209 | 0.05990584 | 1 |
| <i>LRP2</i> | 0.10428978 | 0.05998551 | 1 |
| <i>KLF1</i> | 0.10427161 | 0.06003036 | 1 |
| <i>MAFG</i> | 0.10425598 | 0.06006894 | 1 |
| <i>EFNB1</i> | 0.10399485 | 0.06071685 | 1 |
| <i>TNFAIP6</i> | 0.10385906 | 0.06105602 | 1 |
| <i>SPHAR</i> | 0.10384046 | 0.06110261 | 1 |
| <i>KRTAP3-1</i> | 0.10375249 | 0.06132331 | 1 |
| <i>CASP8AP2</i> | 0.10371104 | 0.06142753 | 1 |
| <i>SNORA14B</i> | 0.10370083 | 0.06145323 | 1 |
| <i>FOLH1</i> | 0.10365117 | 0.06157831 | 1 |
| <i>SYCE2</i> | 0.10364717 | 0.06158841 | 1 |
| <i>SEZ6L2</i> | 0.10361322 | 0.06167405 | 1 |
| <i>RAD17</i> | 0.10357284 | 0.06177607 | 1 |
| <i>MYO18B</i> | 0.10355921 | 0.06181054 | 1 |
| <i>TRAPPC5</i> | 0.10349224 | 0.06198009 | 1 |
| <i>SF4</i> | 0.10348915 | 0.06198793 | 1 |
| <i>TOM1L1</i> | 0.10338621 | 0.06224933 | 1 |
| <i>?388795</i> | 0.10337924 | 0.06226705 | 1 |
| <i>OR5AK2</i> | 0.10335763 | 0.06232206 | 1 |
| <i>CYP3A43</i> | 0.10322676 | 0.06265602 | 1 |
| <i>KRT10</i> | 0.10300013 | 0.06323784 | 1 |
| <i>ZNF416</i> | 0.10290646 | 0.06347961 | 1 |
| <i>POLE4</i> | 0.10289629 | 0.06350589 | 1 |
| <i>SNORA9</i> | 0.10283133 | 0.06367407 | 1 |
| <i>FAM47A</i> | 0.10281277 | 0.0637222 | 1 |
| <i>ZNF215</i> | 0.10279988 | 0.06375563 | 1 |
| <i>HSPA5</i> | 0.10277491 | 0.06382042 | 1 |
| <i>TMEM203</i> | 0.10272412 | 0.06395243 | 1 |
| <i>MLF1</i> | 0.10264425 | 0.06416044 | 1 |
| <i>ODF1</i> | 0.10259059 | 0.0643005 | 1 |
| <i>DUSP13</i> | 0.10252213 | 0.06447956 | 1 |
| <i>PDIA5</i> | 0.10245475 | 0.0646562 | 1 |
| <i>MAPK13</i> | 0.10243756 | 0.06470133 | 1 |
| <i>SPRR2E</i> | 0.1024308 | 0.06471906 | 1 |
| <i>SQSTM1</i> | 0.10241942 | 0.06474896 | 1 |
| <i>CXorf22</i> | 0.10236821 | 0.06488363 | 1 |
| <i>ALG10B</i> | 0.10236296 | 0.06489745 | 1 |

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| <i>SLC6A1</i> | 0.1022769 | 0.06512434 | 1 |
| <i>HTRA3</i> | 0.10215575 | 0.06544481 | 1 |
| <i>SNORA84</i> | 0.10202657 | 0.06578797 | 1 |
| <i>ZNF276</i> | 0.10197098 | 0.06593609 | 1 |
| <i>PDZD8</i> | 0.10191653 | 0.06608145 | 1 |
| <i>HOOK3</i> | 0.10188543 | 0.06616457 | 1 |
| <i>PARP8</i> | 0.10181732 | 0.06634696 | 1 |
| <i>GALNT4</i> | 0.10180917 | 0.06636881 | 1 |
| <i>SLC25A13</i> | 0.10169237 | 0.06668259 | 1 |
| <i>TCHP</i> | 0.10166958 | 0.06674394 | 1 |
| <i>SEPT7L</i> | 0.10160489 | 0.0669184 | 1 |
| <i>CUTC</i> | 0.1015982 | 0.06693645 | 1 |
| <i>TTC18</i> | 0.10156231 | 0.06703342 | 1 |
| <i>C19orf29</i> | 0.10155781 | 0.06704558 | 1 |
| <i>FHIT</i> | 0.10152999 | 0.06712086 | 1 |
| <i>TUBA4B</i> | 0.10149997 | 0.06720212 | 1 |
| <i>C7orf60</i> | 0.1014189 | 0.06742202 | 1 |
| <i>OR1J1</i> | 0.10141748 | 0.06742589 | 1 |
| <i>C9</i> | 0.10140672 | 0.06745511 | 1 |
| <i>VPS37D</i> | 0.10126722 | 0.06783506 | 1 |
| <i>MRPL53</i> | 0.10126441 | 0.06784272 | 1 |
| <i>MUC15</i> | 0.10119313 | 0.06803756 | 1 |
| <i>POTEG</i> | 0.10116674 | 0.0681098 | 1 |
| <i>XPA</i> | 0.10113679 | 0.06819187 | 1 |
| <i>ZNF780B</i> | 0.10112669 | 0.06821955 | 1 |
| <i>RPS29</i> | 0.10100695 | 0.06854858 | 1 |
| <i>LOC728875</i> | 0.1009841 | 0.06861153 | 1 |
| <i>MCAT</i> | 0.10094519 | 0.06871878 | 1 |
| <i>C15orf26</i> | 0.10086964 | 0.0689275 | 1 |
| <i>MREG</i> | 0.10083215 | 0.06903123 | 1 |
| <i>UQCRHL</i> | 0.10077242 | 0.06919679 | 1 |
| <i>LOC1001311</i> | 0.10073532 | 0.0692998 | 1 |
| <i>C2orf54</i> | 0.10066575 | 0.06949329 | 1 |
| <i>PHB2</i> | 0.10065232 | 0.06953068 | 1 |
| <i>SNORA71C</i> | 0.10062519 | 0.06960628 | 1 |
| <i>DCAF8L2</i> | 0.1006029 | 0.06966846 | 1 |
| <i>SDR39U1</i> | 0.10057188 | 0.06975504 | 1 |
| <i>SMURF2</i> | 0.10053335 | 0.06986271 | 1 |
| <i>RFESD</i> | 0.10043951 | 0.07012552 | 1 |
| <i>FLJ46361</i> | 0.10041312 | 0.07019959 | 1 |
| <i>ZNF302</i> | 0.10033184 | 0.07042807 | 1 |
| <i>SMPD2</i> | 0.10030422 | 0.07050584 | 1 |
| <i>ZNF165</i> | 0.10029903 | 0.07052046 | 1 |
| <i>DKK1</i> | 0.10027532 | 0.07058728 | 1 |
| <i>LOC728024</i> | 0.10027044 | 0.07060106 | 1 |
| <i>SCAND2</i> | 0.10026054 | 0.070629 | 1 |
| <i>AAMP</i> | 0.10021591 | 0.07075499 | 1 |
| <i>PUS10</i> | 0.10011975 | 0.07102711 | 1 |
| <i>HEATR7A</i> | 0.10008992 | 0.07111171 | 1 |
| <i>C17orf49</i> | 0.10005427 | 0.07121291 | 1 |
| <i>HCG4P6</i> | 0.10005069 | 0.07122308 | 1 |

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| <i>LOC643955</i> | 0.1000466 | 0.07123471 | 1 |
| <i>MPHOSPH8</i> | 0.10000174 | 0.07136225 | 1 |
| <i>KRT85</i> | 0.0999385 | 0.07154237 | 1 |
| <i>PRAP1</i> | 0.09984725 | 0.07180291 | 1 |
| <i>UPRT</i> | 0.09981866 | 0.0718847 | 1 |
| <i>WFDC8</i> | 0.09976058 | 0.07205109 | 1 |
| <i>ADIPOR1</i> | 0.09967794 | 0.07228839 | 1 |
| <i>SLC35F2</i> | 0.09962106 | 0.07245211 | 1 |
| <i>POTED</i> | 0.09960903 | 0.07248676 | 1 |
| <i>RARG</i> | 0.09949083 | 0.07282803 | 1 |
| <i>PAQR7</i> | 0.09948454 | 0.07284623 | 1 |
| <i>CD2BP2</i> | 0.09946252 | 0.07290997 | 1 |
| <i>ANAPC16</i> | 0.09945776 | 0.07292375 | 1 |
| <i>EEF1A1</i> | 0.09944186 | 0.0729698 | 1 |
| <i>OVOL1</i> | 0.09942118 | 0.07302973 | 1 |
| <i>ANKRD1</i> | 0.09940804 | 0.07306785 | 1 |
| <i>SNORA40</i> | 0.09939346 | 0.07311014 | 1 |
| <i>DNAJC25-G1</i> | 0.09938662 | 0.07312999 | 1 |
| <i>THBS2</i> | 0.09937183 | 0.07317293 | 1 |
| <i>PHTF1</i> | 0.0992863 | 0.07342164 | 1 |
| <i>RCE1</i> | 0.09924373 | 0.07354569 | 1 |
| <i>SLC7A8</i> | 0.09923692 | 0.07356556 | 1 |
| <i>TLX3</i> | 0.09921852 | 0.07361925 | 1 |
| <i>EDARADD</i> | 0.09920145 | 0.07366906 | 1 |
| <i>CXADRP3</i> | 0.09920023 | 0.07367264 | 1 |
| <i>RANBP3</i> | 0.09912628 | 0.07388883 | 1 |
| <i>C17orf99</i> | 0.0990907 | 0.07399305 | 1 |
| <i>ASMT</i> | 0.0990719 | 0.07404814 | 1 |
| <i>OR11H6</i> | 0.09905548 | 0.07409629 | 1 |
| <i>OR2T10</i> | 0.0990504 | 0.07411121 | 1 |
| <i>PSTPIP2</i> | 0.09901608 | 0.07421198 | 1 |
| <i>FAM200B</i> | 0.09897252 | 0.07434002 | 1 |
| <i>MT4</i> | 0.0989434 | 0.07442572 | 1 |
| <i>PRR23C</i> | 0.09880332 | 0.07483908 | 1 |
| <i>FAM83C</i> | 0.09878176 | 0.07490287 | 1 |
| <i>NAPB</i> | 0.09875594 | 0.07497932 | 1 |
| <i>C1orf53</i> | 0.09869211 | 0.0751686 | 1 |
| <i>ACTR3</i> | 0.09868918 | 0.0751773 | 1 |
| <i>TOP2B</i> | 0.09861483 | 0.07539825 | 1 |
| <i>LOC150185</i> | 0.09861271 | 0.07540458 | 1 |
| <i>ESRP1</i> | 0.09855191 | 0.07558567 | 1 |
| <i>RNF214</i> | 0.09850138 | 0.07573644 | 1 |
| <i>IARS2</i> | 0.09847063 | 0.07582834 | 1 |
| <i>CHRNA3</i> | 0.09834594 | 0.07620184 | 1 |
| <i>PLK5P</i> | 0.09831348 | 0.07629931 | 1 |
| <i>PRSS1</i> | 0.09823549 | 0.0765339 | 1 |
| <i>KRTAP5-11</i> | 0.09820869 | 0.07661467 | 1 |
| <i>TTL10</i> | 0.09813381 | 0.07684066 | 1 |
| <i>ATP6V0E1</i> | 0.09813225 | 0.07684538 | 1 |
| <i>RSPO4</i> | 0.09812951 | 0.07685366 | 1 |
| <i>ZNF346</i> | 0.09806167 | 0.07705889 | 1 |

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| <i>CIZ1</i> | 0.0980319 | 0.07714911 | 1 |
| <i>TCF12</i> | 0.09801614 | 0.0771969 | 1 |
| <i>GNPDA2</i> | 0.09798648 | 0.07728689 | 1 |
| <i>C7orf33</i> | 0.097969 | 0.07733997 | 1 |
| <i>ZSCAN10</i> | 0.09795091 | 0.07739495 | 1 |
| <i>HINT1</i> | 0.0979141 | 0.07750689 | 1 |
| <i>ACR</i> | 0.09789671 | 0.07755982 | 1 |
| <i>LPCAT1</i> | 0.0978223 | 0.07778664 | 1 |
| <i>SNORA31</i> | 0.09776346 | 0.07796638 | 1 |
| <i>MYCNOS</i> | 0.09768013 | 0.0782215 | 1 |
| <i>SNORA6</i> | 0.09764161 | 0.07833967 | 1 |
| <i>RSPH6A</i> | 0.09760679 | 0.07844661 | 1 |
| <i>GUCA1A</i> | 0.0976026 | 0.07845948 | 1 |
| <i>LRRC37A2</i> | 0.09754187 | 0.07864629 | 1 |
| <i>CYP19A1</i> | 0.09751937 | 0.07871561 | 1 |
| <i>BCL11B</i> | 0.0974545 | 0.0789157 | 1 |
| <i>HOXD13</i> | 0.09732353 | 0.07932092 | 1 |
| <i>HMGB3L1</i> | 0.0972931 | 0.07941533 | 1 |
| <i>SNORA68</i> | 0.09729227 | 0.07941788 | 1 |
| <i>SYT8</i> | 0.09723156 | 0.07960649 | 1 |
| <i>CLK4</i> | 0.09723032 | 0.07961035 | 1 |
| <i>SH3PXD2B</i> | 0.09719826 | 0.07971009 | 1 |
| <i>ZNF479</i> | 0.09717218 | 0.0797913 | 1 |
| <i>C11orf80</i> | 0.09716253 | 0.07982138 | 1 |
| <i>LEMD2</i> | 0.09714695 | 0.07986996 | 1 |
| <i>HABP2</i> | 0.09713334 | 0.07991238 | 1 |
| <i>HMHB1</i> | 0.09712146 | 0.07994945 | 1 |
| <i>RFX5</i> | 0.09705564 | 0.08015504 | 1 |
| <i>ZNF668</i> | 0.09703802 | 0.08021017 | 1 |
| <i>BAMBI</i> | 0.09697041 | 0.08042193 | 1 |
| <i>SLC9A10</i> | 0.09690261 | 0.0806347 | 1 |
| <i>HOXA2</i> | 0.09690057 | 0.08064114 | 1 |
| <i>PIN1L</i> | 0.09680758 | 0.08093374 | 1 |
| <i>EXOSC10</i> | 0.09674359 | 0.08113559 | 1 |
| <i>NPSR1</i> | 0.09662364 | 0.0815151 | 1 |
| <i>SPATA19</i> | 0.09661538 | 0.08154127 | 1 |
| <i>OR10A6</i> | 0.09660219 | 0.08158311 | 1 |
| <i>LOC1002893</i> | 0.09660022 | 0.08158936 | 1 |
| <i>RPL23AP82</i> | 0.09656317 | 0.08170693 | 1 |
| <i>PPP1R1C</i> | 0.0964956 | 0.08192176 | 1 |
| <i>LOC284232</i> | 0.09643967 | 0.08209991 | 1 |
| <i>C21orf7</i> | 0.09642451 | 0.08214823 | 1 |
| <i>? 390284</i> | 0.0964102 | 0.08219389 | 1 |
| <i>CCDC79</i> | 0.09636968 | 0.08232328 | 1 |
| <i>RAB24</i> | 0.09631766 | 0.08248961 | 1 |
| <i>CRYBA1</i> | 0.09631729 | 0.08249081 | 1 |
| <i>SF3B2</i> | 0.09630228 | 0.08253884 | 1 |
| <i>SEC13</i> | 0.09627962 | 0.08261142 | 1 |
| <i>SLN</i> | 0.09627462 | 0.08262744 | 1 |
| <i>BRDT</i> | 0.09627135 | 0.08263792 | 1 |
| <i>COX7B</i> | 0.09626434 | 0.08266039 | 1 |

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| <i>PDXDC2</i> | 0.09602929 | 0.08341664 | 1 |
| <i>MFN1</i> | 0.09600668 | 0.0834897 | 1 |
| <i>ADD3</i> | 0.09600093 | 0.08350825 | 1 |
| <i>HIST1H3B</i> | 0.09597211 | 0.08360147 | 1 |
| <i>MFI2</i> | 0.09581386 | 0.08411466 | 1 |
| <i>OR51A2</i> | 0.09580907 | 0.08413023 | 1 |
| <i>ASFMR1</i> | 0.09580271 | 0.0841509 | 1 |
| <i>ZNF785</i> | 0.09574671 | 0.0843332 | 1 |
| <i>LAMC2</i> | 0.09572292 | 0.08441072 | 1 |
| <i>C6orf182</i> | 0.09567154 | 0.08457837 | 1 |
| <i>CALHM3</i> | 0.09558307 | 0.08486764 | 1 |
| <i>CLDN15</i> | 0.09551926 | 0.08507681 | 1 |
| <i>SETD1A</i> | 0.09543839 | 0.08534245 | 1 |
| <i>FAM157A</i> | 0.09543647 | 0.08534876 | 1 |
| <i>AP3S1</i> | 0.0953383 | 0.08567217 | 1 |
| <i>SNORA41</i> | 0.09530626 | 0.08577793 | 1 |
| <i>OR10W1</i> | 0.09524942 | 0.08596582 | 1 |
| <i>COMMD3</i> | 0.0952105 | 0.08609466 | 1 |
| <i>CCDC37</i> | 0.09518036 | 0.08619456 | 1 |
| <i>HIST1H2BB</i> | 0.09517959 | 0.08619709 | 1 |
| <i>LYRM2</i> | 0.0950684 | 0.08656642 | 1 |
| <i>CDV3</i> | 0.09503682 | 0.08667152 | 1 |
| <i>SLC25A38</i> | 0.09502723 | 0.08670345 | 1 |
| <i>TRIM13</i> | 0.09492095 | 0.0870581 | 1 |
| <i>ZNF83</i> | 0.09491385 | 0.08708181 | 1 |
| <i>COG4</i> | 0.09491131 | 0.08709031 | 1 |
| <i>KGFLP2</i> | 0.0949089 | 0.08709838 | 1 |
| <i>B3GNT4</i> | 0.09480245 | 0.08745486 | 1 |
| <i>NDUFA5</i> | 0.09479688 | 0.08747356 | 1 |
| <i>CCDC12</i> | 0.09469145 | 0.08782785 | 1 |
| <i>GOLGA6L10</i> | 0.09469142 | 0.08782793 | 1 |
| <i>SLC11A1</i> | 0.09459943 | 0.08813801 | 1 |
| <i>WDR45</i> | 0.09453167 | 0.08836695 | 1 |
| <i>KRTAP1-1</i> | 0.0945043 | 0.08845958 | 1 |
| <i>CAPG</i> | 0.09450152 | 0.08846898 | 1 |
| <i>TSNAXIP1</i> | 0.09439035 | 0.08884603 | 1 |
| <i>DUSP16</i> | 0.09431665 | 0.08909667 | 1 |
| <i>MUC21</i> | 0.09422646 | 0.08940418 | 1 |
| <i>HEYL</i> | 0.09418588 | 0.08954282 | 1 |
| <i>SSU72</i> | 0.09417407 | 0.0895832 | 1 |
| <i>SPRY2</i> | 0.09412714 | 0.08974381 | 1 |
| <i>PLSCR2</i> | 0.09407933 | 0.08990765 | 1 |
| <i>TMEM168</i> | 0.0940455 | 0.09002374 | 1 |
| <i>TTC13</i> | 0.09404418 | 0.09002828 | 1 |
| <i>ARFIP2</i> | 0.09397614 | 0.09026213 | 1 |
| <i>KRT7</i> | 0.09395332 | 0.09034067 | 1 |
| <i>SLED1</i> | 0.0939373 | 0.09039583 | 1 |
| <i>TBCCD1</i> | 0.09392459 | 0.09043963 | 1 |
| <i>UCMA</i> | 0.09391907 | 0.09045866 | 1 |
| <i>OR10A4</i> | 0.09391225 | 0.09048214 | 1 |
| <i>LOC1001290</i> | 0.09389673 | 0.09053568 | 1 |

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| <i>BCAS2</i> | 0.09387031 | 0.09062682 | 1 |
| <i>LOC1001322</i> | 0.09386026 | 0.09066153 | 1 |
| <i>PODNL1</i> | 0.09383496 | 0.0907489 | 1 |
| <i>STX4</i> | 0.09382641 | 0.09077846 | 1 |
| <i>C7orf57</i> | 0.09379295 | 0.09089417 | 1 |
| <i>NXF2B</i> | 0.09353158 | 0.09180204 | 1 |
| <i>POR</i> | 0.0935076 | 0.09188569 | 1 |
| <i>HOOK1</i> | 0.09350133 | 0.09190759 | 1 |
| <i>EPGN</i> | 0.09348774 | 0.09195504 | 1 |
| <i>GNB2</i> | 0.09348399 | 0.09196813 | 1 |
| <i>XG</i> | 0.09347509 | 0.09199921 | 1 |
| <i>LTB4R2</i> | 0.09343541 | 0.09213791 | 1 |
| <i>C11orf41</i> | 0.09342882 | 0.09216098 | 1 |
| <i>OR4N2</i> | 0.0933233 | 0.09253069 | 1 |
| <i>KLHL15</i> | 0.09321964 | 0.09289508 | 1 |
| <i>UBE2U</i> | 0.09318585 | 0.0930141 | 1 |
| <i>IVL</i> | 0.09311618 | 0.09325988 | 1 |
| <i>PIP5K1A</i> | 0.09309401 | 0.09333821 | 1 |
| <i>OR1F1</i> | 0.09303494 | 0.09354715 | 1 |
| <i>CCM2</i> | 0.09300942 | 0.09363752 | 1 |
| <i>SLC39A11</i> | 0.09300393 | 0.09365697 | 1 |
| <i>RTCD1</i> | 0.09297231 | 0.09376908 | 1 |
| <i>LY6D</i> | 0.092897 | 0.09403651 | 1 |
| <i>PGLYRP4</i> | 0.09287665 | 0.09410888 | 1 |
| <i>OR5E1P</i> | 0.09281742 | 0.09431974 | 1 |
| <i>NDUFA8</i> | 0.09280541 | 0.09436257 | 1 |
| <i>CLRN2</i> | 0.09280259 | 0.0943726 | 1 |
| <i>C20orf191</i> | 0.09270767 | 0.09471153 | 1 |
| <i>TMEM139</i> | 0.09259165 | 0.09512704 | 1 |
| <i>PPP2CA</i> | 0.09258971 | 0.095134 | 1 |
| <i>LENG8</i> | 0.09250658 | 0.09543266 | 1 |
| <i>C2CD2</i> | 0.09249477 | 0.09547515 | 1 |
| <i>OR8K3</i> | 0.09241216 | 0.0957728 | 1 |
| <i>LYZL4</i> | 0.09240483 | 0.09579924 | 1 |
| <i>LGALS14</i> | 0.09233188 | 0.09606274 | 1 |
| <i>MMP14</i> | 0.09217349 | 0.09663683 | 1 |
| <i>PPFIA4</i> | 0.09211241 | 0.09685896 | 1 |
| <i>AMN1</i> | 0.09207763 | 0.0969856 | 1 |
| <i>SBSN</i> | 0.09205858 | 0.09705506 | 1 |
| <i>NFKBIL1</i> | 0.09202367 | 0.09718237 | 1 |
| <i>MPO</i> | 0.09196551 | 0.09739481 | 1 |
| <i>C21orf129</i> | 0.09192722 | 0.0975349 | 1 |
| <i>AK2</i> | 0.09191443 | 0.09758171 | 1 |
| <i>TBC1D29</i> | 0.0919014 | 0.09762943 | 1 |
| <i>MED1</i> | 0.09190036 | 0.09763324 | 1 |
| <i>TTC9</i> | 0.09188625 | 0.09768492 | 1 |
| <i>UBXN1</i> | 0.09186215 | 0.09777329 | 1 |
| <i>MIOX</i> | 0.09177587 | 0.0980901 | 1 |
| <i>CXorf27</i> | 0.09157051 | 0.09884744 | 1 |
| <i>GPR89B</i> | 0.09150023 | 0.09910768 | 1 |
| <i>C5</i> | 0.0914655 | 0.0992365 | 1 |

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| <i>XYLT2</i> | 0.0913792 | 0.09955713 | 1 |
| <i>MED24</i> | 0.09135671 | 0.09964084 | 1 |
| <i>CYP17A1</i> | 0.09128425 | 0.09991087 | 1 |
| <i>WIT1</i> | 0.09112382 | 0.10051083 | 1 |
| <i>HAUS4</i> | 0.09109112 | 0.10063347 | 1 |
| <i>RNF157</i> | 0.09107265 | 0.10070277 | 1 |
| <i>FBXL2</i> | 0.09106788 | 0.10072067 | 1 |
| <i>LOC554202</i> | 0.09100841 | 0.10094417 | 1 |
| <i>AP1G2</i> | 0.09094525 | 0.10118197 | 1 |
| <i>LOC1001307</i> | 0.09088137 | 0.1014229 | 1 |
| <i>EML4</i> | 0.09081163 | 0.10168647 | 1 |
| <i>CYB5R2</i> | 0.09069542 | 0.10212686 | 1 |
| <i>VANGL2</i> | 0.09055493 | 0.10266133 | 1 |
| <i>HSDL2</i> | 0.09050249 | 0.10286136 | 1 |
| <i>DAOA</i> | 0.09049732 | 0.1028811 | 1 |
| <i>C4orf44</i> | 0.09048805 | 0.10291649 | 1 |
| <i>OR10H5</i> | 0.09042369 | 0.10316256 | 1 |
| <i>TPI1</i> | 0.09042212 | 0.10316857 | 1 |
| <i>RAD9A</i> | 0.09037281 | 0.1033574 | 1 |
| <i>NDUFA4L2</i> | 0.09033469 | 0.10350356 | 1 |
| <i>CUL5</i> | 0.09026848 | 0.10375783 | 1 |
| <i>TMEM180</i> | 0.09023984 | 0.103868 | 1 |
| <i>ATP6AP1L</i> | 0.09023695 | 0.10387911 | 1 |
| <i>C17orf65</i> | 0.09005451 | 0.10458295 | 1 |
| <i>GLB1L</i> | 0.09001699 | 0.10472816 | 1 |
| <i>OTOP1</i> | 0.08999034 | 0.10483141 | 1 |
| <i>TBX5</i> | 0.0898309 | 0.10545075 | 1 |
| <i>PF4V1</i> | 0.08981728 | 0.10550379 | 1 |
| <i>GLE1</i> | 0.08981284 | 0.1055211 | 1 |
| <i>ZNF212</i> | 0.08979618 | 0.10558601 | 1 |
| <i>CNKSR1</i> | 0.0896346 | 0.10621725 | 1 |
| <i>FAM103A1</i> | 0.08960419 | 0.1063364 | 1 |
| <i>WDR52</i> | 0.08957125 | 0.10646556 | 1 |
| <i>BAIAP2L1</i> | 0.08956491 | 0.10649044 | 1 |
| <i>B3GAT3</i> | 0.08950905 | 0.1067098 | 1 |
| <i>DDX11L2</i> | 0.08949166 | 0.10677818 | 1 |
| <i>LOC285954</i> | 0.08946222 | 0.106894 | 1 |
| <i>NBR2</i> | 0.08938241 | 0.10720845 | 1 |
| <i>CTRL</i> | 0.08931253 | 0.10748438 | 1 |
| <i>PRKCSH</i> | 0.08926573 | 0.10766951 | 1 |
| <i>VCX3A</i> | 0.08922712 | 0.10782242 | 1 |
| <i>KIF3C</i> | 0.08920908 | 0.10789391 | 1 |
| <i>ZNF487</i> | 0.0890858 | 0.10838356 | 1 |
| <i>BAIAP2</i> | 0.08905542 | 0.10850449 | 1 |
| <i>HGS</i> | 0.08905021 | 0.10852524 | 1 |
| <i>TSSC4</i> | 0.08904399 | 0.10855 | 1 |
| <i>ADRBK2</i> | 0.08901795 | 0.10865379 | 1 |
| <i>PODXL</i> | 0.08897744 | 0.10881535 | 1 |
| <i>RAB25</i> | 0.08896638 | 0.10885951 | 1 |
| <i>LOC285045</i> | 0.08893289 | 0.10899327 | 1 |
| <i>EME2</i> | 0.08886755 | 0.10925466 | 1 |

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| <i>KCNMB4</i> | 0.08885615 | 0.10930029 | 1 |
| <i>VWCE</i> | 0.08881434 | 0.10946787 | 1 |
| <i>MAGEC2</i> | 0.08880454 | 0.10950718 | 1 |
| <i>C13orf35</i> | 0.08873959 | 0.10976795 | 1 |
| <i>PPP1R1B</i> | 0.08872296 | 0.10983479 | 1 |
| <i>EPHA8</i> | 0.08866575 | 0.11006498 | 1 |
| <i>TGM6</i> | 0.0885424 | 0.11056265 | 1 |
| <i>DCST1</i> | 0.08849484 | 0.11075498 | 1 |
| <i>DNMT3L</i> | 0.08848334 | 0.11080155 | 1 |
| <i>FADS2</i> | 0.08846713 | 0.11086716 | 1 |
| <i>FNIP1</i> | 0.08843108 | 0.11101328 | 1 |
| <i>ATP8B5P</i> | 0.08830654 | 0.11151914 | 1 |
| <i>NOTCH3</i> | 0.08826497 | 0.11168837 | 1 |
| <i>IL17C</i> | 0.08825409 | 0.1117327 | 1 |
| <i>REG1A</i> | 0.08824537 | 0.11176823 | 1 |
| <i>BRF2</i> | 0.08824348 | 0.11177595 | 1 |
| <i>SEMA3F</i> | 0.08817125 | 0.11207067 | 1 |
| <i>C6orf211</i> | 0.08810328 | 0.1123486 | 1 |
| <i>PSMG2</i> | 0.08805993 | 0.11252614 | 1 |
| <i>OXR1</i> | 0.08798287 | 0.11284225 | 1 |
| <i>CD300LD</i> | 0.08798032 | 0.11285274 | 1 |
| <i>CER1</i> | 0.08793842 | 0.11302493 | 1 |
| <i>SETD8</i> | 0.08790766 | 0.11315147 | 1 |
| <i>ZBTB6</i> | 0.08787658 | 0.11327946 | 1 |
| <i>RCAN3</i> | 0.08786772 | 0.11331594 | 1 |
| <i>SOX11</i> | 0.08785225 | 0.1133797 | 1 |
| <i>NBPF16</i> | 0.08783528 | 0.11344966 | 1 |
| <i>C5orf22</i> | 0.08778169 | 0.11367087 | 1 |
| <i>FAM195B</i> | 0.08775084 | 0.11379835 | 1 |
| <i>PRAMEF14</i> | 0.08758665 | 0.1144787 | 1 |
| <i>GOSR2</i> | 0.08754914 | 0.11463458 | 1 |
| <i>OPA1</i> | 0.08754609 | 0.11464726 | 1 |
| <i>ZNF679</i> | 0.08754389 | 0.11465642 | 1 |
| <i>PAPSS1</i> | 0.08753492 | 0.11469372 | 1 |
| <i>SNORA7B</i> | 0.08750832 | 0.11480442 | 1 |
| <i>YWHAE</i> | 0.0872878 | 0.11572528 | 1 |
| <i>OBSCN</i> | 0.08722837 | 0.1159744 | 1 |
| <i>ZNF197</i> | 0.08715559 | 0.11628012 | 1 |
| <i>UBE2D2</i> | 0.08715509 | 0.11628221 | 1 |
| <i>SLC16A13</i> | 0.0870842 | 0.11658059 | 1 |
| <i>CISH</i> | 0.08699831 | 0.11694287 | 1 |
| <i>SOHLH1</i> | 0.08697593 | 0.11703744 | 1 |
| <i>TMEM30C</i> | 0.08694327 | 0.1171755 | 1 |
| <i>RNF222</i> | 0.08685709 | 0.11754049 | 1 |
| <i>HMGN3</i> | 0.08680051 | 0.11778059 | 1 |
| <i>HIST1H2BF</i> | 0.08675847 | 0.11795923 | 1 |
| <i>LOC285629</i> | 0.08673399 | 0.11806334 | 1 |
| <i>PLEKHM1P</i> | 0.08672513 | 0.11810105 | 1 |
| <i>BANP</i> | 0.08669805 | 0.11821635 | 1 |
| <i>USH2A</i> | 0.08669582 | 0.11822585 | 1 |
| <i>IFNA1</i> | 0.08665663 | 0.11839284 | 1 |

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| <i>SLC6A14</i> | 0.08651109 | 0.11901471 | 1 |
| <i>CCDC140</i> | 0.08649663 | 0.11907664 | 1 |
| <i>TEC</i> | 0.08646773 | 0.11920049 | 1 |
| <i>C2orf81</i> | 0.08613745 | 0.1206229 | 1 |
| <i>ANKK1</i> | 0.08611563 | 0.12071733 | 1 |
| <i>DAZ4</i> | 0.08608857 | 0.12083454 | 1 |
| <i>MPZL1</i> | 0.08606708 | 0.12092765 | 1 |
| <i>TMEM184A</i> | 0.08606631 | 0.12093102 | 1 |
| <i>ORAI1</i> | 0.08600064 | 0.12121598 | 1 |
| <i>IL27RA</i> | 0.0859794 | 0.12130825 | 1 |
| <i>FGG</i> | 0.08595824 | 0.12140023 | 1 |
| <i>TNFRSF11B</i> | 0.08595519 | 0.1214135 | 1 |
| <i>CYP4Z1</i> | 0.08592586 | 0.12154111 | 1 |
| <i>MPHOSPH9</i> | 0.08592434 | 0.12154772 | 1 |
| <i>FAM81A</i> | 0.08586595 | 0.12180204 | 1 |
| <i>ZMYM4</i> | 0.08583235 | 0.12194859 | 1 |
| <i>TNFRSF10C</i> | 0.08580245 | 0.12207913 | 1 |
| <i>TLE2</i> | 0.08579774 | 0.1220997 | 1 |
| <i>IQCE</i> | 0.08573282 | 0.12238352 | 1 |
| <i>MAGEC1</i> | 0.08572072 | 0.12243645 | 1 |
| <i>SNORA45</i> | 0.08569826 | 0.12253479 | 1 |
| <i>STRC</i> | 0.08560256 | 0.12295451 | 1 |
| <i>NARFL</i> | 0.08546482 | 0.12356057 | 1 |
| <i>BDNF</i> | 0.08543229 | 0.12370405 | 1 |
| <i>TMED10P1</i> | 0.08541686 | 0.12377215 | 1 |
| <i>GTF2H2B</i> | 0.08539121 | 0.12388539 | 1 |
| <i>PANX1</i> | 0.08537196 | 0.12397046 | 1 |
| <i>CDR2L</i> | 0.085213 | 0.12467458 | 1 |
| <i>C1orf97</i> | 0.08520864 | 0.12469393 | 1 |
| <i>ZNF705A</i> | 0.08519874 | 0.12473789 | 1 |
| <i>NCRNA0005</i> | 0.08518799 | 0.12478564 | 1 |
| <i>TIPRL</i> | 0.0851762 | 0.12483805 | 1 |
| <i>TTC39C</i> | 0.08516133 | 0.12490411 | 1 |
| <i>OR7G2</i> | 0.08514935 | 0.1249574 | 1 |
| <i>PATE1</i> | 0.08511237 | 0.12512191 | 1 |
| <i>SNORA70</i> | 0.08510094 | 0.12517282 | 1 |
| <i>PLRG1</i> | 0.08502767 | 0.1254994 | 1 |
| <i>C21orf56</i> | 0.08501958 | 0.12553553 | 1 |
| <i>CA6</i> | 0.08493504 | 0.12591327 | 1 |
| <i>FLJ40504</i> | 0.08492524 | 0.12595711 | 1 |
| <i>LOC648691</i> | 0.08489173 | 0.12610709 | 1 |
| <i>CACNG8</i> | 0.08488008 | 0.1261593 | 1 |
| <i>CNOT4</i> | 0.08486623 | 0.12622134 | 1 |
| <i>BPI</i> | 0.08486555 | 0.12622442 | 1 |
| <i>LRRC37A</i> | 0.08484265 | 0.12632707 | 1 |
| <i>ACSL5</i> | 0.08482039 | 0.12642694 | 1 |
| <i>TAS2R39</i> | 0.08477053 | 0.12665083 | 1 |
| <i>CLEC2A</i> | 0.08472143 | 0.12687163 | 1 |
| <i>C11orf87</i> | 0.08459856 | 0.12742546 | 1 |
| <i>ADAMTS14</i> | 0.08458336 | 0.1274941 | 1 |
| <i>SLC22A7</i> | 0.08455531 | 0.12762085 | 1 |

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| <i>OTUB1</i> | 0.08454412 | 0.12767145 | 1 |
| <i>CDC73</i> | 0.08446453 | 0.12803173 | 1 |
| <i>IRS2</i> | 0.08440641 | 0.12829531 | 1 |
| <i>HTRA4</i> | 0.08439488 | 0.12834766 | 1 |
| <i>PPP4R1L</i> | 0.08437557 | 0.12843535 | 1 |
| <i>MRPL43</i> | 0.08431176 | 0.12872545 | 1 |
| <i>OCIAD1</i> | 0.08422228 | 0.12913079 | 1 |
| <i>LOC285733</i> | 0.08421531 | 0.12916492 | 1 |
| <i>LMO7</i> | 0.08415157 | 0.129456 | 1 |
| <i>NDUFB4</i> | 0.0841024 | 0.12968091 | 1 |
| <i>SF3B5</i> | 0.08396512 | 0.13031037 | 1 |
| <i>AGBL3</i> | 0.08388974 | 0.13065699 | 1 |
| <i>C1orf57</i> | 0.0838391 | 0.13089029 | 1 |
| <i>PSORS1C1</i> | 0.08376957 | 0.13121109 | 1 |
| <i>OLFM2</i> | 0.08374588 | 0.13132051 | 1 |
| <i>REG1B</i> | 0.08373369 | 0.13136204 | 1 |
| <i>DUSP28</i> | 0.08370456 | 0.13151161 | 1 |
| <i>SLC25A43</i> | 0.08368925 | 0.13158244 | 1 |
| <i>ZXDC</i> | 0.08366906 | 0.13167592 | 1 |
| <i>IFNA13</i> | 0.08366678 | 0.13168648 | 1 |
| <i>KRT34</i> | 0.08363887 | 0.13181579 | 1 |
| <i>INS-IGF2</i> | 0.0836207 | 0.13190001 | 1 |
| <i>SRPK3</i> | 0.08356482 | 0.1321593 | 1 |
| <i>KLHDC3</i> | 0.08354339 | 0.13225889 | 1 |
| <i>TMEM116</i> | 0.08340671 | 0.13289518 | 1 |
| <i>MAN2A2</i> | 0.08316993 | 0.13400303 | 1 |
| <i>CELSR2</i> | 0.08316534 | 0.13402457 | 1 |
| <i>CES8</i> | 0.08315599 | 0.13406849 | 1 |
| <i>LOC388692</i> | 0.08310488 | 0.13430865 | 1 |
| <i>TFAP2C</i> | 0.08308451 | 0.13440444 | 1 |
| <i>LOC1002868</i> | 0.08307156 | 0.1344654 | 1 |
| <i>MTMR15</i> | 0.08306373 | 0.13450224 | 1 |
| <i>SNORA27</i> | 0.08305871 | 0.13452589 | 1 |
| <i>HARS</i> | 0.08299894 | 0.13480749 | 1 |
| <i>SFXN2</i> | 0.0829964 | 0.13481949 | 1 |
| <i>TUBB1</i> | 0.08299179 | 0.13484121 | 1 |
| <i>ZNHIT2</i> | 0.08296586 | 0.13496355 | 1 |
| <i>ARTN</i> | 0.0828047 | 0.13572585 | 1 |
| <i>OR2T35</i> | 0.08275102 | 0.1359805 | 1 |
| <i>MTFMT</i> | 0.0827288 | 0.13608603 | 1 |
| <i>AOAH</i> | 0.08256446 | 0.13686834 | 1 |
| <i>SNORA5A</i> | 0.08254977 | 0.13693841 | 1 |
| <i>BMS1P4</i> | 0.0825268 | 0.13704807 | 1 |
| <i>C14orf138</i> | 0.0825162 | 0.13709872 | 1 |
| <i>ZKSCAN2</i> | 0.0824342 | 0.13749088 | 1 |
| <i>LONRF1</i> | 0.08242982 | 0.13751185 | 1 |
| <i>CASP4</i> | 0.08239761 | 0.13766611 | 1 |
| <i>SSR3</i> | 0.08238136 | 0.13774404 | 1 |
| <i>TULP4</i> | 0.08236753 | 0.13781033 | 1 |
| <i>RBPJL</i> | 0.082336 | 0.13796164 | 1 |
| <i>ZC3H11A</i> | 0.0822087 | 0.13857372 | 1 |

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| <i>HOTAIR</i> | 0.08220035 | 0.13861394 | 1 |
| <i>GSPT2</i> | 0.08218777 | 0.13867455 | 1 |
| <i>MMP12</i> | 0.08216824 | 0.13876872 | 1 |
| <i>LYPD3</i> | 0.08215548 | 0.13883024 | 1 |
| <i>C1QTNF6</i> | 0.08214281 | 0.13889135 | 1 |
| <i>ATP5L</i> | 0.08211604 | 0.13902057 | 1 |
| <i>USP14</i> | 0.0820943 | 0.13912558 | 1 |
| <i>IER2</i> | 0.08208726 | 0.13915959 | 1 |
| <i>CUL3</i> | 0.08200738 | 0.13954596 | 1 |
| <i>C1QL4</i> | 0.08196588 | 0.13974702 | 1 |
| <i>CXCL10</i> | 0.08191615 | 0.13998825 | 1 |
| <i>CDK18</i> | 0.0818702 | 0.14021146 | 1 |
| <i>SLCO3A1</i> | 0.08167965 | 0.14113988 | 1 |
| <i>CXXC4</i> | 0.08156769 | 0.14168755 | 1 |
| <i>TMOD4</i> | 0.08148008 | 0.14211727 | 1 |
| <i>FGF17</i> | 0.08143904 | 0.14231889 | 1 |
| <i>ACE2</i> | 0.08142121 | 0.14240654 | 1 |
| <i>TMEFF1</i> | 0.08139776 | 0.14252191 | 1 |
| <i>FN3KRP</i> | 0.08137152 | 0.1426511 | 1 |
| <i>LRP2BP</i> | 0.08130059 | 0.14300071 | 1 |
| <i>LCTL</i> | 0.08128664 | 0.14306956 | 1 |
| <i>OR4C16</i> | 0.08128143 | 0.14309526 | 1 |
| <i>OR5I1</i> | 0.08128143 | 0.14309526 | 1 |
| <i>OR2M5</i> | 0.08128143 | 0.14309526 | 1 |
| <i>OR8B12</i> | 0.08128143 | 0.14309526 | 1 |
| <i>PGK2</i> | 0.08109094 | 0.14403792 | 1 |
| <i>ZFP42</i> | 0.08099563 | 0.14451139 | 1 |
| <i>MAGEA12</i> | 0.0809939 | 0.14451999 | 1 |
| <i>MAGEA2</i> | 0.08099221 | 0.14452838 | 1 |
| <i>FSCN3</i> | 0.08092192 | 0.14487834 | 1 |
| <i>PAX7</i> | 0.08083062 | 0.14533382 | 1 |
| <i>CYP4F2</i> | 0.08080992 | 0.14543726 | 1 |
| <i>FAM99A</i> | 0.08078525 | 0.14556061 | 1 |
| <i>LIN52</i> | 0.0807612 | 0.14568089 | 1 |
| <i>LOC388588</i> | 0.08065713 | 0.14620237 | 1 |
| <i>LECT2</i> | 0.08053658 | 0.14680825 | 1 |
| <i>NANOS2</i> | 0.08051815 | 0.14690104 | 1 |
| <i>MRS2P2</i> | 0.08047614 | 0.1471127 | 1 |
| <i>DLX5</i> | 0.08047334 | 0.14712685 | 1 |
| <i>ARGFXP2</i> | 0.08046089 | 0.14718963 | 1 |
| <i>THAP1</i> | 0.08046027 | 0.14719273 | 1 |
| <i>HIST1H2BL</i> | 0.08038231 | 0.14758636 | 1 |
| <i>NOP10</i> | 0.08028646 | 0.14807135 | 1 |
| <i>HIST1H2AK</i> | 0.08019125 | 0.14855435 | 1 |
| <i>DEM1</i> | 0.08017017 | 0.14866145 | 1 |
| <i>ZNF441</i> | 0.08012848 | 0.14887341 | 1 |
| <i>DCBLD1</i> | 0.0800441 | 0.14930318 | 1 |
| <i>FAM169A</i> | 0.08003884 | 0.14932999 | 1 |
| <i>CXorf58</i> | 0.08001566 | 0.14944824 | 1 |
| <i>KRTAP12-2</i> | 0.07997983 | 0.14963111 | 1 |
| <i>IGFL2</i> | 0.07973081 | 0.15090699 | 1 |

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| <i>FAM35B</i> | 0.079688 | 0.15112715 | 1 |
| <i>ORIG1</i> | 0.07957465 | 0.15171129 | 1 |
| <i>NMI</i> | 0.07953289 | 0.15192693 | 1 |
| <i>RNU11</i> | 0.07951169 | 0.15203648 | 1 |
| <i>ZBTB8B</i> | 0.07940508 | 0.15258834 | 1 |
| <i>OR1Q1</i> | 0.07938688 | 0.15268268 | 1 |
| <i>C1orf126</i> | 0.07938318 | 0.15270189 | 1 |
| <i>ADAM19</i> | 0.0793234 | 0.15301213 | 1 |
| <i>POFUT2</i> | 0.07923313 | 0.1534816 | 1 |
| <i>GJB1</i> | 0.07907705 | 0.1542958 | 1 |
| <i>LOC201651</i> | 0.0790723 | 0.15432063 | 1 |
| <i>IQCK</i> | 0.07907073 | 0.15432887 | 1 |
| <i>ARL9</i> | 0.07866613 | 0.15645512 | 1 |
| <i>ADRBK1</i> | 0.07862118 | 0.15669271 | 1 |
| <i>MBD3L2</i> | 0.07857694 | 0.15692679 | 1 |
| <i>NOX3</i> | 0.07856327 | 0.15699917 | 1 |
| <i>PAX2</i> | 0.07854772 | 0.15708155 | 1 |
| <i>BNIP3</i> | 0.07842426 | 0.15773673 | 1 |
| <i>BOLL</i> | 0.07841011 | 0.15781194 | 1 |
| <i>ZNF486</i> | 0.07837392 | 0.15800445 | 1 |
| <i>VCPIP1</i> | 0.07835883 | 0.15808478 | 1 |
| <i>NCRNA0016</i> | 0.07834336 | 0.15816715 | 1 |
| <i>OR51E1</i> | 0.07816596 | 0.15911412 | 1 |
| <i>LRRC59</i> | 0.07808122 | 0.15956795 | 1 |
| <i>C14orf145</i> | 0.07805978 | 0.15968296 | 1 |
| <i>HIST1H2BO</i> | 0.077999 | 0.16000927 | 1 |
| <i>TBC1D28</i> | 0.07797998 | 0.16011145 | 1 |
| <i>GLI4</i> | 0.07797924 | 0.16011541 | 1 |
| <i>PRLR</i> | 0.07796792 | 0.16017632 | 1 |
| <i>DEFB104A</i> | 0.07793298 | 0.16036422 | 1 |
| <i>S100A7</i> | 0.07790487 | 0.16051556 | 1 |
| <i>SPRR1A</i> | 0.07787774 | 0.16066173 | 1 |
| <i>MOGAT3</i> | 0.0778485 | 0.16081934 | 1 |
| <i>PKLR</i> | 0.07780717 | 0.16104235 | 1 |
| <i>NR1I2</i> | 0.07778902 | 0.16114039 | 1 |
| <i>CSDAP1</i> | 0.07767856 | 0.16173782 | 1 |
| <i>LOC1002872</i> | 0.07765948 | 0.16184118 | 1 |
| <i>ENTHD1</i> | 0.07761945 | 0.16205822 | 1 |
| <i>ZAR1</i> | 0.07759952 | 0.16216636 | 1 |
| <i>SLC39A2</i> | 0.07755943 | 0.16238401 | 1 |
| <i>AGPAT5</i> | 0.07752882 | 0.16255036 | 1 |
| <i>RAB10</i> | 0.0775114 | 0.1626451 | 1 |
| <i>SSX8</i> | 0.07746826 | 0.16287986 | 1 |
| <i>TMEM146</i> | 0.07746386 | 0.16290384 | 1 |
| <i>DIO3</i> | 0.0773795 | 0.16336371 | 1 |
| <i>C19orf47</i> | 0.077326 | 0.16365583 | 1 |
| <i>KANK1</i> | 0.07730083 | 0.16379342 | 1 |
| <i>SPEF1</i> | 0.07728232 | 0.16389469 | 1 |
| <i>NAALADL2</i> | 0.07727864 | 0.1639148 | 1 |
| <i>DYRK4</i> | 0.07724938 | 0.16407492 | 1 |
| <i>MORN3</i> | 0.07716499 | 0.16453745 | 1 |

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| <i>S100BP</i> | 0.07707762 | 0.16501732 | 1 |
| <i>FAM92A3</i> | 0.07704543 | 0.16519442 | 1 |
| <i>ESYT2</i> | 0.07696138 | 0.16565739 | 1 |
| <i>BPIL2</i> | 0.0769009 | 0.16599116 | 1 |
| <i>TTY18</i> | 0.07681529 | 0.16646447 | 1 |
| <i>ZFAND2A</i> | 0.07678048 | 0.16665719 | 1 |
| <i>ATP6V0A4</i> | 0.07674667 | 0.16684454 | 1 |
| <i>ZNF638</i> | 0.07669566 | 0.16712753 | 1 |
| <i>LOC541473</i> | 0.07666439 | 0.16730118 | 1 |
| <i>TUBA3E</i> | 0.07666203 | 0.16731428 | 1 |
| <i>C7orf69</i> | 0.07655516 | 0.16790884 | 1 |
| <i>FTSJD1</i> | 0.07649811 | 0.16822683 | 1 |
| <i>CDX2</i> | 0.07642844 | 0.16861578 | 1 |
| <i>SMAD6</i> | 0.0764 | 0.16877477 | 1 |
| <i>CGB8</i> | 0.0763249 | 0.1691951 | 1 |
| <i>GABRA4</i> | 0.07631406 | 0.16925584 | 1 |
| <i>GUSBL1</i> | 0.07628275 | 0.16943138 | 1 |
| <i>RNPC3</i> | 0.07622275 | 0.16976811 | 1 |
| <i>C3orf22</i> | 0.0761625 | 0.17010671 | 1 |
| <i>FBXW12</i> | 0.07611782 | 0.1703582 | 1 |
| <i>CSAD</i> | 0.07611427 | 0.1703782 | 1 |
| <i>C17orf70</i> | 0.07603921 | 0.17080125 | 1 |
| <i>FBXO16</i> | 0.07603786 | 0.17080888 | 1 |
| <i>CWC25</i> | 0.07602901 | 0.17085879 | 1 |
| <i>CYB5RL</i> | 0.07601956 | 0.17091217 | 1 |
| <i>PPP2R5C</i> | 0.07599062 | 0.17107555 | 1 |
| <i>RAB40A</i> | 0.07596294 | 0.17123197 | 1 |
| <i>C2orf53</i> | 0.0759164 | 0.17149517 | 1 |
| <i>MYCN</i> | 0.07585047 | 0.1718686 | 1 |
| <i>MYO6</i> | 0.07574505 | 0.1724669 | 1 |
| <i>RXFP3</i> | 0.07568842 | 0.17278894 | 1 |
| <i>CLCC1</i> | 0.07565983 | 0.17295169 | 1 |
| <i>TMCO2</i> | 0.07564231 | 0.17305147 | 1 |
| <i>NEK10</i> | 0.0755562 | 0.17354254 | 1 |
| <i>KIAA1210</i> | 0.07540961 | 0.17438096 | 1 |
| <i>MEG8</i> | 0.07538678 | 0.17451179 | 1 |
| <i>RAET1E</i> | 0.07535947 | 0.17466843 | 1 |
| <i>MSX2P1</i> | 0.07534308 | 0.17476249 | 1 |
| <i>GPR32</i> | 0.07532853 | 0.17484601 | 1 |
| <i>BTBD2</i> | 0.07528449 | 0.17509897 | 1 |
| <i>RINL</i> | 0.07527624 | 0.17514635 | 1 |
| <i>FAHD2A</i> | 0.07519785 | 0.17559744 | 1 |
| <i>FSTL3</i> | 0.07518925 | 0.17564693 | 1 |
| <i>EPHX3</i> | 0.07517521 | 0.17572785 | 1 |
| <i>CYP11B2</i> | 0.07516653 | 0.1757779 | 1 |
| <i>PART1</i> | 0.07503098 | 0.17656041 | 1 |
| <i>FAAH</i> | 0.07492371 | 0.17718156 | 1 |
| <i>TCHH</i> | 0.07490911 | 0.17726624 | 1 |
| <i>ALG14</i> | 0.07480227 | 0.17788666 | 1 |
| <i>PRM2</i> | 0.07475434 | 0.17816555 | 1 |
| <i>ZNF589</i> | 0.0747091 | 0.17842906 | 1 |

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| <i>FKBP6</i> | 0.07468916 | 0.17854529 | 1 |
| <i>HAMP</i> | 0.07467581 | 0.17862315 | 1 |
| <i>DIO3OS</i> | 0.07463067 | 0.17888657 | 1 |
| <i>PPP1R15A</i> | 0.07462878 | 0.17889763 | 1 |
| <i>ZNF234</i> | 0.07460845 | 0.17901633 | 1 |
| <i>CCDC112</i> | 0.07459529 | 0.17909328 | 1 |
| <i>CD9</i> | 0.07456237 | 0.17928571 | 1 |
| <i>MSLNL</i> | 0.07450584 | 0.17961655 | 1 |
| <i>ATP6V0B</i> | 0.0744768 | 0.17978669 | 1 |
| <i>INHA</i> | 0.07438257 | 0.18033962 | 1 |
| <i>ASB17</i> | 0.07437798 | 0.18036659 | 1 |
| <i>HTN3</i> | 0.07430048 | 0.18082228 | 1 |
| <i>KCTD19</i> | 0.07428708 | 0.18090118 | 1 |
| <i>C1orf216</i> | 0.0742762 | 0.18096525 | 1 |
| <i>SFTA3</i> | 0.07423179 | 0.18122692 | 1 |
| <i>OR5P3</i> | 0.07421681 | 0.18131527 | 1 |
| <i>ZNF141</i> | 0.07412335 | 0.18186706 | 1 |
| <i>SNORA21</i> | 0.074121 | 0.18188094 | 1 |
| <i>AMOT</i> | 0.07400592 | 0.18256214 | 1 |
| <i>FAF2</i> | 0.07395501 | 0.18286408 | 1 |
| <i>RNASE9</i> | 0.07387046 | 0.18336637 | 1 |
| <i>RBP4</i> | 0.07384525 | 0.18351635 | 1 |
| <i>USP49</i> | 0.0738259 | 0.18363155 | 1 |
| <i>VHL</i> | 0.07379729 | 0.1838019 | 1 |
| <i>ATP5S</i> | 0.07378478 | 0.18387643 | 1 |
| <i>COL5A1</i> | 0.07377606 | 0.18392843 | 1 |
| <i>MAGEB16</i> | 0.07377003 | 0.18396434 | 1 |
| <i>HIST1H2BH</i> | 0.07376903 | 0.18397032 | 1 |
| <i>NOMO3</i> | 0.07376775 | 0.18397795 | 1 |
| <i>CGB7</i> | 0.07372512 | 0.18423222 | 1 |
| <i>THAP11</i> | 0.07363092 | 0.18479497 | 1 |
| <i>GSTA3</i> | 0.07362766 | 0.18481444 | 1 |
| <i>AMDHD1</i> | 0.07360035 | 0.18497788 | 1 |
| <i>ZIC2</i> | 0.07359892 | 0.18498645 | 1 |
| <i>MBNL2</i> | 0.07357698 | 0.18511781 | 1 |
| <i>NCRNA0005</i> | 0.07356458 | 0.18519207 | 1 |
| <i>TCAM1P</i> | 0.07355807 | 0.18523106 | 1 |
| <i>OR2D2</i> | 0.07352498 | 0.18542941 | 1 |
| <i>CYP4X1</i> | 0.0735102 | 0.18551801 | 1 |
| <i>DDX19B</i> | 0.07335111 | 0.18647409 | 1 |
| <i>OR5L1</i> | 0.07334717 | 0.18649782 | 1 |
| <i>MYO3B</i> | 0.07333551 | 0.18656804 | 1 |
| <i>ZNF501</i> | 0.07332432 | 0.18663545 | 1 |
| <i>KRTAP5-7</i> | 0.07328874 | 0.18684989 | 1 |
| <i>DUSP23</i> | 0.07325365 | 0.18706155 | 1 |
| <i>TMEM160</i> | 0.07319983 | 0.18738653 | 1 |
| <i>MC2R</i> | 0.07318421 | 0.18748094 | 1 |
| <i>TEX13B</i> | 0.07314485 | 0.18771899 | 1 |
| <i>DGCR6</i> | 0.07310586 | 0.187955 | 1 |
| <i>RPS19BP1</i> | 0.07306324 | 0.18821323 | 1 |
| <i>CFLP1</i> | 0.07305558 | 0.18825966 | 1 |

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|-------------------|------------|------------|---|
| <i>PNMA5</i> | 0.07299877 | 0.18860435 | 1 |
| <i>SBDS</i> | 0.07293663 | 0.18898192 | 1 |
| <i>DCP1B</i> | 0.07290387 | 0.18918116 | 1 |
| <i>MURC</i> | 0.07287587 | 0.18935156 | 1 |
| <i>GLIPR1L1</i> | 0.07281134 | 0.18974484 | 1 |
| <i>HIST2H2AC</i> | 0.07277078 | 0.18999228 | 1 |
| <i>SCARNA14</i> | 0.07270296 | 0.1904066 | 1 |
| <i>TNFSF4</i> | 0.07266809 | 0.19061983 | 1 |
| <i>BRD2</i> | 0.07266048 | 0.19066643 | 1 |
| <i>?J8225</i> | 0.07260274 | 0.19102 | 1 |
| <i>SMAGP</i> | 0.07248568 | 0.1917384 | 1 |
| <i>SPRR1B</i> | 0.07247912 | 0.19177872 | 1 |
| <i>FAM157B</i> | 0.07247814 | 0.19178475 | 1 |
| <i>FSCB</i> | 0.07247604 | 0.19179764 | 1 |
| <i>TUG1</i> | 0.07246184 | 0.19188491 | 1 |
| <i>ADAM5P</i> | 0.07245139 | 0.19194916 | 1 |
| <i>CD164L2</i> | 0.07242824 | 0.19209162 | 1 |
| <i>AGGF1</i> | 0.07231941 | 0.19276214 | 1 |
| <i>LOC441208</i> | 0.07231225 | 0.19280634 | 1 |
| <i>MDN1</i> | 0.07223276 | 0.19329723 | 1 |
| <i>THNSL2</i> | 0.07222969 | 0.1933162 | 1 |
| <i>CNTNAP2</i> | 0.07220758 | 0.19345293 | 1 |
| <i>MAP3K8</i> | 0.07216698 | 0.19370419 | 1 |
| <i>OR2H2</i> | 0.07216286 | 0.19372965 | 1 |
| <i>KLK9</i> | 0.07210294 | 0.19410095 | 1 |
| <i>ITGA11</i> | 0.07208266 | 0.1942267 | 1 |
| <i>SFRS15</i> | 0.07205461 | 0.19440077 | 1 |
| <i>SLURP1</i> | 0.07202054 | 0.19461232 | 1 |
| <i>PHKG2</i> | 0.07200765 | 0.19469247 | 1 |
| <i>SNAR-C4</i> | 0.07199184 | 0.19479073 | 1 |
| <i>RNF13</i> | 0.07195907 | 0.19499451 | 1 |
| <i>ATAD1</i> | 0.07178617 | 0.19607234 | 1 |
| <i>CDC40</i> | 0.07174103 | 0.1963544 | 1 |
| <i>ITIH5L</i> | 0.07170927 | 0.19655309 | 1 |
| <i>CRYZ</i> | 0.07159641 | 0.19726022 | 1 |
| <i>LRGUK</i> | 0.07156376 | 0.19746514 | 1 |
| <i>OR2T11</i> | 0.07152237 | 0.19772513 | 1 |
| <i>C14orf119</i> | 0.07150144 | 0.19785672 | 1 |
| <i>KRTAP10-12</i> | 0.07147415 | 0.19802837 | 1 |
| <i>OR56A4</i> | 0.07144429 | 0.19821627 | 1 |
| <i>HOXA4</i> | 0.07139418 | 0.19853196 | 1 |
| <i>PAPL</i> | 0.07117297 | 0.19992987 | 1 |
| <i>NLRP11</i> | 0.07111001 | 0.20032906 | 1 |
| <i>TMEM187</i> | 0.07093694 | 0.20142934 | 1 |
| <i>PRAF2</i> | 0.07093645 | 0.20143245 | 1 |
| <i>NEIL2</i> | 0.07093391 | 0.20144862 | 1 |
| <i>ZNF286A</i> | 0.07090273 | 0.20164736 | 1 |
| <i>MDM4</i> | 0.07088446 | 0.20176386 | 1 |
| <i>ZNF432</i> | 0.07087023 | 0.20185461 | 1 |
| <i>ZKSCAN4</i> | 0.07080763 | 0.20225424 | 1 |
| <i>HAPLN3</i> | 0.07069811 | 0.20295485 | 1 |

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| <i>HEATR4</i> | 0.0706884 | 0.20301705 | 1 |
| <i>ZIC5</i> | 0.07068732 | 0.20302396 | 1 |
| <i>LCN1</i> | 0.070685 | 0.20303883 | 1 |
| <i>BACE2</i> | 0.07067425 | 0.20310774 | 1 |
| <i>LASS6</i> | 0.07046798 | 0.20443275 | 1 |
| <i>IP6K2</i> | 0.07045723 | 0.20450195 | 1 |
| <i>TEX264</i> | 0.07044771 | 0.20456327 | 1 |
| <i>CA13</i> | 0.07040672 | 0.20482741 | 1 |
| <i>GSC</i> | 0.07039071 | 0.20493071 | 1 |
| <i>RABGEF1</i> | 0.07027538 | 0.20567553 | 1 |
| <i>YTHDF2</i> | 0.07002908 | 0.20727281 | 1 |
| <i>IL17RD</i> | 0.07000823 | 0.20740848 | 1 |
| <i>MDH1B</i> | 0.06997695 | 0.20761203 | 1 |
| <i>HTR1F</i> | 0.06996466 | 0.2076921 | 1 |
| <i>DNAH17</i> | 0.06992451 | 0.20795367 | 1 |
| <i>MBD3</i> | 0.06989835 | 0.20812427 | 1 |
| <i>TMEM99</i> | 0.06989138 | 0.20816974 | 1 |
| <i>RAB2A</i> | 0.06985929 | 0.20837919 | 1 |
| <i>KIF2A</i> | 0.06985808 | 0.20838704 | 1 |
| <i>CDK16</i> | 0.06985203 | 0.20842658 | 1 |
| <i>TMEM88B</i> | 0.06983329 | 0.20854893 | 1 |
| <i>CBFA2T2</i> | 0.06980828 | 0.20871235 | 1 |
| <i>EID2</i> | 0.0697027 | 0.20940328 | 1 |
| <i>PELP1</i> | 0.06965391 | 0.20972307 | 1 |
| <i>PLSCR3</i> | 0.06964815 | 0.20976085 | 1 |
| <i>KIAA1958</i> | 0.06962662 | 0.20990213 | 1 |
| <i>C6orf218</i> | 0.06959008 | 0.210142 | 1 |
| <i>FAM182B</i> | 0.06957407 | 0.21024722 | 1 |
| <i>SEC22C</i> | 0.06936654 | 0.21161396 | 1 |
| <i>ZNF675</i> | 0.06936044 | 0.21165424 | 1 |
| <i>IGFBP7</i> | 0.06934691 | 0.21174356 | 1 |
| <i>BAT2L2</i> | 0.06934262 | 0.21177187 | 1 |
| <i>C2orf78</i> | 0.06929454 | 0.21208962 | 1 |
| <i>FATE1</i> | 0.0692278 | 0.21253123 | 1 |
| <i>RP2</i> | 0.06922158 | 0.21257238 | 1 |
| <i>PLOD1</i> | 0.06921595 | 0.21260974 | 1 |
| <i>MEPE</i> | 0.069196 | 0.21274189 | 1 |
| <i>SPANXB2</i> | 0.06917669 | 0.21286985 | 1 |
| <i>SH2D3A</i> | 0.06916643 | 0.21293788 | 1 |
| <i>ACCN4</i> | 0.06906763 | 0.21359376 | 1 |
| <i>SUDS3</i> | 0.06904395 | 0.21375117 | 1 |
| <i>FAM66D</i> | 0.06892606 | 0.21453605 | 1 |
| <i>C2orf27B</i> | 0.06886254 | 0.21495981 | 1 |
| <i>ESYT3</i> | 0.06884047 | 0.21510718 | 1 |
| <i>AWAT1</i> | 0.06874598 | 0.21573897 | 1 |
| <i>ZAN</i> | 0.06866321 | 0.21629349 | 1 |
| <i>TRIM43</i> | 0.06860623 | 0.21667582 | 1 |
| <i>POF1B</i> | 0.06860536 | 0.21668166 | 1 |
| <i>FLJ39739</i> | 0.06843682 | 0.21781539 | 1 |
| <i>PRAME</i> | 0.06843056 | 0.2178576 | 1 |
| <i>UPK3BL</i> | 0.06828643 | 0.21883066 | 1 |

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| <i>EIF4H</i> | 0.06821798 | 0.21929387 | 1 |
| <i>ARMC9</i> | 0.06818917 | 0.21948898 | 1 |
| <i>HRG</i> | 0.06811021 | 0.22002458 | 1 |
| <i>DOK1</i> | 0.0680951 | 0.2201271 | 1 |
| <i>C6orf227</i> | 0.06802783 | 0.22058425 | 1 |
| <i>C2CD4B</i> | 0.06798592 | 0.22086941 | 1 |
| <i>ZSCAN12</i> | 0.06797156 | 0.22096718 | 1 |
| <i>FOXD4L2</i> | 0.06790486 | 0.22142167 | 1 |
| <i>SAMD4B</i> | 0.06785968 | 0.22172989 | 1 |
| <i>PAR4</i> | 0.06785045 | 0.22179293 | 1 |
| <i>WNK4</i> | 0.06778912 | 0.22221192 | 1 |
| <i>UBE2A</i> | 0.0677547 | 0.22244728 | 1 |
| <i>OR52K2</i> | 0.0677383 | 0.22255952 | 1 |
| <i>ZNF445</i> | 0.0676914 | 0.22288065 | 1 |
| <i>MUCL1</i> | 0.06768068 | 0.22295411 | 1 |
| <i>FBXL18</i> | 0.06761508 | 0.22340393 | 1 |
| <i>PLA2G3</i> | 0.06760553 | 0.22346947 | 1 |
| <i>PRKX</i> | 0.06756425 | 0.22375296 | 1 |
| <i>GPAA1</i> | 0.06749085 | 0.22425764 | 1 |
| <i>SNORA15</i> | 0.06737988 | 0.22502216 | 1 |
| <i>ESPNP</i> | 0.06735007 | 0.22522788 | 1 |
| <i>C2orf39</i> | 0.06734507 | 0.22526237 | 1 |
| <i>AHR</i> | 0.06731292 | 0.22548434 | 1 |
| <i>C3orf14</i> | 0.06725462 | 0.22588736 | 1 |
| <i>ZNF292</i> | 0.06724034 | 0.22598617 | 1 |
| <i>RAB11FIP3</i> | 0.06718291 | 0.22638375 | 1 |
| <i>H3F3C</i> | 0.06702524 | 0.22747786 | 1 |
| <i>CSAG1</i> | 0.0669742 | 0.22783282 | 1 |
| <i>OR11H4</i> | 0.06694378 | 0.22804456 | 1 |
| <i>TULP1</i> | 0.06690349 | 0.22832528 | 1 |
| <i>C12orf50</i> | 0.06686371 | 0.22860266 | 1 |
| <i>HIST1H2BM</i> | 0.0667905 | 0.2291137 | 1 |
| <i>KCNE1L</i> | 0.06677688 | 0.22920885 | 1 |
| <i>XRRA1</i> | 0.06669935 | 0.22975113 | 1 |
| <i>CLASP2</i> | 0.06666868 | 0.22996596 | 1 |
| <i>C9orf40</i> | 0.06665886 | 0.23003474 | 1 |
| <i>HMGCS1</i> | 0.06660851 | 0.23038771 | 1 |
| <i>BEAN</i> | 0.06656401 | 0.23069998 | 1 |
| <i>SNORA22</i> | 0.06650261 | 0.23113129 | 1 |
| <i>SEPX1</i> | 0.06647788 | 0.23130525 | 1 |
| <i>CDSN</i> | 0.06647635 | 0.231316 | 1 |
| <i>ZNF227</i> | 0.06646665 | 0.23138418 | 1 |
| <i>GRTP1</i> | 0.06644629 | 0.23152751 | 1 |
| <i>TSPAN12</i> | 0.06642436 | 0.2316819 | 1 |
| <i>LIAS</i> | 0.06633245 | 0.23232971 | 1 |
| <i>GDF9</i> | 0.06632753 | 0.23236444 | 1 |
| <i>BEND7</i> | 0.06631211 | 0.23247328 | 1 |
| <i>IHH</i> | 0.06630523 | 0.23252183 | 1 |
| <i>ARMS2</i> | 0.06619762 | 0.23328245 | 1 |
| <i>CXorf49B</i> | 0.06617962 | 0.23340985 | 1 |
| <i>HIST1H2AM</i> | 0.06613141 | 0.2337513 | 1 |

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| <i>LOC145474</i> | 0.06606027 | 0.23425579 | 1 |
| <i>PAX3</i> | 0.06603537 | 0.23443252 | 1 |
| <i>VAV3</i> | 0.06602845 | 0.23448171 | 1 |
| <i>CTAGE4</i> | 0.06599474 | 0.23472119 | 1 |
| <i>GPR113</i> | 0.06569225 | 0.23687794 | 1 |
| <i>ZNF384</i> | 0.06558245 | 0.23766418 | 1 |
| <i>CDHR1</i> | 0.06557462 | 0.23772037 | 1 |
| <i>TAL2</i> | 0.06553335 | 0.23801641 | 1 |
| <i>OR5211</i> | 0.06553268 | 0.23802125 | 1 |
| <i>SUMO1P1</i> | 0.06548047 | 0.23839616 | 1 |
| <i>LOC339568</i> | 0.06547898 | 0.23840689 | 1 |
| <i>GOLGA2P3</i> | 0.06547898 | 0.23840689 | 1 |
| <i>LOC219347</i> | 0.06542471 | 0.23879703 | 1 |
| <i>CCDC94</i> | 0.0653644 | 0.23923117 | 1 |
| <i>HIST2H3D</i> | 0.06524762 | 0.24007333 | 1 |
| <i>HES1</i> | 0.06521712 | 0.24029363 | 1 |
| <i>DYSFIP1</i> | 0.06510682 | 0.24109148 | 1 |
| <i>OR9K2</i> | 0.06502748 | 0.24166657 | 1 |
| <i>OR4N3P</i> | 0.06497902 | 0.24201826 | 1 |
| <i>IFNB1</i> | 0.06491355 | 0.242494 | 1 |
| <i>TTC37</i> | 0.0648928 | 0.24264494 | 1 |
| <i>ZC3H12B</i> | 0.06487423 | 0.24278 | 1 |
| <i>?1553137</i> | 0.06479618 | 0.2433485 | 1 |
| <i>GPD1</i> | 0.06478621 | 0.24342119 | 1 |
| <i>IQCF1</i> | 0.06475436 | 0.24365346 | 1 |
| <i>LARP6</i> | 0.0647415 | 0.24374732 | 1 |
| <i>SARS</i> | 0.06473941 | 0.24376254 | 1 |
| <i>OR4C12</i> | 0.06470417 | 0.24401985 | 1 |
| <i>EIF2AK4</i> | 0.0646604 | 0.24433963 | 1 |
| <i>CROCCL1</i> | 0.06454146 | 0.2452102 | 1 |
| <i>CNOT6</i> | 0.06452108 | 0.24535956 | 1 |
| <i>SEBOX</i> | 0.06448443 | 0.24562836 | 1 |
| <i>SLC25A31</i> | 0.0644823 | 0.24564403 | 1 |
| <i>CA5A</i> | 0.06447762 | 0.24567837 | 1 |
| <i>C14orf2</i> | 0.06447576 | 0.24569199 | 1 |
| <i>FASTK</i> | 0.06445956 | 0.24581093 | 1 |
| <i>ZNF681</i> | 0.06440033 | 0.24624596 | 1 |
| <i>GUK1</i> | 0.06438516 | 0.24635752 | 1 |
| <i>LOC285692</i> | 0.06430142 | 0.2469737 | 1 |
| <i>DKFZp434L1</i> | 0.06424137 | 0.24741625 | 1 |
| <i>C14orf128</i> | 0.0641884 | 0.24780707 | 1 |
| <i>KDM4D</i> | 0.06408141 | 0.24859777 | 1 |
| <i>GOLGA8F</i> | 0.06406487 | 0.24872018 | 1 |
| <i>SCNN1D</i> | 0.06392212 | 0.2497783 | 1 |
| <i>FHL3</i> | 0.06388876 | 0.25002605 | 1 |
| <i>IL1RL2</i> | 0.06388817 | 0.25003041 | 1 |
| <i>FKBP7</i> | 0.0638694 | 0.25016988 | 1 |
| <i>MSL2</i> | 0.06386123 | 0.25023058 | 1 |
| <i>SNORA52</i> | 0.06381397 | 0.250582 | 1 |
| <i>HIST1H2BA</i> | 0.06378976 | 0.25076214 | 1 |
| <i>CRYBA4</i> | 0.06374753 | 0.25107665 | 1 |

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| <i>LOC653544</i> | 0.06370405 | 0.25140073 | 1 |
| <i>GCHFR</i> | 0.06369383 | 0.2514769 | 1 |
| <i>ZNF311</i> | 0.06367304 | 0.251632 | 1 |
| <i>IL20</i> | 0.06363439 | 0.25192052 | 1 |
| <i>C17orf78</i> | 0.06357299 | 0.25237932 | 1 |
| <i>CNOT2</i> | 0.06354067 | 0.25262107 | 1 |
| <i>C9orf23</i> | 0.06351798 | 0.25279084 | 1 |
| <i>RFPL4B</i> | 0.06349762 | 0.25294324 | 1 |
| <i>PI4KAP1</i> | 0.06348418 | 0.25304389 | 1 |
| <i>PTOV1</i> | 0.06347666 | 0.2531003 | 1 |
| <i>IL22RA1</i> | 0.06347493 | 0.25311322 | 1 |
| <i>AQP2</i> | 0.06345623 | 0.25325336 | 1 |
| <i>ENSA</i> | 0.06343814 | 0.25338893 | 1 |
| <i>SCARNA8</i> | 0.06343428 | 0.25341791 | 1 |
| <i>ZNF177</i> | 0.06341924 | 0.25353065 | 1 |
| <i>PDZK1IP1</i> | 0.06335871 | 0.25398499 | 1 |
| <i>C9orf53</i> | 0.06333149 | 0.25418947 | 1 |
| <i>DEGS1</i> | 0.06327507 | 0.2546136 | 1 |
| <i>CHAC2</i> | 0.06320123 | 0.25516949 | 1 |
| <i>CLTCL1</i> | 0.06315568 | 0.25551283 | 1 |
| <i>LCN2</i> | 0.06303584 | 0.25641769 | 1 |
| <i>DDRGK1</i> | 0.06303203 | 0.25644648 | 1 |
| <i>NSL1</i> | 0.06299509 | 0.25672583 | 1 |
| <i>COMTD1</i> | 0.06289233 | 0.25750413 | 1 |
| <i>PCYT2</i> | 0.06280391 | 0.2581751 | 1 |
| <i>C3orf37</i> | 0.06276773 | 0.25844996 | 1 |
| <i>CCDC114</i> | 0.06275358 | 0.25855754 | 1 |
| <i>PLUNC</i> | 0.06272519 | 0.25877345 | 1 |
| <i>ALKBH1</i> | 0.0625721 | 0.25993987 | 1 |
| <i>C9orf150</i> | 0.06252397 | 0.26030731 | 1 |
| <i>OR2J3</i> | 0.06244136 | 0.26093883 | 1 |
| <i>ARMCX6</i> | 0.06243459 | 0.26099062 | 1 |
| <i>C10orf110</i> | 0.06241835 | 0.26111494 | 1 |
| <i>SOD1</i> | 0.06239534 | 0.26129109 | 1 |
| <i>SNORA53</i> | 0.06234241 | 0.2616967 | 1 |
| <i>C9orf41</i> | 0.06232616 | 0.26182129 | 1 |
| <i>SAA2</i> | 0.06226666 | 0.26227783 | 1 |
| <i>C4orf14</i> | 0.0621873 | 0.26288769 | 1 |
| <i>FAT1</i> | 0.06211338 | 0.26345656 | 1 |
| <i>MAF1</i> | 0.06208051 | 0.26370983 | 1 |
| <i>TMEM212</i> | 0.06207459 | 0.26375543 | 1 |
| <i>SPDYE8P</i> | 0.06198613 | 0.26443786 | 1 |
| <i>LANCL1</i> | 0.06195802 | 0.26465499 | 1 |
| <i>CLEC18B</i> | 0.06194272 | 0.26477324 | 1 |
| <i>ASAH2</i> | 0.06191469 | 0.26498992 | 1 |
| <i>CCDC70</i> | 0.0619059 | 0.26505788 | 1 |
| <i>TYR</i> | 0.06187315 | 0.26531125 | 1 |
| <i>14-Sep</i> | 0.06186229 | 0.26539532 | 1 |
| <i>AQP9</i> | 0.06179896 | 0.2658858 | 1 |
| <i>C2orf86</i> | 0.06173985 | 0.2663442 | 1 |
| <i>RPAP1</i> | 0.06166496 | 0.26692581 | 1 |

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| <i>ALCAM</i> | 0.06165294 | 0.26701922 | 1 |
| <i>LCE1D</i> | 0.0616306 | 0.26719293 | 1 |
| <i>FLJ43860</i> | 0.06158296 | 0.26756356 | 1 |
| <i>SNORA34</i> | 0.06157086 | 0.26765773 | 1 |
| <i>DEFB4A</i> | 0.06153272 | 0.26795481 | 1 |
| <i>OR4F15</i> | 0.06132696 | 0.26956133 | 1 |
| <i>PLBD1</i> | 0.06131816 | 0.26963013 | 1 |
| <i>RBMXL1</i> | 0.06130071 | 0.26976672 | 1 |
| <i>NDUFB2</i> | 0.06128217 | 0.26991189 | 1 |
| <i>CD1A</i> | 0.06124606 | 0.27019478 | 1 |
| <i>NFE2</i> | 0.06119337 | 0.27060787 | 1 |
| <i>USP37</i> | 0.06117382 | 0.27076124 | 1 |
| <i>TRAPPC4</i> | 0.06116673 | 0.27081686 | 1 |
| <i>SLC2A9</i> | 0.06113572 | 0.27106034 | 1 |
| <i>GHRLOS</i> | 0.06112621 | 0.27113501 | 1 |
| <i>OR10A5</i> | 0.06111592 | 0.27121584 | 1 |
| <i>FANCC</i> | 0.06111017 | 0.27126107 | 1 |
| <i>SPATA9</i> | 0.06107364 | 0.27154817 | 1 |
| <i>C8orf74</i> | 0.06104939 | 0.27173892 | 1 |
| <i>RECQL5</i> | 0.06100812 | 0.27206366 | 1 |
| <i>CEP68</i> | 0.06099945 | 0.27213196 | 1 |
| <i>C1orf213</i> | 0.0609807 | 0.27227964 | 1 |
| <i>MRPS18C</i> | 0.06096653 | 0.27239129 | 1 |
| <i>SMURF1</i> | 0.06091682 | 0.27278317 | 1 |
| <i>HMGB4</i> | 0.06086721 | 0.27317458 | 1 |
| <i>REG3A</i> | 0.06085721 | 0.27325361 | 1 |
| <i>KIAA1543</i> | 0.06082282 | 0.27352524 | 1 |
| <i>PIH1D1</i> | 0.06081055 | 0.27362222 | 1 |
| <i>DGKK</i> | 0.06078403 | 0.27383185 | 1 |
| <i>TBC1D5</i> | 0.06077861 | 0.27387471 | 1 |
| <i>VN1R2</i> | 0.06071803 | 0.27435414 | 1 |
| <i>ENTPD2</i> | 0.06061597 | 0.27516304 | 1 |
| <i>SLC41A1</i> | 0.06060819 | 0.27522481 | 1 |
| <i>EPCAM</i> | 0.06058586 | 0.27540201 | 1 |
| <i>TMEM190</i> | 0.0605747 | 0.27549061 | 1 |
| <i>FAM170A</i> | 0.06048978 | 0.27616551 | 1 |
| <i>ZNF561</i> | 0.06025369 | 0.27804763 | 1 |
| <i>WRB</i> | 0.06024542 | 0.27811367 | 1 |
| <i>HES7</i> | 0.06015621 | 0.2788272 | 1 |
| <i>LOC650293</i> | 0.06009159 | 0.27934483 | 1 |
| <i>LOC1001328</i> | 0.05998908 | 0.28016736 | 1 |
| <i>INHBC</i> | 0.05991736 | 0.28074381 | 1 |
| <i>TEX261</i> | 0.05989478 | 0.28092541 | 1 |
| <i>BASE</i> | 0.05989279 | 0.28094148 | 1 |
| <i>PRM1</i> | 0.05989279 | 0.28094148 | 1 |
| <i>DUS2L</i> | 0.05988594 | 0.28099656 | 1 |
| <i>C13orf16</i> | 0.05987382 | 0.28109411 | 1 |
| <i>SNORA66</i> | 0.05982691 | 0.28147191 | 1 |
| <i>SNAR-B2</i> | 0.0598247 | 0.2814897 | 1 |
| <i>SNX13</i> | 0.05976646 | 0.28195919 | 1 |
| <i>ALOX12P2</i> | 0.05974018 | 0.28217124 | 1 |

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| <i>SERPINB4</i> | 0.05968553 | 0.28261254 | 1 |
| <i>CATSPER2</i> | 0.05964972 | 0.28290189 | 1 |
| <i>ART5</i> | 0.05962307 | 0.2831174 | 1 |
| <i>PADI3</i> | 0.0596173 | 0.28316411 | 1 |
| <i>PNKD</i> | 0.05959701 | 0.28332826 | 1 |
| <i>CRYGC</i> | 0.05957668 | 0.28349278 | 1 |
| <i>MIP</i> | 0.05956878 | 0.28355674 | 1 |
| <i>ANKH</i> | 0.0594497 | 0.28452205 | 1 |
| <i>SRPR</i> | 0.05941415 | 0.28481064 | 1 |
| <i>SNORA51</i> | 0.05934201 | 0.28539694 | 1 |
| <i>ZNRF2</i> | 0.05932928 | 0.28550051 | 1 |
| <i>TMED9</i> | 0.05928538 | 0.28585772 | 1 |
| <i>SIGLEC15</i> | 0.05921552 | 0.28642685 | 1 |
| <i>CRYGB</i> | 0.0592008 | 0.28654687 | 1 |
| <i>SNAPC5</i> | 0.05916839 | 0.2868112 | 1 |
| <i>REPS2</i> | 0.05904166 | 0.2878465 | 1 |
| <i>UCP1</i> | 0.05903327 | 0.28791518 | 1 |
| <i>AQP7P3</i> | 0.05900386 | 0.28815578 | 1 |
| <i>SSX2</i> | 0.05899406 | 0.28823602 | 1 |
| <i>NKX2-1</i> | 0.05897917 | 0.28835798 | 1 |
| <i>C4orf35</i> | 0.05894124 | 0.28866864 | 1 |
| <i>KCNK17</i> | 0.05889829 | 0.28902081 | 1 |
| <i>ZNF705D</i> | 0.05887428 | 0.28921776 | 1 |
| <i>LSM11</i> | 0.0588361 | 0.28953111 | 1 |
| <i>KAZALD1</i> | 0.05881803 | 0.28967956 | 1 |
| <i>POTEB</i> | 0.05879541 | 0.28986535 | 1 |
| <i>LOC339240</i> | 0.0587869 | 0.28993531 | 1 |
| <i>LOC144776</i> | 0.05870154 | 0.29063746 | 1 |
| <i>OR4C15</i> | 0.0587007 | 0.29064442 | 1 |
| <i>CUL7</i> | 0.058697 | 0.29067481 | 1 |
| <i>STK19</i> | 0.058688 | 0.29074892 | 1 |
| <i>ALG2</i> | 0.05866824 | 0.29091168 | 1 |
| <i>C14orf179</i> | 0.05866205 | 0.29096272 | 1 |
| <i>GREB1L</i> | 0.05848263 | 0.29244338 | 1 |
| <i>ABCA17P</i> | 0.0584384 | 0.29280915 | 1 |
| <i>IL26</i> | 0.05840358 | 0.29309732 | 1 |
| <i>NANOS1</i> | 0.05839789 | 0.29314444 | 1 |
| <i>NINL</i> | 0.05835512 | 0.29349864 | 1 |
| <i>MEGF6</i> | 0.05833516 | 0.29366408 | 1 |
| <i>NEK11</i> | 0.05828941 | 0.29404348 | 1 |
| <i>CHKB-CPT1B</i> | 0.05828409 | 0.29408768 | 1 |
| <i>ALG1L2</i> | 0.05826995 | 0.29420498 | 1 |
| <i>KRT76</i> | 0.05816322 | 0.29509173 | 1 |
| <i>TRIM33</i> | 0.05813913 | 0.29529212 | 1 |
| <i>NXF4</i> | 0.05808213 | 0.2957666 | 1 |
| <i>KRTAP5-5</i> | 0.05806512 | 0.2959083 | 1 |
| <i>CEP76</i> | 0.05804163 | 0.29610405 | 1 |
| <i>TPST2</i> | 0.05803378 | 0.29616948 | 1 |
| <i>MICB</i> | 0.05801361 | 0.29633764 | 1 |
| <i>CCDC11</i> | 0.0580136 | 0.29633773 | 1 |
| <i>LRRC15</i> | 0.05800506 | 0.296409 | 1 |

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| <i>ASAH2B</i> | 0.05788614 | 0.29740204 | 1 |
| <i>TPRXL</i> | 0.0578514 | 0.29769251 | 1 |
| <i>FAM100A</i> | 0.0576865 | 0.2990741 | 1 |
| <i>CNIH</i> | 0.05768391 | 0.29909583 | 1 |
| <i>C3orf59</i> | 0.05756083 | 0.30012979 | 1 |
| <i>MIF4GD</i> | 0.05753411 | 0.30035459 | 1 |
| <i>LOC145783</i> | 0.05749478 | 0.30068569 | 1 |
| <i>LIN28B</i> | 0.05748001 | 0.30081003 | 1 |
| <i>POTEH</i> | 0.05745479 | 0.30102255 | 1 |
| <i>PRSS23</i> | 0.05742981 | 0.30123308 | 1 |
| <i>ZP4</i> | 0.05742425 | 0.30127998 | 1 |
| <i>PCYOX1L</i> | 0.0573529 | 0.30188195 | 1 |
| <i>LOC375190</i> | 0.0573399 | 0.30199177 | 1 |
| <i>ZNF605</i> | 0.0573347 | 0.3020357 | 1 |
| <i>C6orf81</i> | 0.05728491 | 0.30245638 | 1 |
| <i>DIAPH1</i> | 0.05726632 | 0.30261355 | 1 |
| <i>FSD2</i> | 0.05722448 | 0.3029675 | 1 |
| <i>SCARNA15</i> | 0.05722231 | 0.30298591 | 1 |
| <i>ZNF283</i> | 0.05711701 | 0.30387798 | 1 |
| <i>HMGN2</i> | 0.05711046 | 0.30393352 | 1 |
| <i>ME3</i> | 0.05710097 | 0.30401402 | 1 |
| <i>MRPL28</i> | 0.05706093 | 0.30435381 | 1 |
| <i>GPR144</i> | 0.05704118 | 0.30452146 | 1 |
| <i>CNNM3</i> | 0.05700836 | 0.30480029 | 1 |
| <i>SNORD115-</i> | 0.05699951 | 0.30487549 | 1 |
| <i>DPPA2</i> | 0.05687092 | 0.30596953 | 1 |
| <i>TGFB2</i> | 0.05686693 | 0.30600353 | 1 |
| <i>EN1</i> | 0.05685745 | 0.30608431 | 1 |
| <i>KLK5</i> | 0.05683813 | 0.30624897 | 1 |
| <i>SESTD1</i> | 0.05674882 | 0.30701084 | 1 |
| <i>SNORA47</i> | 0.05673925 | 0.30709253 | 1 |
| <i>OR5AU1</i> | 0.05670144 | 0.3074155 | 1 |
| <i>TRIB1</i> | 0.05664962 | 0.30785851 | 1 |
| <i>SMC1B</i> | 0.05664102 | 0.30793206 | 1 |
| <i>HBE1</i> | 0.05663399 | 0.30799221 | 1 |
| <i>SLC38A9</i> | 0.05662532 | 0.30806639 | 1 |
| <i>PLA2G12A</i> | 0.05656769 | 0.30855984 | 1 |
| <i>OR7E156P</i> | 0.05655434 | 0.30867424 | 1 |
| <i>KIF3B</i> | 0.05651931 | 0.30897441 | 1 |
| <i>C11orf20</i> | 0.05648398 | 0.30927741 | 1 |
| <i>TRIM77</i> | 0.05645902 | 0.30949158 | 1 |
| <i>DMRTC1</i> | 0.05645073 | 0.30956276 | 1 |
| <i>IMPG1</i> | 0.05640257 | 0.30997641 | 1 |
| <i>AKAP14</i> | 0.05639665 | 0.31002725 | 1 |
| <i>C21orf121</i> | 0.05635698 | 0.31036827 | 1 |
| <i>GALK2</i> | 0.05625026 | 0.3112868 | 1 |
| <i>CLCF1</i> | 0.05620815 | 0.31164974 | 1 |
| <i>OR2G6</i> | 0.0561825 | 0.31187101 | 1 |
| <i>OR2A5</i> | 0.05611503 | 0.31245331 | 1 |
| <i>MAPK14</i> | 0.05607783 | 0.31277471 | 1 |
| <i>ADAM18</i> | 0.05601053 | 0.31335679 | 1 |

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| <i>TMC6</i> | 0.05598091 | 0.31361311 | 1 |
| <i>BRPF1</i> | 0.05596427 | 0.31375725 | 1 |
| <i>C1orf129</i> | 0.05587471 | 0.31453343 | 1 |
| <i>C20orf173</i> | 0.05576915 | 0.31545 | 1 |
| <i>C16orf78</i> | 0.05576852 | 0.31545546 | 1 |
| <i>ALLC</i> | 0.05575146 | 0.31560376 | 1 |
| <i>RGS21</i> | 0.0556791 | 0.31623325 | 1 |
| <i>HIST1H2AD</i> | 0.05564929 | 0.31649284 | 1 |
| <i>PDIA2</i> | 0.05551964 | 0.31762335 | 1 |
| <i>LOC254312</i> | 0.05548403 | 0.31793433 | 1 |
| <i>C2orf66</i> | 0.05546794 | 0.31807492 | 1 |
| <i>PHYHIP1L</i> | 0.05546664 | 0.31808631 | 1 |
| <i>FAM71F2</i> | 0.05545972 | 0.31814674 | 1 |
| <i>GATAD2A</i> | 0.0553456 | 0.31914514 | 1 |
| <i>GABRA6</i> | 0.05530416 | 0.31950818 | 1 |
| <i>DYDC1</i> | 0.05529112 | 0.31962242 | 1 |
| <i>TTC3</i> | 0.05528317 | 0.31969216 | 1 |
| <i>C22orf40</i> | 0.05527631 | 0.31975228 | 1 |
| <i>SPDYE5</i> | 0.0552618 | 0.31987954 | 1 |
| <i>FUK</i> | 0.05510155 | 0.32128697 | 1 |
| <i>BSPH1</i> | 0.05509789 | 0.32131921 | 1 |
| <i>VCX3B</i> | 0.05494705 | 0.32264779 | 1 |
| <i>RAX</i> | 0.05493255 | 0.32277565 | 1 |
| <i>GRIN3B</i> | 0.05488806 | 0.32316836 | 1 |
| <i>TMEM218</i> | 0.05479602 | 0.32398159 | 1 |
| <i>IRS1</i> | 0.05478728 | 0.32405894 | 1 |
| <i>UBE2Q1</i> | 0.054678 | 0.32502638 | 1 |
| <i>FAM25A</i> | 0.05467407 | 0.32506124 | 1 |
| <i>C12orf43</i> | 0.05464655 | 0.32530518 | 1 |
| <i>DEPDC7</i> | 0.05462673 | 0.3254809 | 1 |
| <i>FABP5L3</i> | 0.05458573 | 0.32584473 | 1 |
| <i>SNORA62</i> | 0.05458236 | 0.32587466 | 1 |
| <i>RBBP5</i> | 0.05448936 | 0.32670087 | 1 |
| <i>IKBIP</i> | 0.05446648 | 0.32690431 | 1 |
| <i>NBPF4</i> | 0.05439265 | 0.32756143 | 1 |
| <i>FAM47B</i> | 0.05438172 | 0.32765878 | 1 |
| <i>MYL4</i> | 0.05435564 | 0.32789122 | 1 |
| <i>ZNF296</i> | 0.05431574 | 0.3282469 | 1 |
| <i>CT45A1</i> | 0.0542764 | 0.32859786 | 1 |
| <i>PARP4</i> | 0.05427613 | 0.32860026 | 1 |
| <i>CCR8</i> | 0.05424182 | 0.32890656 | 1 |
| <i>HELB</i> | 0.05420222 | 0.32926031 | 1 |
| <i>STXBP1</i> | 0.05414598 | 0.32976315 | 1 |
| <i>CEBPG</i> | 0.05414577 | 0.32976505 | 1 |
| <i>GALP</i> | 0.05408063 | 0.33034803 | 1 |
| <i>LBX1</i> | 0.05406199 | 0.33051503 | 1 |
| <i>LOC643486</i> | 0.05391268 | 0.3318543 | 1 |
| <i>NHEDC1</i> | 0.05387784 | 0.33216734 | 1 |
| <i>CCDC121</i> | 0.05386237 | 0.33230636 | 1 |
| <i>H2BFWT</i> | 0.05385462 | 0.33237607 | 1 |
| <i>CCDC108</i> | 0.05382615 | 0.33263207 | 1 |

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| <i>SLC19A3</i> | 0.05381832 | 0.33270245 | 1 |
| <i>BARHL2</i> | 0.05381616 | 0.33272191 | 1 |
| <i>VWA1</i> | 0.05379727 | 0.33289192 | 1 |
| <i>PRB2</i> | 0.05378952 | 0.33296165 | 1 |
| <i>PLA2G12B</i> | 0.05377214 | 0.33311809 | 1 |
| <i>TRIM60</i> | 0.05370619 | 0.33371219 | 1 |
| <i>GDI1</i> | 0.05366935 | 0.3340444 | 1 |
| <i>TFAP2A</i> | 0.05365589 | 0.33416582 | 1 |
| <i>DUOXA2</i> | 0.0536396 | 0.33431277 | 1 |
| <i>C5orf47</i> | 0.05362087 | 0.33448185 | 1 |
| <i>HSD17B4</i> | 0.05358856 | 0.33477357 | 1 |
| <i>ALPK3</i> | 0.05357646 | 0.3348829 | 1 |
| <i>GGNBP1</i> | 0.05356928 | 0.33494779 | 1 |
| <i>ACCS</i> | 0.05354656 | 0.33515305 | 1 |
| <i>FOXG1</i> | 0.05354638 | 0.33515474 | 1 |
| <i>KRTAP2-1</i> | 0.05346049 | 0.33593161 | 1 |
| <i>COPS3</i> | 0.05340309 | 0.33645145 | 1 |
| <i>HIST2H2AB</i> | 0.05319984 | 0.3382964 | 1 |
| <i>COL1A2</i> | 0.05317265 | 0.33854371 | 1 |
| <i>OPCML</i> | 0.05316427 | 0.33861995 | 1 |
| <i>KRT26</i> | 0.05312916 | 0.33893951 | 1 |
| <i>SDHAF1</i> | 0.05310969 | 0.33911677 | 1 |
| <i>TYMS</i> | 0.05306823 | 0.33949446 | 1 |
| <i>CA3</i> | 0.05306802 | 0.33949639 | 1 |
| <i>LOC647946</i> | 0.05303068 | 0.33983681 | 1 |
| <i>GSTT2</i> | 0.05302027 | 0.33993172 | 1 |
| <i>DCUN1D4</i> | 0.05302012 | 0.33993314 | 1 |
| <i>LOC283914</i> | 0.05292518 | 0.34079975 | 1 |
| <i>POMZP3</i> | 0.05282485 | 0.34171712 | 1 |
| <i>TRPM1</i> | 0.05282187 | 0.34174443 | 1 |
| <i>LOC284661</i> | 0.05282143 | 0.34174848 | 1 |
| <i>MAK</i> | 0.0527621 | 0.34229167 | 1 |
| <i>MBD3L5</i> | 0.05253066 | 0.34441613 | 1 |
| <i>LOC732275</i> | 0.05242519 | 0.34538704 | 1 |
| <i>PSME2</i> | 0.05241625 | 0.34546945 | 1 |
| <i>FAM22G</i> | 0.05228741 | 0.34665803 | 1 |
| <i>C2orf51</i> | 0.05226938 | 0.34682462 | 1 |
| <i>TBC1D19</i> | 0.0522441 | 0.34705821 | 1 |
| <i>CXorf30</i> | 0.05222365 | 0.34724716 | 1 |
| <i>C11orf16</i> | 0.05221568 | 0.34732089 | 1 |
| <i>SIX6</i> | 0.05217127 | 0.34773169 | 1 |
| <i>KRTAP4-2</i> | 0.05213919 | 0.34802863 | 1 |
| <i>RTN4RL2</i> | 0.05212823 | 0.34813014 | 1 |
| <i>CXorf51</i> | 0.0521276 | 0.34813594 | 1 |
| <i>LOC1001288</i> | 0.0521234 | 0.34817487 | 1 |
| <i>ACMSD</i> | 0.05212049 | 0.34820178 | 1 |
| <i>C16orf42</i> | 0.05202998 | 0.34904071 | 1 |
| <i>PIP4K2B</i> | 0.05202916 | 0.34904828 | 1 |
| <i>TAS2R13</i> | 0.05202891 | 0.34905062 | 1 |
| <i>BOK</i> | 0.05201316 | 0.34919666 | 1 |
| <i>SATL1</i> | 0.05197595 | 0.34954207 | 1 |

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| <i>KRT71</i> | 0.05197401 | 0.34956008 | 1 |
| <i>C9orf21</i> | 0.05195806 | 0.34970819 | 1 |
| <i>GNASAS</i> | 0.05194766 | 0.34980472 | 1 |
| <i>CDC20B</i> | 0.05191248 | 0.35013163 | 1 |
| <i>NTM</i> | 0.05191126 | 0.35014294 | 1 |
| <i>PARS2</i> | 0.05189365 | 0.3503066 | 1 |
| <i>VSTM2B</i> | 0.05182644 | 0.35093179 | 1 |
| <i>DR1</i> | 0.05182267 | 0.35096693 | 1 |
| <i>SLC9A8</i> | 0.05179871 | 0.35119 | 1 |
| <i>FGF23</i> | 0.05172863 | 0.35184291 | 1 |
| <i>HIST2H2BF</i> | 0.05168012 | 0.35229526 | 1 |
| <i>HERC4</i> | 0.05165 | 0.35257643 | 1 |
| <i>GPHN</i> | 0.05163817 | 0.35268688 | 1 |
| <i>PLTP</i> | 0.05161565 | 0.35289713 | 1 |
| <i>TJP2</i> | 0.05157075 | 0.35331664 | 1 |
| <i>C10orf96</i> | 0.05154157 | 0.3535895 | 1 |
| <i>RFNG</i> | 0.05152283 | 0.35376469 | 1 |
| <i>EGFL8</i> | 0.05151513 | 0.35383673 | 1 |
| <i>KRTAP10-10</i> | 0.05150287 | 0.35395148 | 1 |
| <i>LRIT3</i> | 0.05148019 | 0.35416378 | 1 |
| <i>NBPF9</i> | 0.0514261 | 0.35467034 | 1 |
| <i>MPZL2</i> | 0.0513575 | 0.35531347 | 1 |
| <i>C8orf34</i> | 0.0513454 | 0.35542693 | 1 |
| <i>H2BFM</i> | 0.05132521 | 0.35561641 | 1 |
| <i>TP53I13</i> | 0.05131907 | 0.35567401 | 1 |
| <i>PDHA2</i> | 0.05129848 | 0.35586728 | 1 |
| <i>GARNL3</i> | 0.05129028 | 0.3559443 | 1 |
| <i>DEFB103B</i> | 0.05128347 | 0.3560083 | 1 |
| <i>PAGE1</i> | 0.05118097 | 0.35697169 | 1 |
| <i>ZNF805</i> | 0.05107368 | 0.35798195 | 1 |
| <i>IL6</i> | 0.05102152 | 0.35847376 | 1 |
| <i>VCX2</i> | 0.05090409 | 0.35958242 | 1 |
| <i>PYY2</i> | 0.05089683 | 0.35965109 | 1 |
| <i>NSUN7</i> | 0.05080703 | 0.36050052 | 1 |
| <i>DLL4</i> | 0.05075143 | 0.36102701 | 1 |
| <i>TPD52L3</i> | 0.05074029 | 0.36113253 | 1 |
| <i>GALNTL5</i> | 0.05065244 | 0.36196562 | 1 |
| <i>OR2T2</i> | 0.05052272 | 0.36319798 | 1 |
| <i>PTGES</i> | 0.05051749 | 0.36324765 | 1 |
| <i>NAB2</i> | 0.05051512 | 0.36327023 | 1 |
| <i>FAM19A3</i> | 0.05045814 | 0.36381244 | 1 |
| <i>TNK2</i> | 0.05043547 | 0.36402829 | 1 |
| <i>OTOL1</i> | 0.05036676 | 0.36468302 | 1 |
| <i>GATSL2</i> | 0.05035728 | 0.36477338 | 1 |
| <i>TUBB4Q</i> | 0.05035715 | 0.36477458 | 1 |
| <i>LOC90246</i> | 0.0503542 | 0.3648027 | 1 |
| <i>OR52N2</i> | 0.05024502 | 0.3658448 | 1 |
| <i>DNAJC6</i> | 0.05023772 | 0.36591448 | 1 |
| <i>FAM104A</i> | 0.05022297 | 0.36605544 | 1 |
| <i>GABPB2</i> | 0.05021206 | 0.36615976 | 1 |
| <i>KRTAP12-4</i> | 0.05019465 | 0.36632612 | 1 |

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| <i>TRIM16</i> | 0.05012849 | 0.36695907 | 1 |
| <i>LOC348021</i> | 0.05010571 | 0.36717708 | 1 |
| <i>TRIM45</i> | 0.05010438 | 0.36718988 | 1 |
| <i>C9orf89</i> | 0.05007511 | 0.36747012 | 1 |
| <i>SSX7</i> | 0.05006285 | 0.36758755 | 1 |
| <i>WHSC1</i> | 0.04995669 | 0.36860563 | 1 |
| <i>WDR16</i> | 0.04995076 | 0.36866248 | 1 |
| <i>ZDHHC20</i> | 0.04992094 | 0.36894885 | 1 |
| <i>MFAP3L</i> | 0.04990727 | 0.36908011 | 1 |
| <i>RPS26</i> | 0.04989728 | 0.36917611 | 1 |
| <i>EIF3A</i> | 0.04986372 | 0.36949856 | 1 |
| <i>RASGRF1</i> | 0.04975467 | 0.3705476 | 1 |
| <i>NLK</i> | 0.04973446 | 0.3707423 | 1 |
| <i>KDELRL1</i> | 0.04969289 | 0.37114278 | 1 |
| <i>CCDC81</i> | 0.04964838 | 0.37157193 | 1 |
| <i>ZNF252</i> | 0.0495785 | 0.37224636 | 1 |
| <i>NCRNA0017</i> | 0.04950783 | 0.37292908 | 1 |
| <i>C6orf94</i> | 0.04948891 | 0.37311201 | 1 |
| <i>CPA5</i> | 0.04944576 | 0.37352942 | 1 |
| <i>DEX1</i> | 0.0494395 | 0.37359006 | 1 |
| <i>HTR2C</i> | 0.04943153 | 0.37366711 | 1 |
| <i>C15orf60</i> | 0.04942551 | 0.37372541 | 1 |
| <i>RBM10</i> | 0.04940609 | 0.37391347 | 1 |
| <i>RPS28</i> | 0.04939376 | 0.37403281 | 1 |
| <i>LOC387646</i> | 0.04936627 | 0.3742991 | 1 |
| <i>C1orf68</i> | 0.04933674 | 0.37458525 | 1 |
| <i>TFDP3</i> | 0.04933524 | 0.37459984 | 1 |
| <i>LOC1001302</i> | 0.04933466 | 0.37460545 | 1 |
| <i>C9orf50</i> | 0.0493227 | 0.37472144 | 1 |
| <i>ST6GAL2</i> | 0.04919716 | 0.37593978 | 1 |
| <i>NKIRAS2</i> | 0.04908965 | 0.37698516 | 1 |
| <i>HIST1H4I</i> | 0.04906499 | 0.37722519 | 1 |
| <i>PRRG1</i> | 0.04902812 | 0.3775842 | 1 |
| <i>BAT4</i> | 0.04898394 | 0.37801466 | 1 |
| <i>GFM2</i> | 0.04893488 | 0.37849312 | 1 |
| <i>TUBA3C</i> | 0.04885602 | 0.37926294 | 1 |
| <i>ANXA7</i> | 0.04884709 | 0.37935011 | 1 |
| <i>VCAN</i> | 0.04882938 | 0.37952317 | 1 |
| <i>ZNF420</i> | 0.04882349 | 0.37958076 | 1 |
| <i>CLDN10</i> | 0.04881441 | 0.37966944 | 1 |
| <i>FAM24A</i> | 0.04880624 | 0.37974934 | 1 |
| <i>LCORL</i> | 0.04879713 | 0.37983835 | 1 |
| <i>CCNT2</i> | 0.04878422 | 0.37996461 | 1 |
| <i>TRIM11</i> | 0.04878111 | 0.37999505 | 1 |
| <i>PCDHB14</i> | 0.04875778 | 0.38022317 | 1 |
| <i>MLL4</i> | 0.04873329 | 0.38046277 | 1 |
| <i>SPINK9</i> | 0.04865479 | 0.38123155 | 1 |
| <i>TUBBP5</i> | 0.04857597 | 0.38200428 | 1 |
| <i>SNORA71B</i> | 0.0484964 | 0.38278543 | 1 |
| <i>DDAH2</i> | 0.04842243 | 0.38351243 | 1 |
| <i>ESCO1</i> | 0.04837156 | 0.38401288 | 1 |

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|-------------------|------------|------------|---|
| <i>ATP5C1</i> | 0.04837108 | 0.38401765 | 1 |
| <i>KTI12</i> | 0.0483433 | 0.38429111 | 1 |
| <i>ZNF8</i> | 0.04833858 | 0.38433755 | 1 |
| <i>PTPRD</i> | 0.04831529 | 0.38456694 | 1 |
| <i>OR51G2</i> | 0.04828757 | 0.38484003 | 1 |
| <i>HSCB</i> | 0.0482768 | 0.38494619 | 1 |
| <i>PRKCG</i> | 0.04825413 | 0.38516967 | 1 |
| <i>SPANXC</i> | 0.04822631 | 0.38544412 | 1 |
| <i>GANAB</i> | 0.04822497 | 0.38545729 | 1 |
| <i>SAA1</i> | 0.04821382 | 0.38556731 | 1 |
| <i>SMR3B</i> | 0.04820368 | 0.38566729 | 1 |
| <i>AACSL</i> | 0.04817584 | 0.38594214 | 1 |
| <i>ZNF506</i> | 0.04815178 | 0.3861797 | 1 |
| <i>DENND4B</i> | 0.04814277 | 0.3862687 | 1 |
| <i>EMID2</i> | 0.04808051 | 0.38688389 | 1 |
| <i>C10orf11</i> | 0.04805883 | 0.38709826 | 1 |
| <i>ARMCX3</i> | 0.04802384 | 0.38744447 | 1 |
| <i>HDAC10</i> | 0.04798656 | 0.38781346 | 1 |
| <i>ZBP2</i> | 0.04797098 | 0.38796773 | 1 |
| <i>GPATCH8</i> | 0.04797023 | 0.38797517 | 1 |
| <i>FBXL20</i> | 0.04795374 | 0.38813846 | 1 |
| <i>MAGEB1</i> | 0.0479004 | 0.38866705 | 1 |
| <i>ZMAT5</i> | 0.04788637 | 0.38880624 | 1 |
| <i>HBQ1</i> | 0.04786707 | 0.3889976 | 1 |
| <i>BCOR</i> | 0.04786221 | 0.38904583 | 1 |
| <i>RNASE10</i> | 0.0478349 | 0.38931686 | 1 |
| <i>C1orf158</i> | 0.04781919 | 0.38947271 | 1 |
| <i>TMX2</i> | 0.04779994 | 0.38966386 | 1 |
| <i>PDHB</i> | 0.04778168 | 0.38984524 | 1 |
| <i>DHRS13</i> | 0.0477416 | 0.39024347 | 1 |
| <i>LOC338651</i> | 0.04772843 | 0.39037435 | 1 |
| <i>C1orf223</i> | 0.04771792 | 0.39047877 | 1 |
| <i>LOC283050</i> | 0.04770863 | 0.39057115 | 1 |
| <i>CCDC42B</i> | 0.04768312 | 0.39082485 | 1 |
| <i>AMELY</i> | 0.04763574 | 0.39129642 | 1 |
| <i>PKD1L3</i> | 0.04762058 | 0.39144727 | 1 |
| <i>FLJ37307</i> | 0.04754257 | 0.39222452 | 1 |
| <i>COX6B1</i> | 0.04753348 | 0.39231519 | 1 |
| <i>ATP6V0E2</i> | 0.04749995 | 0.39264956 | 1 |
| <i>SLC22A1</i> | 0.04748549 | 0.39279386 | 1 |
| <i>LIMS3-LOC4</i> | 0.04741638 | 0.39348377 | 1 |
| <i>ZNF433</i> | 0.04738901 | 0.39375719 | 1 |
| <i>FMO9P</i> | 0.0472956 | 0.39469128 | 1 |
| <i>GTF2H2</i> | 0.04726254 | 0.39502222 | 1 |
| <i>PCGF2</i> | 0.047214 | 0.39550831 | 1 |
| <i>PRR15</i> | 0.04717544 | 0.39589482 | 1 |
| <i>CALB1</i> | 0.04716875 | 0.3959619 | 1 |
| <i>FAM125A</i> | 0.04715638 | 0.39608588 | 1 |
| <i>CT47B1</i> | 0.04714854 | 0.39616452 | 1 |
| <i>HMG20A</i> | 0.04707091 | 0.39694358 | 1 |
| <i>OR8A1</i> | 0.04705747 | 0.3970785 | 1 |

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|-------------------|------------|------------|---|
| <i>TUBGCP5</i> | 0.04694988 | 0.39815993 | 1 |
| <i>TAS2R30</i> | 0.04694583 | 0.39820067 | 1 |
| <i>EDN1</i> | 0.04693374 | 0.39832231 | 1 |
| <i>OPN5</i> | 0.04687151 | 0.39894883 | 1 |
| <i>NES</i> | 0.04680913 | 0.39957738 | 1 |
| <i>MGC12982</i> | 0.04678527 | 0.39981793 | 1 |
| <i>PLEKHH3</i> | 0.04676171 | 0.40005558 | 1 |
| <i>C4orf45</i> | 0.04672206 | 0.40045569 | 1 |
| <i>CCND2</i> | 0.04669815 | 0.40069704 | 1 |
| <i>LDLR</i> | 0.04666551 | 0.40102673 | 1 |
| <i>C17orf58</i> | 0.04661828 | 0.40150409 | 1 |
| <i>C6orf170</i> | 0.0466061 | 0.40162723 | 1 |
| <i>TRIM26</i> | 0.04641802 | 0.40353181 | 1 |
| <i>KRTAP1-5</i> | 0.04635563 | 0.40416474 | 1 |
| <i>C5orf51</i> | 0.04634673 | 0.40425511 | 1 |
| <i>EEF2</i> | 0.04631389 | 0.4045885 | 1 |
| <i>LOC646214</i> | 0.04627143 | 0.40501992 | 1 |
| <i>SMEK3P</i> | 0.04624122 | 0.40532702 | 1 |
| <i>DNM3</i> | 0.04623904 | 0.40534918 | 1 |
| <i>HOXC13</i> | 0.04614215 | 0.40633498 | 1 |
| <i>C7orf65</i> | 0.04603786 | 0.40739775 | 1 |
| <i>MDM1</i> | 0.04597016 | 0.40808853 | 1 |
| <i>OR1E2</i> | 0.04593194 | 0.40847883 | 1 |
| <i>STRN4</i> | 0.04590404 | 0.40876384 | 1 |
| <i>CDH11</i> | 0.04588002 | 0.40900931 | 1 |
| <i>RGN</i> | 0.04576933 | 0.41014177 | 1 |
| <i>ANKRD42</i> | 0.04576104 | 0.41022658 | 1 |
| <i>DENND4C</i> | 0.04573781 | 0.41046451 | 1 |
| <i>EIF4G2</i> | 0.04571407 | 0.41070773 | 1 |
| <i>RCOR3</i> | 0.0456439 | 0.4114272 | 1 |
| <i>RBMV3AP</i> | 0.04560418 | 0.41183478 | 1 |
| <i>HOXA11AS</i> | 0.04559676 | 0.41191095 | 1 |
| <i>IL15RA</i> | 0.04553547 | 0.41254033 | 1 |
| <i>FAM75A6</i> | 0.04550448 | 0.4128588 | 1 |
| <i>RNASE7</i> | 0.04548399 | 0.41306943 | 1 |
| <i>LOC441046</i> | 0.04541679 | 0.41376072 | 1 |
| <i>TMPRSS11A</i> | 0.04538226 | 0.41411623 | 1 |
| <i>FMO6P</i> | 0.04532342 | 0.41472232 | 1 |
| <i>PRDM14</i> | 0.04531137 | 0.41484658 | 1 |
| <i>GPR78</i> | 0.04525245 | 0.41545417 | 1 |
| <i>C12orf52</i> | 0.04523322 | 0.41565256 | 1 |
| <i>IFNE</i> | 0.04522795 | 0.41570692 | 1 |
| <i>CHN1</i> | 0.04519723 | 0.41602409 | 1 |
| <i>SMR3A</i> | 0.04509949 | 0.41703403 | 1 |
| <i>TAS2R43</i> | 0.04501471 | 0.41791117 | 1 |
| <i>DAD1L</i> | 0.04497166 | 0.418357 | 1 |
| <i>KPRP</i> | 0.04496462 | 0.41842986 | 1 |
| <i>DKFZp686A1</i> | 0.0449645 | 0.41843118 | 1 |
| <i>SEMA4D</i> | 0.04482006 | 0.4199291 | 1 |
| <i>CCDC38</i> | 0.04481753 | 0.4199554 | 1 |
| <i>NCKAP5L</i> | 0.04480004 | 0.42013695 | 1 |

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|-------------------|------------|------------|---|
| <i>DEFB109P1</i> | 0.04468834 | 0.4212979 | 1 |
| <i>SLC22A10</i> | 0.04467012 | 0.42148743 | 1 |
| <i>XKR5</i> | 0.04462454 | 0.42196183 | 1 |
| <i>RALGDS</i> | 0.04445666 | 0.42371176 | 1 |
| <i>SCARNA7</i> | 0.04445095 | 0.42377135 | 1 |
| <i>CHRM3</i> | 0.04434326 | 0.42489627 | 1 |
| <i>FAM75A3</i> | 0.04432046 | 0.42513458 | 1 |
| <i>PCDHB9</i> | 0.04431895 | 0.42515044 | 1 |
| <i>FBXL21</i> | 0.04431832 | 0.42515696 | 1 |
| <i>GEMIN4</i> | 0.04424149 | 0.4259608 | 1 |
| <i>SNORA75</i> | 0.04420535 | 0.42633927 | 1 |
| <i>EPB41L5</i> | 0.04420482 | 0.4263448 | 1 |
| <i>LRP6</i> | 0.04417663 | 0.4266402 | 1 |
| <i>FOXI3</i> | 0.04414655 | 0.42695545 | 1 |
| <i>AGPAT6</i> | 0.04411405 | 0.42729622 | 1 |
| <i>CXADR</i> | 0.04411282 | 0.42730906 | 1 |
| <i>NUDT7</i> | 0.04407977 | 0.42765582 | 1 |
| <i>SERF1A</i> | 0.04406567 | 0.42780375 | 1 |
| <i>PRNT</i> | 0.04404115 | 0.42806113 | 1 |
| <i>IGFBP3</i> | 0.04400746 | 0.42841484 | 1 |
| <i>SRC</i> | 0.04397804 | 0.42872393 | 1 |
| <i>PCMTD1</i> | 0.04394884 | 0.42903085 | 1 |
| <i>DCTN3</i> | 0.04392811 | 0.42924879 | 1 |
| <i>RPL23AP32</i> | 0.04390242 | 0.42951898 | 1 |
| <i>OR6W1P</i> | 0.04388809 | 0.42966977 | 1 |
| <i>ZNF217</i> | 0.04379932 | 0.43060428 | 1 |
| <i>RNASE11</i> | 0.04375574 | 0.43106353 | 1 |
| <i>SLC13A5</i> | 0.0437214 | 0.43142564 | 1 |
| <i>TMEM39B</i> | 0.04372047 | 0.43143543 | 1 |
| <i>TP53</i> | 0.04368715 | 0.43178688 | 1 |
| <i>GPRIN1</i> | 0.04365423 | 0.43213427 | 1 |
| <i>ATG5</i> | 0.04362837 | 0.43240733 | 1 |
| <i>TPRG1</i> | 0.04360924 | 0.43260934 | 1 |
| <i>LOC1001909</i> | 0.04352816 | 0.43346634 | 1 |
| <i>CXorf48</i> | 0.04340702 | 0.43474845 | 1 |
| <i>CALR3</i> | 0.04330316 | 0.4358494 | 1 |
| <i>LOC285205</i> | 0.04326043 | 0.43630277 | 1 |
| <i>MPP1</i> | 0.04324392 | 0.43647807 | 1 |
| <i>EPM2AIP1</i> | 0.0432301 | 0.43662484 | 1 |
| <i>P2RX3</i> | 0.04319412 | 0.43700694 | 1 |
| <i>OR51F2</i> | 0.04318733 | 0.43707913 | 1 |
| <i>TNP1</i> | 0.04318733 | 0.43707913 | 1 |
| <i>POM121L12</i> | 0.04318733 | 0.43707913 | 1 |
| <i>CT47A6</i> | 0.04318733 | 0.43707913 | 1 |
| <i>LOC1002877</i> | 0.04318733 | 0.43707913 | 1 |
| <i>OR51B6</i> | 0.04318733 | 0.43707913 | 1 |
| <i>FLJ25363</i> | 0.04318733 | 0.43707913 | 1 |
| <i>NF1P1</i> | 0.04318733 | 0.43707913 | 1 |
| <i>ZNF560</i> | 0.04308531 | 0.43816386 | 1 |
| <i>CAMTA1</i> | 0.04305125 | 0.43852634 | 1 |
| <i>TCAP</i> | 0.04303316 | 0.43871893 | 1 |

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|-------------------|------------|------------|---|
| <i>SNORA69</i> | 0.04300292 | 0.43904109 | 1 |
| <i>SERPINB3</i> | 0.04295411 | 0.4395612 | 1 |
| <i>STEAP1</i> | 0.04294519 | 0.43965624 | 1 |
| <i>LOC1001280</i> | 0.04283438 | 0.44083857 | 1 |
| <i>CDRT1</i> | 0.04280243 | 0.44117975 | 1 |
| <i>OR6B2</i> | 0.04279136 | 0.44129802 | 1 |
| <i>RFX4</i> | 0.04276507 | 0.44157899 | 1 |
| <i>OR51B2</i> | 0.04272141 | 0.44204577 | 1 |
| <i>PPP1R16A</i> | 0.04270042 | 0.44227019 | 1 |
| <i>ZC3H6</i> | 0.04264728 | 0.44283891 | 1 |
| <i>INE1</i> | 0.04264063 | 0.44291012 | 1 |
| <i>FOXD4L5</i> | 0.04262188 | 0.4431108 | 1 |
| <i>RAB28</i> | 0.04261468 | 0.4431879 | 1 |
| <i>C17orf98</i> | 0.04258674 | 0.44348727 | 1 |
| <i>HIST2H3C</i> | 0.04248222 | 0.44460785 | 1 |
| <i>OR5H6</i> | 0.04246275 | 0.44481676 | 1 |
| <i>TTY16</i> | 0.04245254 | 0.4449264 | 1 |
| <i>LMAN2L</i> | 0.04241665 | 0.4453117 | 1 |
| <i>SIX3</i> | 0.04239396 | 0.44555537 | 1 |
| <i>OR5111</i> | 0.04238655 | 0.445635 | 1 |
| <i>OR7C1</i> | 0.04234299 | 0.44610318 | 1 |
| <i>SERPINA12</i> | 0.04233704 | 0.44616715 | 1 |
| <i>DGKG</i> | 0.04232063 | 0.44634353 | 1 |
| <i>RWDD2B</i> | 0.04222543 | 0.44736795 | 1 |
| <i>AARS2</i> | 0.04221336 | 0.44749782 | 1 |
| <i>IQCF5</i> | 0.04220217 | 0.44761833 | 1 |
| <i>FUT8</i> | 0.04216671 | 0.44800036 | 1 |
| <i>ZNF846</i> | 0.04213581 | 0.44833345 | 1 |
| <i>ZNF469</i> | 0.04204156 | 0.44935007 | 1 |
| <i>TM2D3</i> | 0.04203076 | 0.44946666 | 1 |
| <i>GK2</i> | 0.04197765 | 0.4500402 | 1 |
| <i>MAP1LC3A</i> | 0.04196442 | 0.45018325 | 1 |
| <i>MAGEB2</i> | 0.04187197 | 0.45118278 | 1 |
| <i>CRBN</i> | 0.04177734 | 0.45220721 | 1 |
| <i>GABRR1</i> | 0.04173579 | 0.45265745 | 1 |
| <i>FAM128B</i> | 0.04171451 | 0.4528881 | 1 |
| <i>MKX</i> | 0.04170035 | 0.45304167 | 1 |
| <i>RTN4IP1</i> | 0.04162348 | 0.45387559 | 1 |
| <i>WNT8A</i> | 0.04162055 | 0.45390748 | 1 |
| <i>BBOX1</i> | 0.04161912 | 0.45392299 | 1 |
| <i>TP53BP1</i> | 0.04154742 | 0.4547017 | 1 |
| <i>SDC4P</i> | 0.04150528 | 0.45515978 | 1 |
| <i>OR4F6</i> | 0.04150528 | 0.45515978 | 1 |
| <i>ZNF33A</i> | 0.04148779 | 0.45534987 | 1 |
| <i>KIFC3</i> | 0.04142765 | 0.45600415 | 1 |
| <i>SNORA55</i> | 0.04131516 | 0.45722938 | 1 |
| <i>SNORA26</i> | 0.0413022 | 0.45737071 | 1 |
| <i>TATDN2</i> | 0.04117499 | 0.45875866 | 1 |
| <i>ZNF37A</i> | 0.04117498 | 0.45875878 | 1 |
| <i>KRT3</i> | 0.04115207 | 0.45900904 | 1 |
| <i>C20orf123</i> | 0.04115003 | 0.45903128 | 1 |

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|------------------|------------|------------|---|
| <i>DNAJB8</i> | 0.04112994 | 0.45925074 | 1 |
| <i>PRAMEF8</i> | 0.04106855 | 0.45992181 | 1 |
| <i>ACAP3</i> | 0.040972 | 0.46097835 | 1 |
| <i>SLC38A1</i> | 0.04095961 | 0.46111404 | 1 |
| <i>TDRD5</i> | 0.04095103 | 0.46120802 | 1 |
| <i>FAM155B</i> | 0.04081747 | 0.46267211 | 1 |
| <i>SNORD15A</i> | 0.04080158 | 0.46284646 | 1 |
| <i>RBBP8</i> | 0.04071087 | 0.46384259 | 1 |
| <i>IGFL3</i> | 0.04067107 | 0.46428 | 1 |
| <i>CCDC146</i> | 0.04064205 | 0.46459906 | 1 |
| <i>CCL25</i> | 0.04063006 | 0.46473096 | 1 |
| <i>GNRHR2</i> | 0.04050161 | 0.46614499 | 1 |
| <i>OR4D1</i> | 0.04044285 | 0.46679258 | 1 |
| <i>CREB5</i> | 0.04043804 | 0.46684562 | 1 |
| <i>MAEL</i> | 0.04041269 | 0.46712526 | 1 |
| <i>ZNF414</i> | 0.04039742 | 0.46729361 | 1 |
| <i>SIAH2</i> | 0.04034939 | 0.46782369 | 1 |
| <i>KLRA1</i> | 0.04034168 | 0.46790888 | 1 |
| <i>KRTAP10-9</i> | 0.04027308 | 0.46866654 | 1 |
| <i>LRRC37A4</i> | 0.04026953 | 0.46870584 | 1 |
| <i>ZNF790</i> | 0.04010256 | 0.47055298 | 1 |
| <i>STRA8</i> | 0.04007823 | 0.47082246 | 1 |
| <i>CLRN1OS</i> | 0.04007605 | 0.47084657 | 1 |
| <i>ZNF408</i> | 0.0400713 | 0.47089923 | 1 |
| <i>KRT84</i> | 0.04006566 | 0.47096177 | 1 |
| <i>FAM9B</i> | 0.0400292 | 0.47136579 | 1 |
| <i>CLUL1</i> | 0.03998735 | 0.47182982 | 1 |
| <i>ORA13</i> | 0.03994692 | 0.47227836 | 1 |
| <i>DCDC2B</i> | 0.03994499 | 0.47229977 | 1 |
| <i>CYP4A22</i> | 0.03978221 | 0.47410811 | 1 |
| <i>3-Sep</i> | 0.03977175 | 0.47422448 | 1 |
| <i>SSX1</i> | 0.03977125 | 0.47423008 | 1 |
| <i>MANEA</i> | 0.03974252 | 0.47454964 | 1 |
| <i>EDDM3A</i> | 0.03970833 | 0.47493014 | 1 |
| <i>LIN7A</i> | 0.03969287 | 0.4751022 | 1 |
| <i>CST9L</i> | 0.03966772 | 0.47538222 | 1 |
| <i>SFI1</i> | 0.03959469 | 0.47619599 | 1 |
| <i>ERCC4</i> | 0.03947334 | 0.47754978 | 1 |
| <i>LARP1B</i> | 0.03944356 | 0.47788226 | 1 |
| <i>TTY2</i> | 0.03942216 | 0.47812141 | 1 |
| <i>HOXB7</i> | 0.03927554 | 0.47976091 | 1 |
| <i>APBA3</i> | 0.03922716 | 0.48030258 | 1 |
| <i>FRG2</i> | 0.03919026 | 0.48071592 | 1 |
| <i>NCRNA0020</i> | 0.03918612 | 0.48076236 | 1 |
| <i>CCL27</i> | 0.03917501 | 0.48088682 | 1 |
| <i>PLA1A</i> | 0.03916574 | 0.48099074 | 1 |
| <i>CRY1</i> | 0.03911153 | 0.48159851 | 1 |
| <i>MAGEB18</i> | 0.03909617 | 0.48177082 | 1 |
| <i>LOC29034</i> | 0.03906963 | 0.48206858 | 1 |
| <i>AMIGO2</i> | 0.03904874 | 0.48230309 | 1 |
| <i>CHRND</i> | 0.03903829 | 0.48242032 | 1 |

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| <i>USP11</i> | 0.03902709 | 0.48254607 | 1 |
| <i>FLJ44606</i> | 0.03900329 | 0.48281332 | 1 |
| <i>TREML3</i> | 0.03897026 | 0.48318438 | 1 |
| <i>PDCL2</i> | 0.03893769 | 0.48355042 | 1 |
| <i>KLK12</i> | 0.03893535 | 0.48357675 | 1 |
| <i>FLJ10661</i> | 0.03891045 | 0.48385665 | 1 |
| <i>OR7E37P</i> | 0.03880463 | 0.48504742 | 1 |
| <i>GAGE2C</i> | 0.03869783 | 0.48625062 | 1 |
| <i>CAPS2</i> | 0.03855505 | 0.48786188 | 1 |
| <i>STK35</i> | 0.0385411 | 0.48801938 | 1 |
| <i>OR5F1</i> | 0.03851299 | 0.48833701 | 1 |
| <i>SUPT4H1</i> | 0.0384829 | 0.48867707 | 1 |
| <i>RAB33B</i> | 0.0384387 | 0.48917686 | 1 |
| <i>EFCAB2</i> | 0.03837736 | 0.489871 | 1 |
| <i>SEC23IP</i> | 0.03837501 | 0.48989759 | 1 |
| <i>WDR87</i> | 0.03835484 | 0.49012594 | 1 |
| <i>TMEM215</i> | 0.03835366 | 0.49013921 | 1 |
| <i>SMG1</i> | 0.03831204 | 0.49061067 | 1 |
| <i>LOC284788</i> | 0.03830261 | 0.49071748 | 1 |
| <i>CPXCR1</i> | 0.03825951 | 0.49120585 | 1 |
| <i>PMS2L4</i> | 0.03825694 | 0.49123507 | 1 |
| <i>ALS2CL</i> | 0.03821062 | 0.49176032 | 1 |
| <i>ZFYVE16</i> | 0.03819351 | 0.49195438 | 1 |
| <i>RCN3</i> | 0.03819036 | 0.49199007 | 1 |
| <i>FAM164C</i> | 0.03818984 | 0.49199605 | 1 |
| <i>ZBTB25</i> | 0.0381226 | 0.49275921 | 1 |
| <i>TCHHL1</i> | 0.03812111 | 0.49277607 | 1 |
| <i>TBC1D3C</i> | 0.03805737 | 0.49350021 | 1 |
| <i>OR4K1</i> | 0.03799067 | 0.4942585 | 1 |
| <i>CRAMP1L</i> | 0.03794567 | 0.49477042 | 1 |
| <i>LOC221122</i> | 0.03793456 | 0.49489687 | 1 |
| <i>SNORD89</i> | 0.03788112 | 0.49550522 | 1 |
| <i>MTCH1</i> | 0.03784487 | 0.49591812 | 1 |
| <i>RHOBTB1</i> | 0.03775099 | 0.49698843 | 1 |
| <i>DKFZP586I14</i> | 0.03771351 | 0.49741599 | 1 |
| <i>ZNF28</i> | 0.03768199 | 0.4977758 | 1 |
| <i>JAGN1</i> | 0.03762567 | 0.49841899 | 1 |
| <i>TGM3</i> | 0.03759596 | 0.49875846 | 1 |
| <i>CCDC117</i> | 0.03754615 | 0.4993279 | 1 |
| <i>KNDC1</i> | 0.03754257 | 0.49936884 | 1 |
| <i>CPSF7</i> | 0.03753606 | 0.49944322 | 1 |
| <i>C6orf103</i> | 0.03752259 | 0.49959735 | 1 |
| <i>PET112L</i> | 0.03751286 | 0.49970866 | 1 |
| <i>ANP32D</i> | 0.03748059 | 0.50007781 | 1 |
| <i>EIF1B</i> | 0.03744456 | 0.50049023 | 1 |
| <i>D2HGDH</i> | 0.03740827 | 0.50090581 | 1 |
| <i>FAM3A</i> | 0.03740502 | 0.50094312 | 1 |
| <i>RGS17</i> | 0.03732344 | 0.50187803 | 1 |
| <i>PGAP1</i> | 0.03721335 | 0.50314109 | 1 |
| <i>GAGE2B</i> | 0.03719652 | 0.50333442 | 1 |
| <i>SYNGAP1</i> | 0.0371842 | 0.50347581 | 1 |

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| <i>ZNF295</i> | 0.03717603 | 0.50356971 | 1 |
| <i>HDGFRP2</i> | 0.03706862 | 0.50480416 | 1 |
| <i>KRTAP4-9</i> | 0.03705185 | 0.50499715 | 1 |
| <i>FAM74A1</i> | 0.03704701 | 0.50505279 | 1 |
| <i>ZNF114</i> | 0.0370202 | 0.5053612 | 1 |
| <i>SPINK6</i> | 0.03698807 | 0.50573109 | 1 |
| <i>FAM117B</i> | 0.0369357 | 0.50633414 | 1 |
| <i>TMEM188</i> | 0.03693125 | 0.50638539 | 1 |
| <i>MGST2</i> | 0.03688021 | 0.5069735 | 1 |
| <i>CROCCL2</i> | 0.03683978 | 0.50743966 | 1 |
| <i>KRTAP4-4</i> | 0.03683243 | 0.5075244 | 1 |
| <i>C3orf77</i> | 0.03682866 | 0.50756799 | 1 |
| <i>RAG2</i> | 0.03681041 | 0.50777843 | 1 |
| <i>ZBED4</i> | 0.03680912 | 0.5077933 | 1 |
| <i>STK39</i> | 0.03670106 | 0.50904075 | 1 |
| <i>GUCA1C</i> | 0.03668728 | 0.50919999 | 1 |
| <i>LPPR4</i> | 0.03662414 | 0.50992967 | 1 |
| <i>KPNA7</i> | 0.03658919 | 0.51033384 | 1 |
| <i>FAM169B</i> | 0.03652255 | 0.51110493 | 1 |
| <i>CTAGE6</i> | 0.03649541 | 0.51141923 | 1 |
| <i>FAM195A</i> | 0.03648416 | 0.51154943 | 1 |
| <i>MYO7A</i> | 0.03647523 | 0.51165284 | 1 |
| <i>PROP1</i> | 0.03646784 | 0.51173847 | 1 |
| <i>UQCRQ</i> | 0.03642651 | 0.51221738 | 1 |
| <i>CCDC155</i> | 0.03640357 | 0.51248319 | 1 |
| <i>TMEM194B</i> | 0.03625479 | 0.51420941 | 1 |
| <i>BCAR4</i> | 0.03622642 | 0.51453883 | 1 |
| <i>KRTAP4-7</i> | 0.03619924 | 0.51485466 | 1 |
| <i>NR5A1</i> | 0.03618958 | 0.5149669 | 1 |
| <i>ZNF248</i> | 0.03610998 | 0.51589239 | 1 |
| <i>HARBI1</i> | 0.03608686 | 0.51616133 | 1 |
| <i>FAM27B</i> | 0.03604785 | 0.51661529 | 1 |
| <i>GGT7</i> | 0.03595685 | 0.51767504 | 1 |
| <i>FAM166A</i> | 0.03590059 | 0.51833084 | 1 |
| <i>NUDT13</i> | 0.03586912 | 0.51869784 | 1 |
| <i>LGALS13</i> | 0.0358636 | 0.51876226 | 1 |
| <i>LOC389634</i> | 0.03581951 | 0.51927666 | 1 |
| <i>DDX53</i> | 0.03568111 | 0.52089325 | 1 |
| <i>CHKA</i> | 0.0356612 | 0.52112602 | 1 |
| <i>TGIF2LX</i> | 0.03558255 | 0.52204609 | 1 |
| <i>PGM2L1</i> | 0.03555455 | 0.52237382 | 1 |
| <i>GRK1</i> | 0.03550205 | 0.52298855 | 1 |
| <i>OR2AG2</i> | 0.03548057 | 0.52324021 | 1 |
| <i>C1orf88</i> | 0.03542861 | 0.52384919 | 1 |
| <i>SNORA16B</i> | 0.03541407 | 0.52401971 | 1 |
| <i>DAB1</i> | 0.03538378 | 0.52437486 | 1 |
| <i>DSCR8</i> | 0.03537954 | 0.5244246 | 1 |
| <i>DDHD1</i> | 0.03535222 | 0.52474513 | 1 |
| <i>DEFB126</i> | 0.0353506 | 0.52476418 | 1 |
| <i>MYRIP</i> | 0.03533988 | 0.52488995 | 1 |
| <i>COX7B2</i> | 0.03531259 | 0.52521021 | 1 |

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| <i>CCDC63</i> | 0.03530264 | 0.52532706 | 1 |
| <i>KRTAP10-11</i> | 0.03506135 | 0.52816373 | 1 |
| <i>NCRNA00111</i> | 0.0350286 | 0.52854939 | 1 |
| <i>CRTC2</i> | 0.03502132 | 0.5286351 | 1 |
| <i>CASC3</i> | 0.03501571 | 0.52870126 | 1 |
| <i>CT47A2</i> | 0.0349849 | 0.52906421 | 1 |
| <i>GRIPAP1</i> | 0.03497739 | 0.52915263 | 1 |
| <i>MTERF</i> | 0.03497573 | 0.52917225 | 1 |
| <i>ZFAND5</i> | 0.03495653 | 0.52939845 | 1 |
| <i>C4orf22</i> | 0.03495017 | 0.52947345 | 1 |
| <i>OR1S1</i> | 0.03492756 | 0.52974005 | 1 |
| <i>SPANXN5</i> | 0.03492069 | 0.52982104 | 1 |
| <i>NPBWR1</i> | 0.0349082 | 0.52996835 | 1 |
| <i>CLEC6A</i> | 0.0349055 | 0.5300002 | 1 |
| <i>PRAMEF18</i> | 0.03479162 | 0.53134405 | 1 |
| <i>FNDC7</i> | 0.03476753 | 0.53162854 | 1 |
| <i>FTHL17</i> | 0.03472554 | 0.53212464 | 1 |
| <i>TFAP2E</i> | 0.03467883 | 0.53267672 | 1 |
| <i>DKFZP686I15</i> | 0.03467259 | 0.53275052 | 1 |
| <i>MAGEA8</i> | 0.03464702 | 0.53305291 | 1 |
| <i>TMEM170B</i> | 0.03461667 | 0.53341194 | 1 |
| <i>C22orf41</i> | 0.03461573 | 0.53342306 | 1 |
| <i>ADAT1</i> | 0.03460947 | 0.53349709 | 1 |
| <i>BEYLA</i> | 0.03458229 | 0.53381872 | 1 |
| <i>HIST1H2AA</i> | 0.03458229 | 0.53381872 | 1 |
| <i>PGLYRP3</i> | 0.03453927 | 0.53432812 | 1 |
| <i>DUSP7</i> | 0.03444788 | 0.53541079 | 1 |
| <i>CPSF4L</i> | 0.03439607 | 0.5360251 | 1 |
| <i>PRSS38</i> | 0.03434977 | 0.53657438 | 1 |
| <i>UTF1</i> | 0.03434029 | 0.53668698 | 1 |
| <i>ALDH7A1</i> | 0.03432404 | 0.53687979 | 1 |
| <i>LOC1002707</i> | 0.03423587 | 0.53792692 | 1 |
| <i>GPRC6A</i> | 0.03412901 | 0.53919728 | 1 |
| <i>TUBB8</i> | 0.03409711 | 0.5395769 | 1 |
| <i>AGRN</i> | 0.03408488 | 0.53972243 | 1 |
| <i>POU5F2</i> | 0.03408011 | 0.53977913 | 1 |
| <i>METT11D1</i> | 0.03402145 | 0.54047757 | 1 |
| <i>TRY6</i> | 0.03392803 | 0.54159072 | 1 |
| <i>CAPN7</i> | 0.03389867 | 0.54194076 | 1 |
| <i>PDZK1P1</i> | 0.03387175 | 0.54226188 | 1 |
| <i>DIS3L</i> | 0.03382153 | 0.54286115 | 1 |
| <i>FOLH1B</i> | 0.03376861 | 0.54349299 | 1 |
| <i>C1orf194</i> | 0.03373702 | 0.54387032 | 1 |
| <i>ZNF137</i> | 0.03372262 | 0.54404231 | 1 |
| <i>CNDP1</i> | 0.0336731 | 0.54463424 | 1 |
| <i>DPPA5</i> | 0.0336148 | 0.54533138 | 1 |
| <i>KRTAP10-2</i> | 0.03359134 | 0.54561213 | 1 |
| <i>CLDN20</i> | 0.03354853 | 0.54612443 | 1 |
| <i>PCGEM1</i> | 0.03354704 | 0.54614228 | 1 |
| <i>ABHD12B</i> | 0.03336513 | 0.54832207 | 1 |
| <i>GPX8</i> | 0.03331619 | 0.54890929 | 1 |

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| <i>RHOT2</i> | 0.0332875 | 0.54925368 | 1 |
| <i>SNX22</i> | 0.03317892 | 0.55055791 | 1 |
| <i>IGF2</i> | 0.03316417 | 0.55073518 | 1 |
| <i>AGER</i> | 0.03311125 | 0.55137153 | 1 |
| <i>ATP6V0A2</i> | 0.03307797 | 0.55177186 | 1 |
| <i>GPAM</i> | 0.03307361 | 0.55182431 | 1 |
| <i>SLC28A3</i> | 0.03299992 | 0.55271141 | 1 |
| <i>ACOT7</i> | 0.03295008 | 0.55331174 | 1 |
| <i>MAP4K2</i> | 0.03294322 | 0.55339428 | 1 |
| <i>TXNDC8</i> | 0.03288253 | 0.55412579 | 1 |
| <i>SPEM1</i> | 0.03285437 | 0.55446537 | 1 |
| <i>ARAP3</i> | 0.03279304 | 0.55520535 | 1 |
| <i>FBXL4</i> | 0.03278374 | 0.55531751 | 1 |
| <i>HIP1</i> | 0.03272587 | 0.55601625 | 1 |
| <i>MRPS18A</i> | 0.03272563 | 0.55601915 | 1 |
| <i>C15orf24</i> | 0.03264066 | 0.55704577 | 1 |
| <i>DPRX</i> | 0.03262353 | 0.55725278 | 1 |
| <i>PPP2R1B</i> | 0.03254828 | 0.55816297 | 1 |
| <i>CHSY1</i> | 0.03253678 | 0.55830204 | 1 |
| <i>MMP26</i> | 0.03247752 | 0.55901945 | 1 |
| <i>LYSMD1</i> | 0.0324584 | 0.55925092 | 1 |
| <i>DNHD1</i> | 0.03242465 | 0.55965978 | 1 |
| <i>FAM35B2</i> | 0.03240533 | 0.55989381 | 1 |
| <i>HSPA6</i> | 0.03236828 | 0.56034294 | 1 |
| <i>THAP3</i> | 0.03232129 | 0.56091271 | 1 |
| <i>EXT2</i> | 0.032308 | 0.56107387 | 1 |
| <i>MAGEA10</i> | 0.03228947 | 0.56129861 | 1 |
| <i>COL20A1</i> | 0.03214299 | 0.56307713 | 1 |
| <i>MAGEA1</i> | 0.03213428 | 0.56318297 | 1 |
| <i>WAPAL</i> | 0.03212624 | 0.56328066 | 1 |
| <i>IRGQ</i> | 0.03212269 | 0.56332382 | 1 |
| <i>FAM35A</i> | 0.0321153 | 0.56341357 | 1 |
| <i>C5orf13</i> | 0.03207182 | 0.56394214 | 1 |
| <i>7-Mar</i> | 0.03204286 | 0.56429444 | 1 |
| <i>SRP68</i> | 0.03203471 | 0.56439355 | 1 |
| <i>C11orf94</i> | 0.03196448 | 0.56524811 | 1 |
| <i>PDHX</i> | 0.03195203 | 0.56539967 | 1 |
| <i>APOL5</i> | 0.03194427 | 0.56549414 | 1 |
| <i>GUCY1A2</i> | 0.03193837 | 0.56556595 | 1 |
| <i>CTAGE9</i> | 0.03193305 | 0.56563084 | 1 |
| <i>C3orf30</i> | 0.03190869 | 0.56592743 | 1 |
| <i>H2AFY2</i> | 0.03190113 | 0.56601953 | 1 |
| <i>PNRC2</i> | 0.03184354 | 0.56672131 | 1 |
| <i>PRAMEF4</i> | 0.03183789 | 0.56679013 | 1 |
| <i>CT45A3</i> | 0.03178449 | 0.56744121 | 1 |
| <i>RNU6ATAC</i> | 0.03177699 | 0.56753266 | 1 |
| <i>KCNA7</i> | 0.03175948 | 0.56774622 | 1 |
| <i>MYO10</i> | 0.0317201 | 0.56822673 | 1 |
| <i>SUMO4</i> | 0.03167217 | 0.56881177 | 1 |
| <i>11-Mar</i> | 0.03162724 | 0.56936046 | 1 |
| <i>STK24</i> | 0.03157538 | 0.56999416 | 1 |

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| <i>TNFAIP1</i> | 0.03156204 | 0.57015714 | 1 |
| <i>FTSJ3</i> | 0.03151839 | 0.57069082 | 1 |
| <i>DHX40P1</i> | 0.03150411 | 0.57086547 | 1 |
| <i>TNFRSF25</i> | 0.03149869 | 0.57093174 | 1 |
| <i>OSGEP</i> | 0.03149671 | 0.57095604 | 1 |
| <i>CLDN22</i> | 0.03149263 | 0.57100597 | 1 |
| <i>LMCD1</i> | 0.03147918 | 0.57117046 | 1 |
| <i>HUS1B</i> | 0.03145316 | 0.57148882 | 1 |
| <i>SLC22A2</i> | 0.03142233 | 0.57186613 | 1 |
| <i>ACPT</i> | 0.03128683 | 0.57352588 | 1 |
| <i>C14orf23</i> | 0.03127389 | 0.57368446 | 1 |
| <i>CCHCR1</i> | 0.03124089 | 0.57408906 | 1 |
| <i>OVCH2</i> | 0.03119517 | 0.57464994 | 1 |
| <i>F11</i> | 0.03118604 | 0.57476191 | 1 |
| <i>PRCC</i> | 0.03115053 | 0.57519771 | 1 |
| <i>SNORA78</i> | 0.03111538 | 0.57562929 | 1 |
| <i>C22orf36</i> | 0.03106615 | 0.57623384 | 1 |
| <i>STX18</i> | 0.03102807 | 0.57670174 | 1 |
| <i>TEKT4</i> | 0.03097614 | 0.57734013 | 1 |
| <i>UBE2K</i> | 0.03094575 | 0.57771381 | 1 |
| <i>NKX6-3</i> | 0.03093823 | 0.57780637 | 1 |
| <i>COL5A3</i> | 0.03087325 | 0.57860585 | 1 |
| <i>CYorf15B</i> | 0.03087039 | 0.57864104 | 1 |
| <i>ACTL7A</i> | 0.03086688 | 0.57868429 | 1 |
| <i>C17orf100</i> | 0.03077465 | 0.57981999 | 1 |
| <i>CYorf15A</i> | 0.03071655 | 0.5805361 | 1 |
| <i>C4orf11</i> | 0.03068862 | 0.58088048 | 1 |
| <i>SLC22A13</i> | 0.03065138 | 0.58133965 | 1 |
| <i>ARPC5</i> | 0.03064445 | 0.58142522 | 1 |
| <i>ZNRF4</i> | 0.03062093 | 0.58171539 | 1 |
| <i>AS3MT</i> | 0.03060734 | 0.58188306 | 1 |
| <i>KRTAP10-8</i> | 0.03059153 | 0.58207825 | 1 |
| <i>ZNF750</i> | 0.03051471 | 0.58302678 | 1 |
| <i>CREB3L4</i> | 0.03045065 | 0.58381827 | 1 |
| <i>TBC1D3</i> | 0.03043827 | 0.58397126 | 1 |
| <i>ZDHHC1</i> | 0.03042705 | 0.58410993 | 1 |
| <i>OCRL</i> | 0.03031731 | 0.58546739 | 1 |
| <i>LOC285627</i> | 0.03030779 | 0.58558517 | 1 |
| <i>SULT1C3</i> | 0.03026374 | 0.5861305 | 1 |
| <i>HLTF</i> | 0.03024861 | 0.58631792 | 1 |
| <i>ATP2A1</i> | 0.03022362 | 0.5866274 | 1 |
| <i>LOC650368</i> | 0.03018113 | 0.58715386 | 1 |
| <i>ZDHHC11</i> | 0.03017581 | 0.58721981 | 1 |
| <i>MAPK8IP3</i> | 0.03007738 | 0.58844019 | 1 |
| <i>LYN</i> | 0.03006271 | 0.58862221 | 1 |
| <i>CT45A5</i> | 0.02993376 | 0.59022308 | 1 |
| <i>PSMC5</i> | 0.02989402 | 0.59071684 | 1 |
| <i>FAM175B</i> | 0.02988071 | 0.59088221 | 1 |
| <i>S100A9</i> | 0.02987877 | 0.59090633 | 1 |
| <i>ARID5B</i> | 0.02986307 | 0.5911015 | 1 |
| <i>C18orf20</i> | 0.0297988 | 0.59190071 | 1 |

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| <i>CD58</i> | 0.02979826 | 0.59190744 | 1 |
| <i>SNORA46</i> | 0.02979705 | 0.59192246 | 1 |
| <i>OR51T1</i> | 0.02974743 | 0.59253982 | 1 |
| <i>PRDM7</i> | 0.0296222 | 0.59409912 | 1 |
| <i>NKX2-4</i> | 0.02961548 | 0.59418282 | 1 |
| <i>NRCAM</i> | 0.0295992 | 0.5943857 | 1 |
| <i>HECW1</i> | 0.02958181 | 0.59460248 | 1 |
| <i>LOC400927</i> | 0.02957002 | 0.59474945 | 1 |
| <i>RANBP2</i> | 0.02956202 | 0.5948492 | 1 |
| <i>OR6C1</i> | 0.02955412 | 0.59494768 | 1 |
| <i>SHKBP1</i> | 0.0295046 | 0.59556518 | 1 |
| <i>DCAF4L2</i> | 0.02947743 | 0.59590412 | 1 |
| <i>OR9A4</i> | 0.02944379 | 0.59632394 | 1 |
| <i>OR5AN1</i> | 0.02944187 | 0.59634783 | 1 |
| <i>OR51S1</i> | 0.02942203 | 0.59659547 | 1 |
| <i>GJA8</i> | 0.02939639 | 0.59691564 | 1 |
| <i>SNORA11D</i> | 0.02932366 | 0.59782404 | 1 |
| <i>PLIN2</i> | 0.02931809 | 0.59789359 | 1 |
| <i>RXFP4</i> | 0.02926615 | 0.59854282 | 1 |
| <i>PTPRVP</i> | 0.02923988 | 0.59887121 | 1 |
| <i>SPINT4</i> | 0.0292267 | 0.59903611 | 1 |
| <i>AKT2</i> | 0.02921271 | 0.59921111 | 1 |
| <i>TAS2R16</i> | 0.02919972 | 0.59937355 | 1 |
| <i>OR4K17</i> | 0.02919972 | 0.59937355 | 1 |
| <i>TMEM200A</i> | 0.02918145 | 0.5996021 | 1 |
| <i>C5orf60</i> | 0.02917244 | 0.59971489 | 1 |
| <i>C14orf118</i> | 0.02915727 | 0.59990471 | 1 |
| <i>SERP2</i> | 0.02914614 | 0.60004402 | 1 |
| <i>KRTAP2-4</i> | 0.02912161 | 0.60035098 | 1 |
| <i>ZNF551</i> | 0.02911833 | 0.60039208 | 1 |
| <i>BTNL9</i> | 0.02909263 | 0.60071386 | 1 |
| <i>VN1R5</i> | 0.02907996 | 0.60087257 | 1 |
| <i>CXCL16</i> | 0.02907812 | 0.60089559 | 1 |
| <i>APOC1</i> | 0.02906061 | 0.60111482 | 1 |
| <i>CCDC91</i> | 0.02904374 | 0.60132624 | 1 |
| <i>TAF1L</i> | 0.02891448 | 0.60294647 | 1 |
| <i>A2ML1</i> | 0.02890792 | 0.60302874 | 1 |
| <i>DYNLRB2</i> | 0.02890565 | 0.60305721 | 1 |
| <i>CTSL3</i> | 0.0288279 | 0.60403293 | 1 |
| <i>OR6C3</i> | 0.0288279 | 0.60403293 | 1 |
| <i>CNOT8</i> | 0.02882338 | 0.6040896 | 1 |
| <i>NKAIN3</i> | 0.02880484 | 0.60432237 | 1 |
| <i>ZNF513</i> | 0.02880147 | 0.60436469 | 1 |
| <i>GALNT3</i> | 0.02878305 | 0.60459601 | 1 |
| <i>OR2M3</i> | 0.02873394 | 0.60521294 | 1 |
| <i>BRAP</i> | 0.02871766 | 0.60541748 | 1 |
| <i>ZNF181</i> | 0.02871559 | 0.60544341 | 1 |
| <i>LRRC29</i> | 0.02866639 | 0.60606183 | 1 |
| <i>OR10Q1</i> | 0.02866422 | 0.60608914 | 1 |
| <i>CRISPLD1</i> | 0.02861777 | 0.60667326 | 1 |
| <i>LOC339788</i> | 0.02861189 | 0.6067472 | 1 |

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| <i>PIP5K1P1</i> | 0.02858961 | 0.60702748 | 1 |
| <i>SNAPIN</i> | 0.02856728 | 0.60730841 | 1 |
| <i>CT45A4</i> | 0.02852244 | 0.60787269 | 1 |
| <i>HIST1H2AJ</i> | 0.02849531 | 0.60821434 | 1 |
| <i>HHLA3</i> | 0.02849076 | 0.60827162 | 1 |
| <i>C20orf117</i> | 0.02849033 | 0.60827696 | 1 |
| <i>CHD1</i> | 0.02840811 | 0.60931273 | 1 |
| <i>PAGE5</i> | 0.0284032 | 0.60937455 | 1 |
| <i>ABCC5</i> | 0.02833113 | 0.61028314 | 1 |
| <i>DUSP6</i> | 0.02832847 | 0.61031664 | 1 |
| <i>DCUN1D3</i> | 0.02830585 | 0.61060204 | 1 |
| <i>C17orf37</i> | 0.02825177 | 0.61128422 | 1 |
| <i>IMP3</i> | 0.02820998 | 0.61181174 | 1 |
| <i>WEE2</i> | 0.02818979 | 0.61206672 | 1 |
| <i>SNF8</i> | 0.02815914 | 0.61245369 | 1 |
| <i>CCL3</i> | 0.02813957 | 0.61270097 | 1 |
| <i>OCLM</i> | 0.02813165 | 0.61280095 | 1 |
| <i>SPRR2F</i> | 0.02811443 | 0.6130185 | 1 |
| <i>PRINS</i> | 0.02809348 | 0.61328333 | 1 |
| <i>AMBN</i> | 0.02803065 | 0.6140775 | 1 |
| <i>SART1</i> | 0.02800121 | 0.61444984 | 1 |
| <i>PKN3</i> | 0.02787996 | 0.61598425 | 1 |
| <i>KCNC2</i> | 0.02787743 | 0.61601638 | 1 |
| <i>CAPZA1</i> | 0.02781278 | 0.61683521 | 1 |
| <i>MAS1</i> | 0.02780411 | 0.61694505 | 1 |
| <i>ADPRHL2</i> | 0.02778006 | 0.61724981 | 1 |
| <i>IL13</i> | 0.02777712 | 0.61728703 | 1 |
| <i>KCTD7</i> | 0.027765 | 0.61744071 | 1 |
| <i>CT45A2</i> | 0.02772814 | 0.61790799 | 1 |
| <i>OLIG3</i> | 0.02768567 | 0.61844658 | 1 |
| <i>GUSB</i> | 0.02766108 | 0.61875855 | 1 |
| <i>GTF3C4</i> | 0.02765908 | 0.61878387 | 1 |
| <i>RNF217</i> | 0.02765311 | 0.61885959 | 1 |
| <i>HNMT</i> | 0.02755932 | 0.62005016 | 1 |
| <i>ASZ1</i> | 0.02755147 | 0.62014979 | 1 |
| <i>OTX2</i> | 0.02752947 | 0.62042924 | 1 |
| <i>SNAR-A2</i> | 0.02750881 | 0.62069163 | 1 |
| <i>GOT1L1</i> | 0.0274853 | 0.62099037 | 1 |
| <i>GSC2</i> | 0.02748225 | 0.62102907 | 1 |
| <i>DMRTC2</i> | 0.0274424 | 0.62153559 | 1 |
| <i>TMEM106C</i> | 0.02740817 | 0.62197077 | 1 |
| <i>EIF1AY</i> | 0.02739577 | 0.62212852 | 1 |
| <i>VHLL</i> | 0.02731741 | 0.62312524 | 1 |
| <i>TMPRSS11B</i> | 0.0273079 | 0.62324632 | 1 |
| <i>GPR87</i> | 0.02726822 | 0.62375135 | 1 |
| <i>C7orf66</i> | 0.02717431 | 0.62494744 | 1 |
| <i>GSTK1</i> | 0.02700557 | 0.62709913 | 1 |
| <i>ABCC6P2</i> | 0.02698212 | 0.62739833 | 1 |
| <i>SYK</i> | 0.02696048 | 0.62767459 | 1 |
| <i>ATXN3L</i> | 0.02694191 | 0.62791163 | 1 |
| <i>CNBD1</i> | 0.0269355 | 0.62799352 | 1 |

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| <i>PTH</i> | 0.02691514 | 0.62825348 | 1 |
| <i>CCNY</i> | 0.02691152 | 0.62829967 | 1 |
| <i>RHOBTB3</i> | 0.02685884 | 0.62897265 | 1 |
| <i>BCKDHB</i> | 0.02681372 | 0.62954927 | 1 |
| <i>STUB1</i> | 0.0268066 | 0.62964018 | 1 |
| <i>PCDH17</i> | 0.02677655 | 0.63002438 | 1 |
| <i>CCDC109B</i> | 0.02677264 | 0.63007436 | 1 |
| <i>FOXP3</i> | 0.02674955 | 0.63036959 | 1 |
| <i>PRL</i> | 0.02669802 | 0.6310288 | 1 |
| <i>HOXB1</i> | 0.02669349 | 0.63108672 | 1 |
| <i>THAP7</i> | 0.02667382 | 0.63133845 | 1 |
| <i>LOC1001290</i> | 0.02663618 | 0.63182021 | 1 |
| <i>BBS9</i> | 0.02663459 | 0.63184051 | 1 |
| <i>ARL17B</i> | 0.02662901 | 0.631912 | 1 |
| <i>VAMP4</i> | 0.0265879 | 0.63243837 | 1 |
| <i>C19orf34</i> | 0.0265472 | 0.63295975 | 1 |
| <i>OR5A1</i> | 0.02653561 | 0.63310815 | 1 |
| <i>OR9G4</i> | 0.02651447 | 0.63337908 | 1 |
| <i>HGC6.3</i> | 0.02648342 | 0.63377702 | 1 |
| <i>SCUBE3</i> | 0.02646904 | 0.63396137 | 1 |
| <i>C17orf106</i> | 0.02642175 | 0.6345677 | 1 |
| <i>KIAA1755</i> | 0.02641061 | 0.63471062 | 1 |
| <i>FHDC1</i> | 0.02634094 | 0.63560436 | 1 |
| <i>DYRK3</i> | 0.02633307 | 0.63570543 | 1 |
| <i>GAGE2A</i> | 0.02630701 | 0.63603987 | 1 |
| <i>SNORA77</i> | 0.02627586 | 0.63643982 | 1 |
| <i>ZNF321</i> | 0.02625909 | 0.63665518 | 1 |
| <i>TRPM3</i> | 0.02622765 | 0.63705908 | 1 |
| <i>BZRAP1</i> | 0.02622705 | 0.63706667 | 1 |
| <i>RPL17</i> | 0.02620617 | 0.63733493 | 1 |
| <i>DMKN</i> | 0.02618102 | 0.63765814 | 1 |
| <i>OR13I1</i> | 0.02607982 | 0.63895919 | 1 |
| <i>SCARNA3</i> | 0.02607079 | 0.63907533 | 1 |
| <i>OR2AE1</i> | 0.02606484 | 0.63915186 | 1 |
| <i>OR2D3</i> | 0.02601036 | 0.6398528 | 1 |
| <i>TSC22D1</i> | 0.02600471 | 0.63992552 | 1 |
| <i>CHRNA6</i> | 0.02600378 | 0.63993759 | 1 |
| <i>PIGQ</i> | 0.02595952 | 0.64050734 | 1 |
| <i>LOC1001339</i> | 0.02593839 | 0.6407793 | 1 |
| <i>PPY2</i> | 0.02590185 | 0.64124999 | 1 |
| <i>IQCF2</i> | 0.02589956 | 0.64127947 | 1 |
| <i>SCARNA21</i> | 0.02583046 | 0.64216976 | 1 |
| <i>FAM53C</i> | 0.02582876 | 0.64219173 | 1 |
| <i>C19orf51</i> | 0.02579129 | 0.64267477 | 1 |
| <i>ALOX15</i> | 0.02578329 | 0.64277791 | 1 |
| <i>CT47A1</i> | 0.02578249 | 0.64278815 | 1 |
| <i>CCDC116</i> | 0.02571858 | 0.64361252 | 1 |
| <i>C7orf55</i> | 0.02571583 | 0.64364794 | 1 |
| <i>TRIM74</i> | 0.02571364 | 0.64367615 | 1 |
| <i>CNOT1</i> | 0.02570019 | 0.64384974 | 1 |
| <i>WDFY1</i> | 0.02569604 | 0.64390332 | 1 |

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| <i>CCDC83</i> | 0.02563069 | 0.64474668 | 1 |
| <i>SPANXA2</i> | 0.02559039 | 0.64526703 | 1 |
| <i>CXorf59</i> | 0.02555589 | 0.64571264 | 1 |
| <i>GPX6</i> | 0.02546233 | 0.64692179 | 1 |
| <i>CEBPA</i> | 0.02545994 | 0.64695268 | 1 |
| <i>C1orf146</i> | 0.02545794 | 0.64697852 | 1 |
| <i>FAM82B</i> | 0.02543819 | 0.64723393 | 1 |
| <i>CXADRP2</i> | 0.02542909 | 0.64735159 | 1 |
| <i>SLC1A7</i> | 0.0254181 | 0.64749364 | 1 |
| <i>SKIV2L</i> | 0.02537855 | 0.64800519 | 1 |
| <i>PANK1</i> | 0.02536161 | 0.64822437 | 1 |
| <i>ZNF281</i> | 0.02530184 | 0.6489979 | 1 |
| <i>C7orf59</i> | 0.0252993 | 0.64903084 | 1 |
| <i>RPRML</i> | 0.02527145 | 0.64939136 | 1 |
| <i>CCDC54</i> | 0.0252647 | 0.64947881 | 1 |
| <i>TMEM151A</i> | 0.02525317 | 0.6496281 | 1 |
| <i>KRTAP9-2</i> | 0.02521509 | 0.65012125 | 1 |
| <i>CCDC3</i> | 0.02513935 | 0.65110272 | 1 |
| <i>LEUTX</i> | 0.02513344 | 0.65117935 | 1 |
| <i>RPS6KA3</i> | 0.02510669 | 0.65152612 | 1 |
| <i>LAMB1</i> | 0.02508283 | 0.65183559 | 1 |
| <i>NDUFS8</i> | 0.02503474 | 0.6524593 | 1 |
| <i>SHOX2</i> | 0.02493409 | 0.65376558 | 1 |
| <i>USP17L6P</i> | 0.0248836 | 0.65442116 | 1 |
| <i>NPPB</i> | 0.02486929 | 0.65460707 | 1 |
| <i>SAMD1</i> | 0.02484447 | 0.65492957 | 1 |
| <i>IKBK</i> | 0.02482837 | 0.65513869 | 1 |
| <i>? 729884</i> | 0.0248135 | 0.65533195 | 1 |
| <i>PRRX1</i> | 0.02480849 | 0.65539716 | 1 |
| <i>PDE6H</i> | 0.02479277 | 0.65560138 | 1 |
| <i>ZNF774</i> | 0.02478401 | 0.65571529 | 1 |
| <i>CPT1B</i> | 0.02475416 | 0.65610337 | 1 |
| <i>NCRNA0002</i> | 0.02472673 | 0.65646001 | 1 |
| <i>APOF</i> | 0.02460773 | 0.65800844 | 1 |
| <i>WFDC6</i> | 0.02455156 | 0.65873972 | 1 |
| <i>SELE</i> | 0.02452676 | 0.65906278 | 1 |
| <i>CADM4</i> | 0.02451719 | 0.65918743 | 1 |
| <i>C4orf36</i> | 0.02450815 | 0.65930515 | 1 |
| <i>ATAD2B</i> | 0.02450786 | 0.65930898 | 1 |
| <i>KRTAP9-8</i> | 0.02448271 | 0.65963668 | 1 |
| <i>PKN1</i> | 0.0244643 | 0.65987658 | 1 |
| <i>KRTAP1-3</i> | 0.02424551 | 0.66273033 | 1 |
| <i>C14orf167</i> | 0.02423276 | 0.66289673 | 1 |
| <i>? 100134869</i> | 0.02417297 | 0.66367758 | 1 |
| <i>LOC729991</i> | 0.0241372 | 0.66414484 | 1 |
| <i>CGB1</i> | 0.0241182 | 0.66439314 | 1 |
| <i>HAS2</i> | 0.02408545 | 0.6648211 | 1 |
| <i>BCORL1</i> | 0.02400659 | 0.66585225 | 1 |
| <i>COL6A4P2</i> | 0.02396079 | 0.66645137 | 1 |
| <i>PDGFB</i> | 0.02395641 | 0.66650857 | 1 |
| <i>C1orf83</i> | 0.02395604 | 0.66651347 | 1 |

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| <i>SULF2</i> | 0.02392578 | 0.66690939 | 1 |
| <i>S100A6</i> | 0.02386919 | 0.66765014 | 1 |
| <i>FABP5</i> | 0.02376516 | 0.66901277 | 1 |
| <i>SPATA13</i> | 0.02373498 | 0.6694083 | 1 |
| <i>LOC401387</i> | 0.02370202 | 0.66984025 | 1 |
| <i>KRTAP9-4</i> | 0.02369287 | 0.66996019 | 1 |
| <i>NKX6-1</i> | 0.02368336 | 0.67008491 | 1 |
| <i>FBXO36</i> | 0.02366375 | 0.67034204 | 1 |
| <i>MYBPH</i> | 0.02358305 | 0.67140061 | 1 |
| <i>SPR</i> | 0.02351737 | 0.67226262 | 1 |
| <i>LOC1002718</i> | 0.0235131 | 0.67231878 | 1 |
| <i>TAS2R40</i> | 0.02347377 | 0.67283511 | 1 |
| <i>NR1D2</i> | 0.0234369 | 0.67331938 | 1 |
| <i>DRD1</i> | 0.02342593 | 0.67346348 | 1 |
| <i>TSPAN9</i> | 0.02332984 | 0.67472633 | 1 |
| <i>CRB2</i> | 0.02329336 | 0.67520589 | 1 |
| <i>MAP3K4</i> | 0.02328477 | 0.67531888 | 1 |
| <i>HTN1</i> | 0.02327113 | 0.67549827 | 1 |
| <i>OR2B6</i> | 0.02327006 | 0.67551231 | 1 |
| <i>PFN3</i> | 0.02324812 | 0.67580098 | 1 |
| <i>RDH13</i> | 0.02316938 | 0.67683708 | 1 |
| <i>C7orf41</i> | 0.02309583 | 0.67780546 | 1 |
| <i>ALOXE3</i> | 0.02305704 | 0.67831638 | 1 |
| <i>IL1F7</i> | 0.02296146 | 0.67957588 | 1 |
| <i>CTAG1B</i> | 0.02295476 | 0.67966426 | 1 |
| <i>BACE1</i> | 0.02289047 | 0.680512 | 1 |
| <i>TRYX3</i> | 0.02285755 | 0.68094626 | 1 |
| <i>GABBR2</i> | 0.02282481 | 0.68137818 | 1 |
| <i>PSMB8</i> | 0.02279946 | 0.68171275 | 1 |
| <i>CYLC1</i> | 0.02278895 | 0.68185152 | 1 |
| <i>FAM138E</i> | 0.02272032 | 0.68275758 | 1 |
| <i>SNORA24</i> | 0.02269816 | 0.68305019 | 1 |
| <i>RAB32</i> | 0.02269762 | 0.68305741 | 1 |
| <i>CRX</i> | 0.02268509 | 0.68322292 | 1 |
| <i>KRTAP4-8</i> | 0.02268166 | 0.6832682 | 1 |
| <i>C7orf49</i> | 0.02268117 | 0.68327469 | 1 |
| <i>SNX14</i> | 0.0226561 | 0.68360591 | 1 |
| <i>YOD1</i> | 0.02265176 | 0.68366317 | 1 |
| <i>TEX14</i> | 0.02264981 | 0.68368903 | 1 |
| <i>C14orf48</i> | 0.02264397 | 0.68376611 | 1 |
| <i>PRAMEF12</i> | 0.02259217 | 0.68445077 | 1 |
| <i>LOC731789</i> | 0.02258679 | 0.68452187 | 1 |
| <i>FAM175A</i> | 0.02257071 | 0.6847344 | 1 |
| <i>OR6X1</i> | 0.02244972 | 0.68633462 | 1 |
| <i>SNORA64</i> | 0.02242305 | 0.68668759 | 1 |
| <i>BPGM</i> | 0.02239908 | 0.68700483 | 1 |
| <i>MSRB2</i> | 0.02236259 | 0.68748788 | 1 |
| <i>KRT33B</i> | 0.02233306 | 0.68787891 | 1 |
| <i>INPPL1</i> | 0.02230928 | 0.68819392 | 1 |
| <i>LCMT2</i> | 0.0222973 | 0.68835255 | 1 |
| <i>BCAN</i> | 0.02225957 | 0.68885253 | 1 |

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| <i>GPR52</i> | 0.02225573 | 0.68890337 | 1 |
| <i>TSPAN33</i> | 0.02223995 | 0.68911248 | 1 |
| <i>LOC283332</i> | 0.02220962 | 0.68951449 | 1 |
| <i>DAZ3</i> | 0.02218789 | 0.68980255 | 1 |
| <i>WDR88</i> | 0.02213487 | 0.69050548 | 1 |
| <i>CEACAM8</i> | 0.02210774 | 0.69086541 | 1 |
| <i>MMGT1</i> | 0.02204423 | 0.69170798 | 1 |
| <i>SDCCAG1</i> | 0.02201043 | 0.6921566 | 1 |
| <i>DDX3Y</i> | 0.02200234 | 0.69226402 | 1 |
| <i>SNX21</i> | 0.02185128 | 0.6942703 | 1 |
| <i>C12orf59</i> | 0.02183575 | 0.69447669 | 1 |
| <i>OR13F1</i> | 0.02182683 | 0.69459521 | 1 |
| <i>CDH15</i> | 0.02180976 | 0.69482218 | 1 |
| <i>DNAJC5</i> | 0.02178822 | 0.69510851 | 1 |
| <i>OR10A2</i> | 0.02177226 | 0.69532065 | 1 |
| <i>LYG2</i> | 0.02176959 | 0.6953562 | 1 |
| <i>IGSF8</i> | 0.02174308 | 0.6957087 | 1 |
| <i>SNORA61</i> | 0.02174086 | 0.69573821 | 1 |
| <i>C21orf54</i> | 0.02173135 | 0.69586472 | 1 |
| <i>PWP2</i> | 0.02172041 | 0.69601015 | 1 |
| <i>PTPN2</i> | 0.0216026 | 0.69757783 | 1 |
| <i>NCRNA0020</i> | 0.02157011 | 0.69801037 | 1 |
| <i>TBX3</i> | 0.02147874 | 0.69922733 | 1 |
| <i>CD99</i> | 0.02144213 | 0.69971511 | 1 |
| <i>SDHAF2</i> | 0.02143713 | 0.69978182 | 1 |
| <i>SLFN1</i> | 0.02142438 | 0.69995171 | 1 |
| <i>HS1BP3</i> | 0.02136364 | 0.70076143 | 1 |
| <i>SNORA12</i> | 0.02135086 | 0.7009319 | 1 |
| <i>LIN7B</i> | 0.02131552 | 0.70140313 | 1 |
| <i>NAA11</i> | 0.02129683 | 0.70165245 | 1 |
| <i>IL9</i> | 0.02123493 | 0.70247842 | 1 |
| <i>FLJ44054</i> | 0.02116178 | 0.70345488 | 1 |
| <i>INTS4L1</i> | 0.02108431 | 0.70448955 | 1 |
| <i>CROCC</i> | 0.02107294 | 0.70464153 | 1 |
| <i>OR1A1</i> | 0.02106389 | 0.70476243 | 1 |
| <i>C3orf24</i> | 0.02102727 | 0.70525177 | 1 |
| <i>GAS2L3</i> | 0.02099654 | 0.70566252 | 1 |
| <i>UGGT1</i> | 0.0209877 | 0.70578065 | 1 |
| <i>INTS4</i> | 0.02097872 | 0.70590076 | 1 |
| <i>MGC45800</i> | 0.02097751 | 0.70591685 | 1 |
| <i>NUAK2</i> | 0.02095232 | 0.70625362 | 1 |
| <i>USP17</i> | 0.02090914 | 0.70683116 | 1 |
| <i>BRWD3</i> | 0.02089314 | 0.70704518 | 1 |
| <i>SAGE1</i> | 0.02077714 | 0.70859749 | 1 |
| <i>GDAP1L1</i> | 0.02070798 | 0.70952352 | 1 |
| <i>RPL13AP6</i> | 0.02068461 | 0.70983652 | 1 |
| <i>LOC400931</i> | 0.0206216 | 0.71068082 | 1 |
| <i>ZFPM1</i> | 0.02058737 | 0.7111395 | 1 |
| <i>CXorf57</i> | 0.02048908 | 0.7124574 | 1 |
| <i>LYRM7</i> | 0.02041626 | 0.71343445 | 1 |
| <i>USMG5</i> | 0.02039951 | 0.71365922 | 1 |

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|-------------------|------------|------------|---|
| <i>MSLN</i> | 0.02037381 | 0.71400416 | 1 |
| <i>HOMER3</i> | 0.02036591 | 0.71411023 | 1 |
| <i>TTC5</i> | 0.02034674 | 0.71436747 | 1 |
| <i>ZCCHC13</i> | 0.0203293 | 0.71460173 | 1 |
| <i>PRSS54</i> | 0.0203248 | 0.71466212 | 1 |
| <i>SBF1P1</i> | 0.02031871 | 0.71474389 | 1 |
| <i>TERF2IP</i> | 0.02026159 | 0.71551097 | 1 |
| <i>ACTRT1</i> | 0.02022862 | 0.71595392 | 1 |
| <i>ANXA5</i> | 0.02015365 | 0.7169615 | 1 |
| <i>CCDC88B</i> | 0.0201497 | 0.71701455 | 1 |
| <i>ARL2BP</i> | 0.02013396 | 0.71722617 | 1 |
| <i>RPSAP9</i> | 0.02012199 | 0.71738705 | 1 |
| <i>GAGE2D</i> | 0.0200119 | 0.71886779 | 1 |
| <i>DSCR4</i> | 0.01994808 | 0.71972657 | 1 |
| <i>OR4M2</i> | 0.01992272 | 0.72006803 | 1 |
| <i>MTMR8</i> | 0.01990249 | 0.72034031 | 1 |
| <i>CCL3L1</i> | 0.01989015 | 0.72050644 | 1 |
| <i>SELK</i> | 0.01987021 | 0.72077501 | 1 |
| <i>GAGE2E</i> | 0.01986655 | 0.72082435 | 1 |
| <i>FBXO28</i> | 0.01986023 | 0.72090945 | 1 |
| <i>PHKA2</i> | 0.01978289 | 0.72195122 | 1 |
| <i>OR10H2</i> | 0.01978068 | 0.7219811 | 1 |
| <i>NCEH1</i> | 0.01969523 | 0.72313277 | 1 |
| <i>TET1</i> | 0.01966834 | 0.72349536 | 1 |
| <i>TRPV4</i> | 0.01964964 | 0.72374747 | 1 |
| <i>WDR31</i> | 0.01963006 | 0.72401158 | 1 |
| <i>KRTAP21-1</i> | 0.01947922 | 0.72604701 | 1 |
| <i>FAM32A</i> | 0.01934906 | 0.72780492 | 1 |
| <i>C18orf19</i> | 0.01934652 | 0.72783921 | 1 |
| <i>AMAC1</i> | 0.01926554 | 0.72893357 | 1 |
| <i>TFG</i> | 0.01922476 | 0.72948501 | 1 |
| <i>TMPRSS6</i> | 0.01921384 | 0.72963268 | 1 |
| <i>PYDC2</i> | 0.01918199 | 0.7300633 | 1 |
| <i>FXYD2</i> | 0.01916764 | 0.73025744 | 1 |
| <i>FZD10</i> | 0.01914997 | 0.73049654 | 1 |
| <i>TMSB15B</i> | 0.01914712 | 0.73053507 | 1 |
| <i>HDAC11</i> | 0.01914697 | 0.73053705 | 1 |
| <i>SPANXE</i> | 0.01900901 | 0.73240417 | 1 |
| <i>OR6V1</i> | 0.01896804 | 0.73295904 | 1 |
| <i>BRE</i> | 0.01894122 | 0.73332229 | 1 |
| <i>TNP2</i> | 0.01892662 | 0.73352 | 1 |
| <i>OR4C6</i> | 0.01886635 | 0.73433666 | 1 |
| <i>GPR6</i> | 0.01882972 | 0.7348331 | 1 |
| <i>SLC16A10</i> | 0.0187787 | 0.73552465 | 1 |
| <i>GALE</i> | 0.01877824 | 0.73553088 | 1 |
| <i>C13orf31</i> | 0.01869807 | 0.73661823 | 1 |
| <i>LOC1001339</i> | 0.01859314 | 0.73804204 | 1 |
| <i>LYZL6</i> | 0.01857171 | 0.73833297 | 1 |
| <i>FMR1NB</i> | 0.01855684 | 0.73853488 | 1 |
| <i>GRK7</i> | 0.01850432 | 0.73924799 | 1 |
| <i>NTF4</i> | 0.01849957 | 0.73931246 | 1 |

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| <i>GAGE4</i> | 0.01848034 | 0.73957372 | 1 |
| <i>IFNA5</i> | 0.01847566 | 0.73963724 | 1 |
| <i>IQUB</i> | 0.01846309 | 0.73980798 | 1 |
| <i>C5orf38</i> | 0.01845273 | 0.73994881 | 1 |
| <i>KRT82</i> | 0.01837533 | 0.74100045 | 1 |
| <i>TCP10</i> | 0.01833869 | 0.74149852 | 1 |
| <i>PRKAB1</i> | 0.01833725 | 0.74151815 | 1 |
| <i>8-Sep</i> | 0.01833481 | 0.74155128 | 1 |
| <i>SLC30A7</i> | 0.01830917 | 0.74189988 | 1 |
| <i>SPSB3</i> | 0.01830222 | 0.74199436 | 1 |
| <i>CLN5</i> | 0.01827525 | 0.74236115 | 1 |
| <i>CTRC</i> | 0.01818009 | 0.74365565 | 1 |
| <i>OR4F21</i> | 0.01814723 | 0.74410278 | 1 |
| <i>PSG11</i> | 0.01811615 | 0.74452582 | 1 |
| <i>LOC284837</i> | 0.01805569 | 0.74534888 | 1 |
| <i>LOC285194</i> | 0.01802164 | 0.74581265 | 1 |
| <i>GRM1</i> | 0.01801275 | 0.74593375 | 1 |
| <i>ARPP19</i> | 0.0179798 | 0.74638258 | 1 |
| <i>TRIM39</i> | 0.01794648 | 0.74683656 | 1 |
| <i>ZNF57</i> | 0.01793445 | 0.74700036 | 1 |
| <i>MUC7</i> | 0.01783479 | 0.74835883 | 1 |
| <i>OR5T2</i> | 0.01772492 | 0.74985736 | 1 |
| <i>OR6C70</i> | 0.0177239 | 0.74987119 | 1 |
| <i>RNF166</i> | 0.01766682 | 0.7506501 | 1 |
| <i>OR13D1</i> | 0.01759618 | 0.75161431 | 1 |
| <i>LOC153910</i> | 0.01755568 | 0.75216729 | 1 |
| <i>PRB1</i> | 0.01753362 | 0.75246865 | 1 |
| <i>KLHL18</i> | 0.01749768 | 0.75295955 | 1 |
| <i>SRD5A3</i> | 0.01743464 | 0.75382077 | 1 |
| <i>MRPL46</i> | 0.01743419 | 0.75382695 | 1 |
| <i>PLAC8L1</i> | 0.0174085 | 0.75417813 | 1 |
| <i>BTAF1</i> | 0.0173757 | 0.75462636 | 1 |
| <i>SPRR4</i> | 0.01736986 | 0.75470628 | 1 |
| <i>SNORD10</i> | 0.01731714 | 0.75542703 | 1 |
| <i>CHRNA10</i> | 0.01726007 | 0.7562076 | 1 |
| <i>OR2AT4</i> | 0.01724608 | 0.75639892 | 1 |
| <i>ACYP2</i> | 0.01722108 | 0.75674092 | 1 |
| <i>TOP3B</i> | 0.01720853 | 0.75691272 | 1 |
| <i>PEX11B</i> | 0.01718669 | 0.75721146 | 1 |
| <i>BCAS4</i> | 0.01715324 | 0.75766932 | 1 |
| <i>EFR3A</i> | 0.01713118 | 0.75797125 | 1 |
| <i>ACY1</i> | 0.01712811 | 0.75801325 | 1 |
| <i>CSAG2</i> | 0.01712496 | 0.75805644 | 1 |
| <i>UBP1</i> | 0.01712436 | 0.75806456 | 1 |
| <i>C3orf52</i> | 0.01707955 | 0.75867812 | 1 |
| <i>TMC2</i> | 0.01694612 | 0.76050571 | 1 |
| <i>TAS2R9</i> | 0.01689586 | 0.76119452 | 1 |
| <i>DHX29</i> | 0.01686989 | 0.7615505 | 1 |
| <i>CYP2A13</i> | 0.01685978 | 0.76168909 | 1 |
| <i>TAF5L</i> | 0.01685625 | 0.76173742 | 1 |
| <i>TMEM183A</i> | 0.01681441 | 0.76231102 | 1 |

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| <i>C20orf85</i> | 0.01668375 | 0.76410329 | 1 |
| <i>CCDC56</i> | 0.01659388 | 0.76533689 | 1 |
| <i>ZNF876P</i> | 0.0165011 | 0.76661093 | 1 |
| <i>OR51B5</i> | 0.01642615 | 0.76764048 | 1 |
| <i>JUN</i> | 0.01642141 | 0.76770562 | 1 |
| <i>C1orf93</i> | 0.01636088 | 0.76853755 | 1 |
| <i>KCNS1</i> | 0.0162759 | 0.76970585 | 1 |
| <i>LPL</i> | 0.01625882 | 0.76994082 | 1 |
| <i>PSMB11</i> | 0.0162564 | 0.76997402 | 1 |
| <i>TRAPPC2P1</i> | 0.01621774 | 0.77050576 | 1 |
| <i>FAM71A</i> | 0.01606094 | 0.77266352 | 1 |
| <i>TGM1</i> | 0.01603671 | 0.77299713 | 1 |
| <i>SERPINB9</i> | 0.01601355 | 0.77331607 | 1 |
| <i>SEC14L3</i> | 0.01600592 | 0.77342119 | 1 |
| <i>C1orf229</i> | 0.01598589 | 0.77369704 | 1 |
| <i>C18orf54</i> | 0.01596901 | 0.77392955 | 1 |
| <i>? 26823</i> | 0.01596151 | 0.77403281 | 1 |
| <i>HCCS</i> | 0.01591114 | 0.77472668 | 1 |
| <i>RAB9BP1</i> | 0.01588493 | 0.77508779 | 1 |
| <i>KCNK15</i> | 0.01584273 | 0.77566942 | 1 |
| <i>PLA2G15</i> | 0.01575014 | 0.7769458 | 1 |
| <i>IDH3B</i> | 0.01574548 | 0.77701 | 1 |
| <i>FDXR</i> | 0.01566818 | 0.77807609 | 1 |
| <i>SLC44A5</i> | 0.01566777 | 0.77808184 | 1 |
| <i>HIST1H2BE</i> | 0.01564703 | 0.77836786 | 1 |
| <i>KRTAP5-6</i> | 0.01559983 | 0.77901918 | 1 |
| <i>MRPS7</i> | 0.01547575 | 0.78073192 | 1 |
| <i>GOS2</i> | 0.01545929 | 0.78095924 | 1 |
| <i>SPEF2</i> | 0.01544547 | 0.78115002 | 1 |
| <i>FLJ43859</i> | 0.01542269 | 0.78146469 | 1 |
| <i>KRTAP10-5</i> | 0.01541059 | 0.78163182 | 1 |
| <i>SNX3</i> | 0.01539097 | 0.78190289 | 1 |
| <i>DCBLD2</i> | 0.01536172 | 0.78230693 | 1 |
| <i>NRIP3</i> | 0.01535515 | 0.78239774 | 1 |
| <i>DOC2A</i> | 0.01535216 | 0.78243893 | 1 |
| <i>C20orf141</i> | 0.01532969 | 0.78274952 | 1 |
| <i>TAS2R4</i> | 0.01527305 | 0.78353227 | 1 |
| <i>POLR2L</i> | 0.0152622 | 0.78368224 | 1 |
| <i>PCDHB19P</i> | 0.01521617 | 0.78431853 | 1 |
| <i>ISM1</i> | 0.01519141 | 0.78466082 | 1 |
| <i>TMEM213</i> | 0.01510745 | 0.78582208 | 1 |
| <i>ISOC1</i> | 0.01509681 | 0.78596929 | 1 |
| <i>TBC1D3B</i> | 0.01508331 | 0.78615605 | 1 |
| <i>DHX8</i> | 0.01507531 | 0.78626668 | 1 |
| <i>OR9G9</i> | 0.01505073 | 0.78660682 | 1 |
| <i>LOC284551</i> | 0.0149749 | 0.78765618 | 1 |
| <i>H1FOO</i> | 0.01488802 | 0.78885908 | 1 |
| <i>IL22</i> | 0.01475132 | 0.79075266 | 1 |
| <i>SLC38A8</i> | 0.01473726 | 0.7909475 | 1 |
| <i>SNAR-1</i> | 0.01470749 | 0.79135999 | 1 |
| <i>PTH2</i> | 0.01469864 | 0.7914827 | 1 |

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| <i>ZNF410</i> | 0.01468615 | 0.79165576 | 1 |
| <i>SPRR3</i> | 0.01466764 | 0.79191242 | 1 |
| <i>DOCK11</i> | 0.01459241 | 0.79295543 | 1 |
| <i>CHPT1</i> | 0.01458393 | 0.793073 | 1 |
| <i>? 442388</i> | 0.01458355 | 0.79307827 | 1 |
| <i>LCE1F</i> | 0.0144904 | 0.7943703 | 1 |
| <i>C11orf36</i> | 0.01448947 | 0.79438329 | 1 |
| <i>RSBN1L</i> | 0.01447914 | 0.7945266 | 1 |
| <i>OR6C65</i> | 0.01447732 | 0.79455187 | 1 |
| <i>QARS</i> | 0.01443987 | 0.79507149 | 1 |
| <i>ADRA2C</i> | 0.01428764 | 0.7971848 | 1 |
| <i>GPR151</i> | 0.01427724 | 0.79732911 | 1 |
| <i>TMEM222</i> | 0.0142586 | 0.79758809 | 1 |
| <i>TNNT1</i> | 0.01424678 | 0.79775221 | 1 |
| <i>SPRR2G</i> | 0.01423381 | 0.79793235 | 1 |
| <i>SIN3B</i> | 0.01422522 | 0.79805169 | 1 |
| <i>FAM75A5</i> | 0.01421583 | 0.79818218 | 1 |
| <i>OR56A1</i> | 0.01420271 | 0.79836435 | 1 |
| <i>DEFA5</i> | 0.01419029 | 0.79853696 | 1 |
| <i>SOX21</i> | 0.0141793 | 0.79868962 | 1 |
| <i>OR2J2</i> | 0.0141353 | 0.79930094 | 1 |
| <i>A2LD1</i> | 0.01411723 | 0.79955217 | 1 |
| <i>DVL3</i> | 0.01409572 | 0.79985105 | 1 |
| <i>C7orf61</i> | 0.01401867 | 0.80092221 | 1 |
| <i>POLR3D</i> | 0.01396602 | 0.80165433 | 1 |
| <i>IL1F8</i> | 0.01395399 | 0.80182157 | 1 |
| <i>C9orf84</i> | 0.0139278 | 0.80218583 | 1 |
| <i>SAMD3</i> | 0.01388464 | 0.80278622 | 1 |
| <i>RXFP2</i> | 0.01387716 | 0.80289036 | 1 |
| <i>RHOQ</i> | 0.01380922 | 0.80383568 | 1 |
| <i>SCRN3</i> | 0.01377381 | 0.80432848 | 1 |
| <i>FLJ40434</i> | 0.01374655 | 0.80470801 | 1 |
| <i>FRG2B</i> | 0.01364389 | 0.80613736 | 1 |
| <i>SNORA81</i> | 0.01363344 | 0.80628301 | 1 |
| <i>RAB13</i> | 0.0136199 | 0.80647152 | 1 |
| <i>RPS4Y1</i> | 0.01359104 | 0.8068736 | 1 |
| <i>GAGE12D</i> | 0.01358891 | 0.80690328 | 1 |
| <i>PRSS42</i> | 0.01350536 | 0.80806728 | 1 |
| <i>PRAMEF1</i> | 0.01345528 | 0.8087653 | 1 |
| <i>SPG7</i> | 0.0133622 | 0.81006289 | 1 |
| <i>ZDHHC17</i> | 0.01332559 | 0.81057342 | 1 |
| <i>SPATA3</i> | 0.01325315 | 0.81158397 | 1 |
| <i>STL</i> | 0.01316815 | 0.81277 | 1 |
| <i>TMEM141</i> | 0.01313516 | 0.81323038 | 1 |
| <i>XKRY2</i> | 0.01306185 | 0.81425375 | 1 |
| <i>CORO7</i> | 0.01286312 | 0.81702959 | 1 |
| <i>PER4</i> | 0.01285716 | 0.81711291 | 1 |
| <i>LOC441454</i> | 0.01283511 | 0.81742096 | 1 |
| <i>ACTL9</i> | 0.01281709 | 0.81767289 | 1 |
| <i>GKN1</i> | 0.01278964 | 0.81805646 | 1 |
| <i>TDRG1</i> | 0.01275531 | 0.81853637 | 1 |

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|-------------------|------------|------------|---|
| <i>ZIM3</i> | 0.01272444 | 0.818968 | 1 |
| <i>POTEA</i> | 0.01272444 | 0.818968 | 1 |
| <i>SELO</i> | 0.01268607 | 0.81950452 | 1 |
| <i>OR51M1</i> | 0.01267337 | 0.81968208 | 1 |
| <i>OR4E2</i> | 0.01266174 | 0.81984478 | 1 |
| <i>OR51A7</i> | 0.01263591 | 0.820206 | 1 |
| <i>OR6K6</i> | 0.01262706 | 0.82032982 | 1 |
| <i>RBM15B</i> | 0.01259435 | 0.82078727 | 1 |
| <i>RTP2</i> | 0.01254933 | 0.82141718 | 1 |
| <i>S100A7A</i> | 0.01236725 | 0.8239657 | 1 |
| <i>CRYGA</i> | 0.01230842 | 0.82478951 | 1 |
| <i>SNORA5C</i> | 0.012301 | 0.82489345 | 1 |
| <i>GAGE1</i> | 0.01229536 | 0.82497237 | 1 |
| <i>SERPINB7</i> | 0.01225253 | 0.82557231 | 1 |
| <i>LOC653113</i> | 0.0122027 | 0.82627039 | 1 |
| <i>C10orf53</i> | 0.01216437 | 0.82680747 | 1 |
| <i>MGEA5</i> | 0.01212414 | 0.82737132 | 1 |
| <i>KRTAP27-1</i> | 0.01209588 | 0.82776734 | 1 |
| <i>KRTAP10-7</i> | 0.01206795 | 0.82815892 | 1 |
| <i>TNFSF18</i> | 0.01205022 | 0.82840741 | 1 |
| <i>SCARNA20</i> | 0.01198965 | 0.82925672 | 1 |
| <i>LOC728819</i> | 0.01195667 | 0.82971915 | 1 |
| <i>RAD21L1</i> | 0.01194783 | 0.82984318 | 1 |
| <i>PLCZ1</i> | 0.01194553 | 0.82987534 | 1 |
| <i>TARM1</i> | 0.01188046 | 0.83078807 | 1 |
| <i>ZFY</i> | 0.01186132 | 0.8310567 | 1 |
| <i>OR52N5</i> | 0.01183633 | 0.8314072 | 1 |
| <i>IK</i> | 0.01183532 | 0.83142139 | 1 |
| <i>RETN</i> | 0.01183216 | 0.83146575 | 1 |
| <i>SLC26A1</i> | 0.0118007 | 0.83190718 | 1 |
| <i>HYLS1</i> | 0.01179164 | 0.83203434 | 1 |
| <i>MYEF2</i> | 0.01163477 | 0.83423635 | 1 |
| <i>GPR109B</i> | 0.01159845 | 0.83474643 | 1 |
| <i>TXNRD1</i> | 0.01157791 | 0.83503491 | 1 |
| <i>DAGLA</i> | 0.01156509 | 0.83521495 | 1 |
| <i>LOC550112</i> | 0.01147563 | 0.83647153 | 1 |
| <i>TMED7-TICA</i> | 0.01142038 | 0.83724787 | 1 |
| <i>MED7</i> | 0.01137418 | 0.83789721 | 1 |
| <i>SAMD14</i> | 0.0113695 | 0.83796297 | 1 |
| <i>HOXB6</i> | 0.0113485 | 0.83825813 | 1 |
| <i>CCDC92</i> | 0.01130498 | 0.8388699 | 1 |
| <i>OR4C45</i> | 0.0112283 | 0.83994814 | 1 |
| <i>T</i> | 0.0111682 | 0.84079331 | 1 |
| <i>OR2A14</i> | 0.01114309 | 0.84114657 | 1 |
| <i>PRKY</i> | 0.01110852 | 0.84163282 | 1 |
| <i>TGM7</i> | 0.0110927 | 0.84185539 | 1 |
| <i>BIK</i> | 0.01107532 | 0.84209993 | 1 |
| <i>OLFM4</i> | 0.01103388 | 0.84268305 | 1 |
| <i>OIT3</i> | 0.0110186 | 0.8428981 | 1 |
| <i>C19orf71</i> | 0.01091976 | 0.84428934 | 1 |
| <i>ZNF597</i> | 0.01087042 | 0.84498398 | 1 |

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| <i>FUT7</i> | 0.01083325 | 0.84550735 | 1 |
| <i>ADAMTS20</i> | 0.01077602 | 0.84631337 | 1 |
| <i>C2orf18</i> | 0.0107597 | 0.84654334 | 1 |
| <i>OTUD6A</i> | 0.01073404 | 0.84690472 | 1 |
| <i>MYF5</i> | 0.01073079 | 0.84695045 | 1 |
| <i>BATF</i> | 0.01067719 | 0.84770568 | 1 |
| <i>GOLGA6B</i> | 0.01064384 | 0.84817557 | 1 |
| <i>SPP2</i> | 0.01059216 | 0.84890389 | 1 |
| <i>ZFP36L1</i> | 0.01057944 | 0.84908321 | 1 |
| <i>GLT6D1</i> | 0.01056964 | 0.84922127 | 1 |
| <i>CCT8L2</i> | 0.01054733 | 0.8495358 | 1 |
| <i>CHST14</i> | 0.01049971 | 0.85020707 | 1 |
| <i>SNORA3</i> | 0.01047645 | 0.85053503 | 1 |
| <i>SPATA24</i> | 0.01044357 | 0.8509987 | 1 |
| <i>LOC146481</i> | 0.01039091 | 0.85174131 | 1 |
| <i>APEH</i> | 0.010355 | 0.85224781 | 1 |
| <i>FER1L5</i> | 0.01034635 | 0.85236971 | 1 |
| <i>STEAP3</i> | 0.01021082 | 0.85428195 | 1 |
| <i>DGAT2L6</i> | 0.01019401 | 0.85451917 | 1 |
| <i>LBH</i> | 0.01017265 | 0.85482064 | 1 |
| <i>CECR2</i> | 0.01003769 | 0.85672576 | 1 |
| <i>WDR38</i> | 0.00996736 | 0.85771905 | 1 |
| <i>DPPA3</i> | 0.00991247 | 0.85849423 | 1 |
| <i>SERPINE3</i> | 0.00982821 | 0.85968464 | 1 |
| <i>FADD</i> | 0.00974184 | 0.86090512 | 1 |
| <i>SLC22A20</i> | 0.00971251 | 0.86131968 | 1 |
| <i>GGA2</i> | 0.00969991 | 0.86149789 | 1 |
| <i>FOXD4</i> | 0.00968792 | 0.86166725 | 1 |
| <i>SLC22A14</i> | 0.00966903 | 0.86193432 | 1 |
| <i>DFNB31</i> | 0.00966645 | 0.86197087 | 1 |
| <i>SCARNA27</i> | 0.00962592 | 0.86254382 | 1 |
| <i>ZNF845</i> | 0.00962002 | 0.86262717 | 1 |
| <i>CLDN25</i> | 0.0096123 | 0.86273636 | 1 |
| <i>PAQR3</i> | 0.00955456 | 0.86355289 | 1 |
| <i>PTPN14</i> | 0.00950953 | 0.86418958 | 1 |
| <i>CHCHD5</i> | 0.00944971 | 0.86503572 | 1 |
| <i>KRTAP5-10</i> | 0.00938662 | 0.86592833 | 1 |
| <i>RNASE12</i> | 0.00936784 | 0.86619409 | 1 |
| <i>PSG1</i> | 0.00931608 | 0.86692655 | 1 |
| <i>RHBDD1</i> | 0.00928643 | 0.86734617 | 1 |
| <i>RABL2B</i> | 0.00924379 | 0.86794962 | 1 |
| <i>IRX4</i> | 0.00916882 | 0.86901095 | 1 |
| <i>TTY15</i> | 0.00916517 | 0.86906256 | 1 |
| <i>KRT33A</i> | 0.0090924 | 0.87009297 | 1 |
| <i>RPTN</i> | 0.00909123 | 0.87010961 | 1 |
| <i>GPX7</i> | 0.00908736 | 0.87016443 | 1 |
| <i>CD1B</i> | 0.00908225 | 0.87023669 | 1 |
| <i>ARID4B</i> | 0.00907858 | 0.87028877 | 1 |
| <i>TMEM185A</i> | 0.0090593 | 0.87056175 | 1 |
| <i>CYB5R4</i> | 0.00905187 | 0.87066706 | 1 |
| <i>MGC34034</i> | 0.00904769 | 0.87072622 | 1 |

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| <i>LOC440905</i> | 0.00903527 | 0.87090203 | 1 |
| <i>FLJ25328</i> | 0.00901225 | 0.87122812 | 1 |
| <i>VMAC</i> | 0.00898003 | 0.8716845 | 1 |
| <i>CRP</i> | 0.00896253 | 0.87193247 | 1 |
| <i>DNAH10</i> | 0.00894382 | 0.87219746 | 1 |
| <i>OR2T3</i> | 0.00893242 | 0.87235905 | 1 |
| <i>GH2</i> | 0.00889993 | 0.87281933 | 1 |
| <i>TM9SF2</i> | 0.00887286 | 0.87320291 | 1 |
| <i>UTY</i> | 0.0088301 | 0.87380889 | 1 |
| <i>NKX2-5</i> | 0.00879156 | 0.87435506 | 1 |
| <i>SLC26A9</i> | 0.00877602 | 0.87457535 | 1 |
| <i>CLDND2</i> | 0.00875906 | 0.87481578 | 1 |
| <i>LOC284688</i> | 0.00872427 | 0.87530885 | 1 |
| <i>STOML1</i> | 0.00866091 | 0.87620719 | 1 |
| <i>GLRA2</i> | 0.0086497 | 0.87636612 | 1 |
| <i>C8orf31</i> | 0.00863937 | 0.87651252 | 1 |
| <i>ZNF562</i> | 0.00863267 | 0.87660754 | 1 |
| <i>C20orf203</i> | 0.00862765 | 0.87667882 | 1 |
| <i>LRFN2</i> | 0.00856685 | 0.87754094 | 1 |
| <i>ZFP112</i> | 0.00855584 | 0.87769714 | 1 |
| <i>COPE</i> | 0.00855158 | 0.87775758 | 1 |
| <i>PMCHL2</i> | 0.00855131 | 0.87776138 | 1 |
| <i>VTI1A</i> | 0.00851531 | 0.87827204 | 1 |
| <i>CETN1</i> | 0.00849653 | 0.8785384 | 1 |
| <i>WDR65</i> | 0.00846953 | 0.87892143 | 1 |
| <i>OR4F5</i> | 0.00846242 | 0.87902223 | 1 |
| <i>MAFK</i> | 0.00843511 | 0.8794097 | 1 |
| <i>GNRH2</i> | 0.00843474 | 0.87941495 | 1 |
| <i>CCDC127</i> | 0.00841008 | 0.87976479 | 1 |
| <i>SCN8A</i> | 0.00826863 | 0.88177213 | 1 |
| <i>DYDC2</i> | 0.00823142 | 0.88230037 | 1 |
| <i>LMAN2</i> | 0.00821899 | 0.88247683 | 1 |
| <i>TIFA</i> | 0.00820808 | 0.88263163 | 1 |
| <i>TMEM207</i> | 0.00820018 | 0.88274375 | 1 |
| <i>SPATA8</i> | 0.0081665 | 0.8832219 | 1 |
| <i>TBXAS1</i> | 0.00811066 | 0.88401478 | 1 |
| <i>NCRNA0009</i> | 0.0081102 | 0.88402137 | 1 |
| <i>GLYCTK</i> | 0.00810713 | 0.88406497 | 1 |
| <i>ZNF771</i> | 0.00805579 | 0.88479405 | 1 |
| <i>OR2F2</i> | 0.00800838 | 0.88546736 | 1 |
| <i>PLA2R1</i> | 0.00800356 | 0.88553582 | 1 |
| <i>C9orf109</i> | 0.00799801 | 0.88561466 | 1 |
| <i>HAO2</i> | 0.00798875 | 0.8857462 | 1 |
| <i>CLIC3</i> | 0.00793367 | 0.88652864 | 1 |
| <i>HES4</i> | 0.00790418 | 0.88694751 | 1 |
| <i>ADAM30</i> | 0.00786457 | 0.8875103 | 1 |
| <i>LOC1001317</i> | 0.0078583 | 0.88759936 | 1 |
| <i>GPR75</i> | 0.00779868 | 0.88844656 | 1 |
| <i>FAM190B</i> | 0.00777451 | 0.88879012 | 1 |
| <i>C17orf67</i> | 0.0077634 | 0.88894799 | 1 |
| <i>MCCD1</i> | 0.00769082 | 0.88997954 | 1 |

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| <i>CSMD2</i> | 0.0076768 | 0.8901789 | 1 |
| <i>DDX4</i> | 0.00764553 | 0.89062343 | 1 |
| <i>SNORD115-2</i> | 0.00764056 | 0.89069414 | 1 |
| <i>C3orf38</i> | 0.00761345 | 0.89107949 | 1 |
| <i>DKFZP434K0</i> | 0.0076027 | 0.89123229 | 1 |
| <i>MALAT1</i> | 0.00759139 | 0.89139317 | 1 |
| <i>UPF2</i> | 0.00748115 | 0.89296073 | 1 |
| <i>MGC23284</i> | 0.00746277 | 0.89322221 | 1 |
| <i>CTAG2</i> | 0.00739671 | 0.89416186 | 1 |
| <i>ISCA1P1</i> | 0.00739311 | 0.89421298 | 1 |
| <i>OR2V2</i> | 0.00736911 | 0.89455445 | 1 |
| <i>ENPEP</i> | 0.00711391 | 0.89818593 | 1 |
| <i>CCDC115</i> | 0.00709021 | 0.89852337 | 1 |
| <i>C19orf18</i> | 0.00698334 | 0.90004484 | 1 |
| <i>GRB14</i> | 0.0069097 | 0.90109341 | 1 |
| <i>LCA5</i> | 0.00690586 | 0.90114813 | 1 |
| <i>COPB1</i> | 0.00690028 | 0.90122754 | 1 |
| <i>ZNF345</i> | 0.0068506 | 0.90193519 | 1 |
| <i>CAPSL</i> | 0.00683778 | 0.90211774 | 1 |
| <i>OMA1</i> | 0.00682257 | 0.90233437 | 1 |
| <i>EDDM3B</i> | 0.00677528 | 0.90300803 | 1 |
| <i>TRIM32</i> | 0.0067284 | 0.90367583 | 1 |
| <i>CCDC33</i> | 0.0066232 | 0.90517475 | 1 |
| <i>FAM46D</i> | 0.00661096 | 0.90534923 | 1 |
| <i>NUDT2</i> | 0.00658877 | 0.90566544 | 1 |
| <i>RPS6KA4</i> | 0.00657747 | 0.90582651 | 1 |
| <i>PRR5</i> | 0.00657421 | 0.90587293 | 1 |
| <i>PANK2</i> | 0.00655359 | 0.90616676 | 1 |
| <i>ERI1</i> | 0.00654361 | 0.90630906 | 1 |
| <i>PABPN1L</i> | 0.00651619 | 0.90669985 | 1 |
| <i>SPDYE2</i> | 0.00647735 | 0.90725337 | 1 |
| <i>OR5M3</i> | 0.00647428 | 0.9072972 | 1 |
| <i>OR2B3</i> | 0.00643761 | 0.90781995 | 1 |
| <i>C14orf53</i> | 0.00642708 | 0.90797007 | 1 |
| <i>OR5B3</i> | 0.00639492 | 0.90842847 | 1 |
| <i>LHB</i> | 0.00623845 | 0.91065962 | 1 |
| <i>CST11</i> | 0.00622608 | 0.91083602 | 1 |
| <i>NR4A1</i> | 0.00622142 | 0.91090255 | 1 |
| <i>ILVBL</i> | 0.00615803 | 0.91180653 | 1 |
| <i>NDST3</i> | 0.00611244 | 0.91245692 | 1 |
| <i>ZNF740</i> | 0.0061037 | 0.91258156 | 1 |
| <i>F10</i> | 0.00608818 | 0.91280299 | 1 |
| <i>LCE1B</i> | 0.00608312 | 0.91287514 | 1 |
| <i>MPV17L</i> | 0.00605676 | 0.91325124 | 1 |
| <i>SNORA49</i> | 0.00604615 | 0.91340253 | 1 |
| <i>CAPRIN2</i> | 0.00601323 | 0.91387225 | 1 |
| <i>OC90</i> | 0.00593793 | 0.9149467 | 1 |
| <i>ZNF320</i> | 0.00582281 | 0.91658953 | 1 |
| <i>PPP1R14C</i> | 0.00578138 | 0.91718097 | 1 |
| <i>OR2Z1</i> | 0.00573949 | 0.91777889 | 1 |
| <i>NLRP8</i> | 0.00573949 | 0.91777889 | 1 |

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| <i>DNAJC5G</i> | 0.0057304 | 0.91790856 | 1 |
| <i>NUDT17</i> | 0.00570781 | 0.9182311 | 1 |
| <i>PTGR2</i> | 0.0057016 | 0.91831972 | 1 |
| <i>DMRTB1</i> | 0.00568286 | 0.9185873 | 1 |
| <i>REXO1L1</i> | 0.00566448 | 0.91884969 | 1 |
| <i>AASDH</i> | 0.00563652 | 0.91924888 | 1 |
| <i>GSTTP1</i> | 0.00559918 | 0.91978204 | 1 |
| <i>TTY13</i> | 0.00555189 | 0.92045725 | 1 |
| <i>IL28A</i> | 0.00555021 | 0.92048129 | 1 |
| <i>WRAP53</i> | 0.00554576 | 0.92054477 | 1 |
| <i>ATP6V1B1</i> | 0.00553875 | 0.92064486 | 1 |
| <i>SCARNA11</i> | 0.00553587 | 0.92068605 | 1 |
| <i>SNORA28</i> | 0.00553587 | 0.92068605 | 1 |
| <i>DUSP4</i> | 0.00552128 | 0.92089443 | 1 |
| <i>SPATA16</i> | 0.00545383 | 0.92185763 | 1 |
| <i>PRAMEF20</i> | 0.00543969 | 0.9220597 | 1 |
| <i>PFKFB4</i> | 0.00536014 | 0.92319587 | 1 |
| <i>CYLC2</i> | 0.00531563 | 0.92383179 | 1 |
| <i>PRDXDD1P</i> | 0.00528956 | 0.92420414 | 1 |
| <i>ZNF124</i> | 0.00526933 | 0.92449314 | 1 |
| <i>STATH</i> | 0.00520313 | 0.9254391 | 1 |
| <i>C17orf74</i> | 0.0051917 | 0.92560231 | 1 |
| <i>LOC283922</i> | 0.00516778 | 0.92594411 | 1 |
| <i>OR5V1</i> | 0.00513749 | 0.92637699 | 1 |
| <i>HIST1H4K</i> | 0.0051338 | 0.92642968 | 1 |
| <i>TRIML1</i> | 0.00513319 | 0.92643844 | 1 |
| <i>PIM3</i> | 0.00511252 | 0.92673375 | 1 |
| <i>HIST1H1D</i> | 0.00511209 | 0.92673999 | 1 |
| <i>GOLGA6C</i> | 0.005091 | 0.92704129 | 1 |
| <i>ARID5A</i> | 0.00495544 | 0.92897889 | 1 |
| <i>SERPINI1</i> | 0.00495377 | 0.9290027 | 1 |
| <i>CSAG3</i> | 0.0049517 | 0.92903235 | 1 |
| <i>GCM2</i> | 0.00489772 | 0.92980397 | 1 |
| <i>CCDC105</i> | 0.00486005 | 0.93034245 | 1 |
| <i>KRTAP4-12</i> | 0.00485699 | 0.9303862 | 1 |
| <i>OR6C75</i> | 0.00484386 | 0.93057393 | 1 |
| <i>LOC388946</i> | 0.00481877 | 0.93093272 | 1 |
| <i>LOC441294</i> | 0.00473867 | 0.93207789 | 1 |
| <i>FOXR2</i> | 0.00456895 | 0.93450514 | 1 |
| <i>REG3G</i> | 0.0045326 | 0.93502494 | 1 |
| <i>CDNF</i> | 0.00447677 | 0.93582355 | 1 |
| <i>CXorf40A</i> | 0.00446206 | 0.93603409 | 1 |
| <i>DRAM1</i> | 0.00443082 | 0.93648096 | 1 |
| <i>HDHD1A</i> | 0.00432082 | 0.93805471 | 1 |
| <i>DAZ2</i> | 0.00429763 | 0.93838644 | 1 |
| <i>SACS</i> | 0.00429709 | 0.93839411 | 1 |
| <i>SNX31</i> | 0.00427277 | 0.93874219 | 1 |
| <i>LHX8</i> | 0.00415689 | 0.94040043 | 1 |
| <i>OR2B2</i> | 0.00410708 | 0.94111328 | 1 |
| <i>RCOR2</i> | 0.00409081 | 0.94134611 | 1 |
| <i>CAPNS2</i> | 0.00408431 | 0.94143915 | 1 |

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| ZSCAN20 | 0.0040582 | 0.94181283 | 1 |
| ZNF737 | 0.00404077 | 0.9420623 | 1 |
| OR7A10 | 0.00403087 | 0.94220395 | 1 |
| TMEM202 | 0.00403087 | 0.94220395 | 1 |
| ANKRD54 | 0.00402633 | 0.94226894 | 1 |
| PRDM15 | 0.00400854 | 0.94252366 | 1 |
| AP1M1 | 0.00398235 | 0.94289846 | 1 |
| MGC27382 | 0.00397841 | 0.9429549 | 1 |
| KRTAP10-3 | 0.00397295 | 0.94303304 | 1 |
| CSN3 | 0.00394762 | 0.94339567 | 1 |
| SYT12 | 0.00393357 | 0.94359673 | 1 |
| SLC5A9 | 0.00392865 | 0.94366721 | 1 |
| MOBKL1A | 0.00392297 | 0.94374856 | 1 |
| SEMA3C | 0.00390552 | 0.94399839 | 1 |
| SH2D4B | 0.0038727 | 0.94446824 | 1 |
| HRH3 | 0.00384132 | 0.94491745 | 1 |
| RBM15 | 0.0038178 | 0.94525411 | 1 |
| TTC23L | 0.00379433 | 0.94559024 | 1 |
| KCNU1 | 0.00375276 | 0.94618536 | 1 |
| LHX1 | 0.00374515 | 0.94629443 | 1 |
| CSNK1A1L | 0.00374105 | 0.94635306 | 1 |
| RHD | 0.00372819 | 0.94653723 | 1 |
| CHMP4A | 0.00369485 | 0.94701465 | 1 |
| TSPYL4 | 0.00367766 | 0.94726071 | 1 |
| JOSD2 | 0.00359886 | 0.94838922 | 1 |
| PPDPF | 0.00358657 | 0.94856519 | 1 |
| RASL10A | 0.0035701 | 0.94880113 | 1 |
| DGCR14 | 0.00353913 | 0.94924461 | 1 |
| L3MBTL3 | 0.00351805 | 0.94954652 | 1 |
| OR10Z1 | 0.00350855 | 0.94968255 | 1 |
| TPRX1 | 0.00347355 | 0.95018387 | 1 |
| LOX | 0.00346147 | 0.95035689 | 1 |
| HES3 | 0.00339806 | 0.9512651 | 1 |
| GOLGA6D | 0.00337385 | 0.95161193 | 1 |
| FGF4 | 0.0033064 | 0.95257817 | 1 |
| CLDN4 | 0.00330075 | 0.95265914 | 1 |
| GCN1L1 | 0.00328589 | 0.95287197 | 1 |
| MYL5 | 0.00328104 | 0.95294147 | 1 |
| TMEM92 | 0.00327941 | 0.95296486 | 1 |
| USP13 | 0.00327347 | 0.95304994 | 1 |
| OTUD3 | 0.00321118 | 0.9539424 | 1 |
| CSNK2A1P | 0.00320743 | 0.95399608 | 1 |
| LOC84856 | 0.00319331 | 0.95419841 | 1 |
| ZNF644 | 0.00318025 | 0.95438547 | 1 |
| ESRP2 | 0.00317858 | 0.95440948 | 1 |
| VEZT | 0.00317565 | 0.95445139 | 1 |
| MAGEB10 | 0.00316971 | 0.95453656 | 1 |
| CLEC3A | 0.00316382 | 0.95462094 | 1 |
| PTPLA | 0.00312986 | 0.95510746 | 1 |
| THEG | 0.00306915 | 0.95597739 | 1 |
| ZNF490 | 0.00298601 | 0.95716869 | 1 |

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| <i>PBOV1</i> | 0.00297574 | 0.95731584 | 1 |
| <i>ACTBL2</i> | 0.00297286 | 0.95735711 | 1 |
| <i>GABRG3</i> | 0.00288052 | 0.95868053 | 1 |
| <i>CLEC18C</i> | 0.00287951 | 0.95869494 | 1 |
| <i>TMPRSS11B</i> | 0.0027838 | 0.96006666 | 1 |
| <i>ALMS1</i> | 0.00275896 | 0.96042269 | 1 |
| <i>UQCR11</i> | 0.00269514 | 0.96133749 | 1 |
| <i>DEFB135</i> | 0.00260555 | 0.96262171 | 1 |
| <i>OR2T34</i> | 0.00256129 | 0.96325626 | 1 |
| <i>TRPM8</i> | 0.00250224 | 0.96410276 | 1 |
| <i>CTRB2</i> | 0.00248567 | 0.96434035 | 1 |
| <i>C9orf91</i> | 0.0024343 | 0.96507679 | 1 |
| <i>KRTAP12-3</i> | 0.00234031 | 0.96642441 | 1 |
| <i>KRTAP4-11</i> | 0.00231369 | 0.96680616 | 1 |
| <i>ARL1</i> | 0.00229114 | 0.96712941 | 1 |
| <i>SLC7A5P1</i> | 0.00224731 | 0.96775797 | 1 |
| <i>UTP14C</i> | 0.00221484 | 0.96822359 | 1 |
| <i>NPHP3</i> | 0.00221329 | 0.9682457 | 1 |
| <i>C15orf28</i> | 0.00217662 | 0.96877164 | 1 |
| <i>KCNJ15</i> | 0.00217188 | 0.96883955 | 1 |
| <i>MAGEC3</i> | 0.00216913 | 0.96887898 | 1 |
| <i>OXNAD1</i> | 0.00216655 | 0.96891605 | 1 |
| <i>RPP14</i> | 0.00215272 | 0.96911433 | 1 |
| <i>NCK2</i> | 0.00215226 | 0.96912091 | 1 |
| <i>NOTCH1</i> | 0.00210312 | 0.9698256 | 1 |
| <i>OR13C4</i> | 0.00209209 | 0.96998385 | 1 |
| <i>TMCO5A</i> | 0.00202126 | 0.97099954 | 1 |
| <i>OR1A2</i> | 0.00202126 | 0.97099954 | 1 |
| <i>GPR84</i> | 0.0019444 | 0.97210184 | 1 |
| <i>FOXR1</i> | 0.00192676 | 0.97235487 | 1 |
| <i>CTRB1</i> | 0.00191298 | 0.97255251 | 1 |
| <i>TERF2</i> | 0.00189837 | 0.97276209 | 1 |
| <i>TBC1D3P2</i> | 0.00187972 | 0.9730296 | 1 |
| <i>HIRA</i> | 0.00179 | 0.97431646 | 1 |
| <i>SHROOM2</i> | 0.00178704 | 0.97435885 | 1 |
| <i>VENTXP7</i> | 0.00177286 | 0.97456224 | 1 |
| <i>SAT1</i> | 0.00177173 | 0.97457843 | 1 |
| <i>PRDM4</i> | 0.00177112 | 0.97458721 | 1 |
| <i>VWA5B1</i> | 0.00175405 | 0.97483203 | 1 |
| <i>LOC149620</i> | 0.00166817 | 0.9760639 | 1 |
| <i>SPHK1</i> | 0.00164449 | 0.97640355 | 1 |
| <i>GPC1</i> | 0.0016237 | 0.97670186 | 1 |
| <i>SPANXN2</i> | 0.00162288 | 0.97671358 | 1 |
| <i>C14orf135</i> | 0.00159589 | 0.97710073 | 1 |
| <i>PDGFRB</i> | 0.00158199 | 0.97730016 | 1 |
| <i>TAF6L</i> | 0.00152442 | 0.97812606 | 1 |
| <i>PSMB9</i> | 0.00151708 | 0.97823136 | 1 |
| <i>RNF34</i> | 0.00149901 | 0.97849047 | 1 |
| <i>RAG1</i> | 0.00148183 | 0.97873706 | 1 |
| <i>NAA30</i> | 0.00144492 | 0.97926657 | 1 |
| <i>LOC728323</i> | 0.0014266 | 0.97952933 | 1 |

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| <i>C6orf203</i> | 0.00135792 | 0.98051459 | 1 |
| <i>GCNT1</i> | 0.00135459 | 0.98056237 | 1 |
| <i>IRX3</i> | 0.0013383 | 0.98079613 | 1 |
| <i>FLJ36000</i> | 0.00132042 | 0.98105266 | 1 |
| <i>NCRNA0016</i> | 0.00128635 | 0.98154145 | 1 |
| <i>SNORA37</i> | 0.00127923 | 0.98164351 | 1 |
| <i>ITPRIP</i> | 0.00124548 | 0.98212776 | 1 |
| <i>DSPP</i> | 0.00122747 | 0.9823862 | 1 |
| <i>TMPRSS12</i> | 0.00121367 | 0.9825842 | 1 |
| <i>ZBTB38</i> | 0.00112503 | 0.98385603 | 1 |
| <i>ZNF41</i> | 0.00111968 | 0.98393267 | 1 |
| <i>C4orf51</i> | 0.00106388 | 0.98473341 | 1 |
| <i>ADAMTS2</i> | 0.00106347 | 0.98473918 | 1 |
| <i>ZG16B</i> | 0.00099565 | 0.98571229 | 1 |
| <i>TXNRD2</i> | 0.00097785 | 0.98596776 | 1 |
| <i>CELA2A</i> | 0.00086567 | 0.98757745 | 1 |
| <i>? 728603</i> | 0.0008176 | 0.98826713 | 1 |
| <i>SPRR2C</i> | 0.00079536 | 0.98858624 | 1 |
| <i>CSNK1A1</i> | 0.00078999 | 0.98866343 | 1 |
| <i>CRH</i> | 0.00077402 | 0.98889254 | 1 |
| <i>ZNF649</i> | 0.00075007 | 0.98923624 | 1 |
| <i>GUCY2C</i> | 0.00072418 | 0.98960772 | 1 |
| <i>KRTAP9-9</i> | 0.00071574 | 0.98972885 | 1 |
| <i>NNMT</i> | 0.00068917 | 0.99011006 | 1 |
| <i>C20orf106</i> | 0.00068834 | 0.99012196 | 1 |
| <i>ADAD1</i> | 0.00057803 | 0.99170493 | 1 |
| <i>MGMT</i> | 0.00055798 | 0.99199269 | 1 |
| <i>MS4A13</i> | 0.00055336 | 0.99205895 | 1 |
| <i>UBE2L3</i> | 0.00052441 | 0.9924744 | 1 |
| <i>AFARP1</i> | 0.00049441 | 0.99290488 | 1 |
| <i>LRP4</i> | 0.00047992 | 0.99311278 | 1 |
| <i>C20orf79</i> | 0.00045742 | 0.99343566 | 1 |
| <i>KRTAP19-3</i> | 0.00043659 | 0.99373463 | 1 |
| <i>OR5AR1</i> | 0.00043659 | 0.99373463 | 1 |
| <i>LOC647859</i> | 0.00042795 | 0.99385868 | 1 |
| <i>TMEM114</i> | 0.00038912 | 0.9944158 | 1 |
| <i>MOCOS</i> | 0.00038808 | 0.9944307 | 1 |
| <i>TBX18</i> | 0.00038626 | 0.99445692 | 1 |
| <i>CYP4Z2P</i> | 0.00034103 | 0.99510598 | 1 |
| <i>KRT13</i> | 0.00030528 | 0.99561907 | 1 |
| <i>KDM5D</i> | 0.00026937 | 0.99613431 | 1 |
| <i>ZBED3</i> | 0.00024133 | 0.99653674 | 1 |
| <i>ZNF14</i> | 0.00023184 | 0.99667297 | 1 |
| <i>GEMIN8P4</i> | 0.00021013 | 0.99698441 | 1 |
| <i>OR4N4</i> | 0.00020688 | 0.99703107 | 1 |
| <i>ZNF10</i> | 0.00020289 | 0.99708832 | 1 |
| <i>CSRP3</i> | 0.00019902 | 0.99714391 | 1 |
| <i>NGRN</i> | 0.00019658 | 0.99717894 | 1 |
| <i>HEXIM2</i> | 0.00018791 | 0.99730332 | 1 |
| <i>CYP26C1</i> | 0.00015185 | 0.99782081 | 1 |
| <i>HSPA13</i> | 1.00E-04 | 0.99856503 | 1 |

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| <i>TAF8</i> | 9.91E-05 | 0.99857831 | 1 |
| <i>SRY</i> | 8.51E-05 | 0.99877825 | 1 |
| <i>MSGN1</i> | 4.71E-05 | 0.99932365 | 1 |
| <i>LOC286135</i> | -1.06E-06 | 0.99998477 | 1 |
| <i>C18orf2</i> | -2.01E-05 | 0.99971149 | 1 |
| <i>LOC1002707</i> | -3.03E-05 | 0.99956506 | 1 |
| <i>UNCX</i> | -5.12E-05 | 0.99926498 | 1 |
| <i>TYW3</i> | -6.23E-05 | 0.9991062 | 1 |
| <i>PRR23B</i> | -6.86E-05 | 0.9990158 | 1 |
| <i>ZC3H12A</i> | -0.0001178 | 0.99830892 | 1 |
| <i>MUC16</i> | -0.0001623 | 0.99767082 | 1 |
| <i>C4orf42</i> | -0.0001845 | 0.9973523 | 1 |
| <i>RNFT1</i> | -0.0001872 | 0.9973137 | 1 |
| <i>DLX2</i> | -0.0002364 | 0.99660724 | 1 |
| <i>NKAIN4</i> | -0.0002451 | 0.99648218 | 1 |
| <i>OR1D4</i> | -0.0002678 | 0.99615642 | 1 |
| <i>SALL3</i> | -0.0002947 | 0.99577114 | 1 |
| <i>MAP4K5</i> | -0.0003213 | 0.9953884 | 1 |
| <i>GORAB</i> | -0.0003363 | 0.99517433 | 1 |
| <i>SPCS3</i> | -0.0003645 | 0.99476913 | 1 |
| <i>NKIRAS1</i> | -0.0003699 | 0.99469146 | 1 |
| <i>TEX9</i> | -0.000375 | 0.99461893 | 1 |
| <i>NLRP5</i> | -0.000412 | 0.99408703 | 1 |
| <i>C22orf24</i> | -0.0004369 | 0.99373081 | 1 |
| <i>POTEC</i> | -0.000453 | 0.99349926 | 1 |
| <i>PLXDC1</i> | -0.0004623 | 0.99336604 | 1 |
| <i>C12orf69</i> | -0.0004782 | 0.99313722 | 1 |
| <i>GRXCR2</i> | -0.000499 | 0.99283834 | 1 |
| <i>INS</i> | -0.0005974 | 0.99142713 | 1 |
| <i>C2orf50</i> | -0.0005988 | 0.99140736 | 1 |
| <i>DEFA1B</i> | -0.0006001 | 0.99138764 | 1 |
| <i>ZSCAN29</i> | -0.000644 | 0.99075872 | 1 |
| <i>KLHDC10</i> | -0.0006623 | 0.99049555 | 1 |
| <i>RANBP10</i> | -0.0006798 | 0.99024441 | 1 |
| <i>LOC143666</i> | -0.0006992 | 0.9899668 | 1 |
| <i>F5</i> | -0.0007416 | 0.98935842 | 1 |
| <i>GMCL1L</i> | -0.0007448 | 0.98931209 | 1 |
| <i>KRTAP5-2</i> | -0.000765 | 0.98902208 | 1 |
| <i>KRTAP4-5</i> | -0.000779 | 0.9888207 | 1 |
| <i>IMP5</i> | -0.0007843 | 0.98874572 | 1 |
| <i>CBX5</i> | -0.0007852 | 0.98873183 | 1 |
| <i>LOC645431</i> | -0.0007956 | 0.98858283 | 1 |
| <i>ACOX2</i> | -0.0008069 | 0.98842038 | 1 |
| <i>ZNF780A</i> | -0.0008502 | 0.98779895 | 1 |
| <i>HBEGF</i> | -0.0008631 | 0.98761488 | 1 |
| <i>PRSS37</i> | -0.0009293 | 0.98666453 | 1 |
| <i>TMEM150B</i> | -0.0009519 | 0.98634078 | 1 |
| <i>HGFAC</i> | -0.0009683 | 0.98610504 | 1 |
| <i>MCF2L</i> | -0.0009741 | 0.98602218 | 1 |
| <i>SNORA11</i> | -0.0009795 | 0.98594457 | 1 |
| <i>PIP5KL1</i> | -0.000993 | 0.98575087 | 1 |

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| <i>ANTXR1</i> | -0.0010222 | 0.98533178 | 1 |
| <i>TGIF2LY</i> | -0.0010943 | 0.98429667 | 1 |
| <i>GRK4</i> | -0.0011088 | 0.98408922 | 1 |
| <i>ZNF185</i> | -0.0011284 | 0.98380822 | 1 |
| <i>OR9I1</i> | -0.0011392 | 0.98365224 | 1 |
| <i>OR52A5</i> | -0.0011392 | 0.98365224 | 1 |
| <i>CRHR1</i> | -0.0011417 | 0.9836169 | 1 |
| <i>FOXL1</i> | -0.0011906 | 0.98291488 | 1 |
| <i>PPA2</i> | -0.0012143 | 0.98257565 | 1 |
| <i>ALB</i> | -0.0012155 | 0.98255785 | 1 |
| <i>LEMD3</i> | -0.0012366 | 0.98225452 | 1 |
| <i>IGHMBP2</i> | -0.0012531 | 0.98201866 | 1 |
| <i>NDFIP1</i> | -0.0013022 | 0.98131393 | 1 |
| <i>LUZP4</i> | -0.001347 | 0.98067164 | 1 |
| <i>OR10H4</i> | -0.0013517 | 0.98060387 | 1 |
| <i>GAGE12J</i> | -0.0013822 | 0.98016693 | 1 |
| <i>ADAMTS9</i> | -0.0014805 | 0.9787563 | 1 |
| <i>IL29</i> | -0.0014921 | 0.97858974 | 1 |
| <i>HOXD12</i> | -0.0015945 | 0.97712047 | 1 |
| <i>PYGO2</i> | -0.0016149 | 0.97682857 | 1 |
| <i>NCRNA0010</i> | -0.001633 | 0.97656773 | 1 |
| <i>CLDN3</i> | -0.0016991 | 0.97561987 | 1 |
| <i>DUPD1</i> | -0.0017049 | 0.97553678 | 1 |
| <i>Cxorf66</i> | -0.0017766 | 0.97450804 | 1 |
| <i>DLAT</i> | -0.0017805 | 0.9744533 | 1 |
| <i>NDUFB3</i> | -0.0017947 | 0.97424917 | 1 |
| <i>SLC48A1</i> | -0.0018064 | 0.97408113 | 1 |
| <i>APOC1P1</i> | -0.0018151 | 0.97395577 | 1 |
| <i>TRABD</i> | -0.0018184 | 0.97390877 | 1 |
| <i>PNPLA5</i> | -0.0018962 | 0.97279352 | 1 |
| <i>MTRF1L</i> | -0.0019903 | 0.97144416 | 1 |
| <i>OR10S1</i> | -0.0020684 | 0.97032379 | 1 |
| <i>PRG3</i> | -0.0021239 | 0.96952718 | 1 |
| <i>CDH9</i> | -0.0021532 | 0.96910808 | 1 |
| <i>SNORA65</i> | -0.0021588 | 0.96902659 | 1 |
| <i>ARL13A</i> | -0.002233 | 0.9679635 | 1 |
| <i>ABCC4</i> | -0.0022565 | 0.96762547 | 1 |
| <i>LOC729668</i> | -0.0024298 | 0.9651412 | 1 |
| <i>C3orf42</i> | -0.0024632 | 0.96466288 | 1 |
| <i>MUC20</i> | -0.0024652 | 0.96463395 | 1 |
| <i>FOXC1</i> | -0.0024728 | 0.96452518 | 1 |
| <i>ANXA2</i> | -0.0024999 | 0.96413658 | 1 |
| <i>VNN3</i> | -0.0025046 | 0.96406889 | 1 |
| <i>LIPE</i> | -0.0025428 | 0.96352129 | 1 |
| <i>LOC1001322</i> | -0.002583 | 0.96294484 | 1 |
| <i>OR2T5</i> | -0.0025881 | 0.96287132 | 1 |
| <i>CD70</i> | -0.0025923 | 0.96281133 | 1 |
| <i>C10orf122</i> | -0.0026075 | 0.96259396 | 1 |
| <i>ZNF599</i> | -0.0026264 | 0.96232225 | 1 |
| <i>LOC654433</i> | -0.0026266 | 0.96231992 | 1 |
| <i>SP7</i> | -0.0026284 | 0.96229375 | 1 |

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| <i>C6orf163</i> | -0.0026332 | 0.96222605 | 1 |
| <i>NHLH2</i> | -0.0026451 | 0.96205447 | 1 |
| <i>DSCR10</i> | -0.0026638 | 0.96178712 | 1 |
| <i>OR5P2</i> | -0.0026675 | 0.96173344 | 1 |
| <i>CSGALNACT4</i> | -0.0027034 | 0.96121937 | 1 |
| <i>IL1RN</i> | -0.0027114 | 0.96110515 | 1 |
| <i>HNF4A</i> | -0.0027186 | 0.96100164 | 1 |
| <i>UBA1</i> | -0.0027426 | 0.96065696 | 1 |
| <i>PRSS16</i> | -0.0027562 | 0.96046266 | 1 |
| <i>NGLY1</i> | -0.0027818 | 0.96009506 | 1 |
| <i>YIPF7</i> | -0.0028455 | 0.95918242 | 1 |
| <i>CPA6</i> | -0.0029204 | 0.95810929 | 1 |
| <i>SNTB2</i> | -0.0030052 | 0.95689331 | 1 |
| <i>ARL11</i> | -0.0030158 | 0.95674203 | 1 |
| <i>C10orf40</i> | -0.0030335 | 0.95648887 | 1 |
| <i>DAZ1</i> | -0.0030596 | 0.95611432 | 1 |
| <i>FRMPD2L1</i> | -0.0031143 | 0.95533 | 1 |
| <i>WDFY2</i> | -0.0031221 | 0.95521894 | 1 |
| <i>ZNF836</i> | -0.0031446 | 0.95489693 | 1 |
| <i>OR6K3</i> | -0.0032138 | 0.95390416 | 1 |
| <i>USP9Y</i> | -0.0032149 | 0.95388913 | 1 |
| <i>IFI44</i> | -0.0032176 | 0.95385049 | 1 |
| <i>SLC25A40</i> | -0.0032931 | 0.9527694 | 1 |
| <i>HIST1H3F</i> | -0.0033029 | 0.952629 | 1 |
| <i>SPINK7</i> | -0.0033341 | 0.95218093 | 1 |
| <i>CCL1</i> | -0.0033369 | 0.95214102 | 1 |
| <i>MED8</i> | -0.0033997 | 0.95124172 | 1 |
| <i>ZNF446</i> | -0.0034061 | 0.9511493 | 1 |
| <i>CLSTN3</i> | -0.003423 | 0.95090822 | 1 |
| <i>CT45A6</i> | -0.0034697 | 0.95023898 | 1 |
| <i>FAM86B1</i> | -0.0034878 | 0.94998016 | 1 |
| <i>IAPP</i> | -0.0035563 | 0.94899806 | 1 |
| <i>LOC285735</i> | -0.0036045 | 0.94830914 | 1 |
| <i>PLGLA</i> | -0.0036712 | 0.94735322 | 1 |
| <i>LRRC10</i> | -0.0036908 | 0.94707289 | 1 |
| <i>LOC1001709</i> | -0.0037256 | 0.94657448 | 1 |
| <i>NOTCH4</i> | -0.0037736 | 0.94588631 | 1 |
| <i>LOC285501</i> | -0.0038078 | 0.94539669 | 1 |
| <i>C22orf43</i> | -0.0038436 | 0.94488424 | 1 |
| <i>PATE2</i> | -0.0038755 | 0.94442774 | 1 |
| <i>ASAP1IT1</i> | -0.0038933 | 0.94417262 | 1 |
| <i>MYST2</i> | -0.0039036 | 0.9440255 | 1 |
| <i>PCNAP1</i> | -0.0039106 | 0.94392597 | 1 |
| <i>YME1L1</i> | -0.0040036 | 0.9425939 | 1 |
| <i>VSTM2L</i> | -0.0040315 | 0.94219429 | 1 |
| <i>ABCA12</i> | -0.0040374 | 0.94211089 | 1 |
| <i>GFRA4</i> | -0.0040532 | 0.94188417 | 1 |
| <i>SRP54</i> | -0.0040683 | 0.94166781 | 1 |
| <i>C3orf19</i> | -0.0040916 | 0.9413343 | 1 |
| <i>DRAM2</i> | -0.0041379 | 0.94067214 | 1 |
| <i>KIAA0391</i> | -0.0041423 | 0.94060958 | 1 |

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| <i>MED22</i> | -0.0041841 | 0.94001064 | 1 |
| <i>SPANXN3</i> | -0.0042125 | 0.93960485 | 1 |
| <i>SOAT2</i> | -0.0042245 | 0.93943273 | 1 |
| <i>GAGE8</i> | -0.0043053 | 0.93827644 | 1 |
| <i>HTATIP2</i> | -0.0043351 | 0.93784994 | 1 |
| <i>GPR153</i> | -0.0044097 | 0.93678336 | 1 |
| <i>CGB2</i> | -0.004475 | 0.93584858 | 1 |
| <i>TBC1D8B</i> | -0.0044783 | 0.93580154 | 1 |
| <i>CNOT3</i> | -0.0045 | 0.9354911 | 1 |
| <i>FAM19A1</i> | -0.0045456 | 0.93483857 | 1 |
| <i>RAB4A</i> | -0.0045604 | 0.93462749 | 1 |
| <i>GSTTP2</i> | -0.0045747 | 0.93442334 | 1 |
| <i>GALR3</i> | -0.0046124 | 0.93388379 | 1 |
| <i>PIWIL2</i> | -0.0046184 | 0.93379769 | 1 |
| <i>PI4KAP2</i> | -0.0046203 | 0.93377126 | 1 |
| <i>SNAP47</i> | -0.0046689 | 0.93307542 | 1 |
| <i>GYPB</i> | -0.0047158 | 0.93240486 | 1 |
| <i>SNAR-F</i> | -0.0047158 | 0.93240486 | 1 |
| <i>OR6C68</i> | -0.0047158 | 0.93240486 | 1 |
| <i>OR2W1</i> | -0.0047634 | 0.93172413 | 1 |
| <i>LIPM</i> | -0.0047692 | 0.93164175 | 1 |
| <i>DEFB109P1B</i> | -0.0047854 | 0.93141049 | 1 |
| <i>HSPA12A</i> | -0.0047895 | 0.93135076 | 1 |
| <i>TNFRSF19</i> | -0.0048181 | 0.9309427 | 1 |
| <i>GJB5</i> | -0.0049209 | 0.92947307 | 1 |
| <i>HIST2H2AA3</i> | -0.0049372 | 0.92923942 | 1 |
| <i>HINFP</i> | -0.0049518 | 0.9290311 | 1 |
| <i>APOBEC4</i> | -0.0049658 | 0.92883112 | 1 |
| <i>NCRNA0016</i> | -0.0049727 | 0.92873144 | 1 |
| <i>RBMXL3</i> | -0.0051537 | 0.92614581 | 1 |
| <i>FLJ14107</i> | -0.0051974 | 0.92552106 | 1 |
| <i>SLC30A9</i> | -0.0052036 | 0.92543263 | 1 |
| <i>NBPF3</i> | -0.0052249 | 0.92512828 | 1 |
| <i>LRRC37B2</i> | -0.0052308 | 0.92504426 | 1 |
| <i>PCDHB10</i> | -0.0052358 | 0.92497182 | 1 |
| <i>QRICH2</i> | -0.0052716 | 0.92446013 | 1 |
| <i>AOC2</i> | -0.0052993 | 0.92406489 | 1 |
| <i>ZBTB1</i> | -0.0053412 | 0.92346605 | 1 |
| <i>OR6B3</i> | -0.0053566 | 0.92324604 | 1 |
| <i>LIN7C</i> | -0.0053741 | 0.92299611 | 1 |
| <i>PAGE2</i> | -0.0054297 | 0.92220205 | 1 |
| <i>LIPK</i> | -0.0054522 | 0.92188137 | 1 |
| <i>TIAF1</i> | -0.0054552 | 0.92183744 | 1 |
| <i>C1orf25</i> | -0.005495 | 0.921269 | 1 |
| <i>MGC4473</i> | -0.0055594 | 0.92034981 | 1 |
| <i>NRAS</i> | -0.0055659 | 0.92025681 | 1 |
| <i>OR4M1</i> | -0.0056011 | 0.91975462 | 1 |
| <i>ANKRD26P1</i> | -0.0056037 | 0.91971702 | 1 |
| <i>RASGRF2</i> | -0.0056076 | 0.91966234 | 1 |
| <i>C21orf81</i> | -0.0056175 | 0.91951998 | 1 |
| <i>TNFRSF10A</i> | -0.0056362 | 0.91925293 | 1 |

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| <i>UBXN2B</i> | -0.0056374 | 0.91923597 | 1 |
| <i>C9orf37</i> | -0.0056418 | 0.91917297 | 1 |
| <i>C6orf191</i> | -0.0056462 | 0.9191111 | 1 |
| <i>C12orf74</i> | -0.0056954 | 0.91840834 | 1 |
| <i>TAS2R10</i> | -0.0057099 | 0.91820067 | 1 |
| <i>RAB5A</i> | -0.0057698 | 0.91734582 | 1 |
| <i>VPS33A</i> | -0.0057896 | 0.91706365 | 1 |
| <i>C15orf40</i> | -0.0058198 | 0.91663286 | 1 |
| <i>ZNF862</i> | -0.0058645 | 0.91599387 | 1 |
| <i>TGM2</i> | -0.0059131 | 0.91530034 | 1 |
| <i>HIST1H1T</i> | -0.0059222 | 0.91517134 | 1 |
| <i>LRIT2</i> | -0.0059428 | 0.91487758 | 1 |
| <i>C18orf56</i> | -0.0059703 | 0.91448536 | 1 |
| <i>C8orf84</i> | -0.0059779 | 0.91437614 | 1 |
| <i>SSX5</i> | -0.0059848 | 0.91427821 | 1 |
| <i>ZBTB10</i> | -0.0059879 | 0.91423433 | 1 |
| <i>LYPLA2</i> | -0.006019 | 0.91378972 | 1 |
| <i>OR4K15</i> | -0.0060719 | 0.9130351 | 1 |
| <i>OR1L4</i> | -0.006072 | 0.91303437 | 1 |
| <i>TGFBR1</i> | -0.0061391 | 0.91207678 | 1 |
| <i>SPANXN4</i> | -0.0061854 | 0.91141632 | 1 |
| <i>SLC38A11</i> | -0.0062034 | 0.91115995 | 1 |
| <i>KCNC4</i> | -0.0062192 | 0.91093473 | 1 |
| <i>TMTC3</i> | -0.0062428 | 0.91059828 | 1 |
| <i>PRSS55</i> | -0.0062429 | 0.91059552 | 1 |
| <i>GRAP</i> | -0.0062474 | 0.91053228 | 1 |
| <i>PRO0611</i> | -0.0063226 | 0.90946025 | 1 |
| <i>CLEC18A</i> | -0.0063638 | 0.9088726 | 1 |
| <i>LOC727924</i> | -0.006366 | 0.9088406 | 1 |
| <i>CYP3A7</i> | -0.0065404 | 0.90635464 | 1 |
| <i>TMEM176B</i> | -0.0065472 | 0.90625856 | 1 |
| <i>PRAC</i> | -0.0065621 | 0.90604494 | 1 |
| <i>BRD3</i> | -0.0065837 | 0.90573773 | 1 |
| <i>XAGE5</i> | -0.0066163 | 0.90527369 | 1 |
| <i>TCEB3C</i> | -0.0066684 | 0.90453123 | 1 |
| <i>PRAMEF11</i> | -0.0066891 | 0.90423508 | 1 |
| <i>IL34</i> | -0.0067452 | 0.9034361 | 1 |
| <i>SEL1L3</i> | -0.0067499 | 0.90336919 | 1 |
| <i>SYNPO2L</i> | -0.0067976 | 0.90268965 | 1 |
| <i>KBTBD8</i> | -0.0068761 | 0.90157243 | 1 |
| <i>VCY</i> | -0.0068784 | 0.90153944 | 1 |
| <i>KCNK18</i> | -0.0068936 | 0.90132238 | 1 |
| <i>FOXD1</i> | -0.0068968 | 0.90127735 | 1 |
| <i>S100G</i> | -0.0069211 | 0.90093127 | 1 |
| <i>LOC613037</i> | -0.0069485 | 0.90054106 | 1 |
| <i>JMJD8</i> | -0.0069605 | 0.90036993 | 1 |
| <i>CTBP1</i> | -0.0069782 | 0.90011735 | 1 |
| <i>KIAA0319</i> | -0.0069961 | 0.89986275 | 1 |
| <i>KRTAP26-1</i> | -0.0070264 | 0.89943148 | 1 |
| <i>C5orf49</i> | -0.0070533 | 0.89904882 | 1 |
| <i>B3GALNT1</i> | -0.007073 | 0.89876787 | 1 |

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| <i>ZNF389</i> | -0.0070743 | 0.89875025 | 1 |
| <i>UAP1L1</i> | -0.007103 | 0.89834103 | 1 |
| <i>SELT</i> | -0.0071269 | 0.89800159 | 1 |
| <i>CLRN1</i> | -0.0071518 | 0.89764606 | 1 |
| <i>GDF2</i> | -0.0072334 | 0.89648545 | 1 |
| <i>C3orf48</i> | -0.0072631 | 0.89606268 | 1 |
| <i>DAD1</i> | -0.0072667 | 0.89601136 | 1 |
| <i>ATXN7L3B</i> | -0.0073035 | 0.89548724 | 1 |
| <i>SNORA29</i> | -0.0073211 | 0.89523704 | 1 |
| <i>OR51B4</i> | -0.0073299 | 0.89511215 | 1 |
| <i>IL28RA</i> | -0.0073444 | 0.89490601 | 1 |
| <i>HN1</i> | -0.0073696 | 0.89454807 | 1 |
| <i>SDF2</i> | -0.0073959 | 0.89417273 | 1 |
| <i>LELP1</i> | -0.0074248 | 0.89376224 | 1 |
| <i>HSFY1</i> | -0.0074248 | 0.89376224 | 1 |
| <i>SNAR-G1</i> | -0.0074635 | 0.89321233 | 1 |
| <i>XAGE1D</i> | -0.0075231 | 0.8923647 | 1 |
| <i>PRMT8</i> | -0.0075615 | 0.89181857 | 1 |
| <i>C4BPB</i> | -0.0075933 | 0.8913665 | 1 |
| <i>PCP4</i> | -0.0076331 | 0.89079964 | 1 |
| <i>NCRNA0016</i> | -0.0076649 | 0.89034737 | 1 |
| <i>COL3A1</i> | -0.0077364 | 0.88933243 | 1 |
| <i>PNPLA3</i> | -0.0077393 | 0.88928997 | 1 |
| <i>AQP5</i> | -0.0077471 | 0.88917929 | 1 |
| <i>CALCB</i> | -0.0078459 | 0.88777599 | 1 |
| <i>IL32</i> | -0.0078477 | 0.88775053 | 1 |
| <i>VPS52</i> | -0.007852 | 0.88768903 | 1 |
| <i>CYMP</i> | -0.0079088 | 0.88688216 | 1 |
| <i>RGL3</i> | -0.0079325 | 0.88654484 | 1 |
| <i>KRTAP10-1</i> | -0.007936 | 0.88649596 | 1 |
| <i>C20orf186</i> | -0.0079825 | 0.88583562 | 1 |
| <i>FAM81B</i> | -0.0080143 | 0.88538363 | 1 |
| <i>OR6C4</i> | -0.0080478 | 0.88490748 | 1 |
| <i>DPP3</i> | -0.0080531 | 0.8848327 | 1 |
| <i>GLTSCR2</i> | -0.0080735 | 0.88454274 | 1 |
| <i>MGC2889</i> | -0.0080746 | 0.88452715 | 1 |
| <i>TMSB4Y</i> | -0.0080863 | 0.88436022 | 1 |
| <i>TBC1D21</i> | -0.0081399 | 0.88359939 | 1 |
| <i>TTY6</i> | -0.0082067 | 0.88265084 | 1 |
| <i>NID2</i> | -0.008235 | 0.88224995 | 1 |
| <i>IDE</i> | -0.0082878 | 0.88150046 | 1 |
| <i>ABCC6P1</i> | -0.008295 | 0.88139812 | 1 |
| <i>LRRC8D</i> | -0.0083274 | 0.8809387 | 1 |
| <i>ONECUT3</i> | -0.0083288 | 0.88091806 | 1 |
| <i>LOC144742</i> | -0.0083787 | 0.88020981 | 1 |
| <i>ELAVL2</i> | -0.0083969 | 0.87995138 | 1 |
| <i>ELSPBP1</i> | -0.0083982 | 0.879933 | 1 |
| <i>TES</i> | -0.0084063 | 0.87981844 | 1 |
| <i>RNF40</i> | -0.0084249 | 0.87955479 | 1 |
| <i>GLRA1</i> | -0.0084334 | 0.87943462 | 1 |
| <i>C10orf125</i> | -0.0084848 | 0.87870475 | 1 |

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| <i>ABCF3</i> | -0.0085097 | 0.8783514 | 1 |
| <i>MGA</i> | -0.008515 | 0.87827676 | 1 |
| <i>DPY19L2P4</i> | -0.0085642 | 0.87757855 | 1 |
| <i>FLJ10038</i> | -0.008663 | 0.87617773 | 1 |
| <i>FLJ10213</i> | -0.0086748 | 0.87601031 | 1 |
| <i>WASH2P</i> | -0.0086865 | 0.87584409 | 1 |
| <i>BCAP29</i> | -0.0087383 | 0.87510992 | 1 |
| <i>TRAPPC3</i> | -0.0087613 | 0.87478328 | 1 |
| <i>C14orf165</i> | -0.0088219 | 0.87392453 | 1 |
| <i>WNT7A</i> | -0.0088223 | 0.87391893 | 1 |
| <i>KLHDC5</i> | -0.0088644 | 0.87332269 | 1 |
| <i>CDKN2D</i> | -0.0088646 | 0.87332032 | 1 |
| <i>C15orf5</i> | -0.0088974 | 0.87285549 | 1 |
| <i>STEAP2</i> | -0.0089187 | 0.87255272 | 1 |
| <i>FNDC3A</i> | -0.008926 | 0.87244963 | 1 |
| <i>C21orf130</i> | -0.0089416 | 0.87222933 | 1 |
| <i>BMP8A</i> | -0.0089539 | 0.87205432 | 1 |
| <i>ERBB3</i> | -0.0089988 | 0.87141823 | 1 |
| <i>PHLDB3</i> | -0.0090051 | 0.87132938 | 1 |
| <i>COL18A1</i> | -0.009073 | 0.87036738 | 1 |
| <i>GRHPR</i> | -0.0090737 | 0.87035805 | 1 |
| <i>MMP24</i> | -0.0091273 | 0.86959891 | 1 |
| <i>REEP1</i> | -0.0092071 | 0.8684684 | 1 |
| <i>ABCC12</i> | -0.009221 | 0.86827184 | 1 |
| <i>PRR25</i> | -0.0092312 | 0.86812831 | 1 |
| <i>TOB1</i> | -0.0092601 | 0.86771813 | 1 |
| <i>FBXW10</i> | -0.009279 | 0.86745076 | 1 |
| <i>SYNGR4</i> | -0.0093334 | 0.86668144 | 1 |
| <i>COL8A1</i> | -0.0093348 | 0.86666209 | 1 |
| <i>PPP1R3F</i> | -0.0093673 | 0.8662011 | 1 |
| <i>RRM2B</i> | -0.0093889 | 0.86589629 | 1 |
| <i>C1orf130</i> | -0.0093956 | 0.86580168 | 1 |
| <i>CCDC6</i> | -0.0094101 | 0.86559603 | 1 |
| <i>HEXDC</i> | -0.0094533 | 0.86498513 | 1 |
| <i>FIGLA</i> | -0.0095016 | 0.86430238 | 1 |
| <i>FAM100B</i> | -0.0095697 | 0.86333837 | 1 |
| <i>PLAC1L</i> | -0.0095925 | 0.8630166 | 1 |
| <i>TRIM72</i> | -0.009598 | 0.86293895 | 1 |
| <i>TSPYL2</i> | -0.0097045 | 0.86143342 | 1 |
| <i>FBXO11</i> | -0.0097431 | 0.86088719 | 1 |
| <i>OR6C2</i> | -0.0097576 | 0.86068282 | 1 |
| <i>VIL1</i> | -0.0098342 | 0.85960029 | 1 |
| <i>OR7C2</i> | -0.0098385 | 0.85953873 | 1 |
| <i>ZNF474</i> | -0.009921 | 0.85837433 | 1 |
| <i>PRAMEF6</i> | -0.0099617 | 0.85779896 | 1 |
| <i>BAGE</i> | -0.0100604 | 0.85640566 | 1 |
| <i>CKM</i> | -0.0101328 | 0.85538244 | 1 |
| <i>CDYL</i> | -0.010198 | 0.85446232 | 1 |
| <i>SNAR-G2</i> | -0.0103042 | 0.85296441 | 1 |
| <i>SLC28A1</i> | -0.010343 | 0.85241723 | 1 |
| <i>LUM</i> | -0.0104027 | 0.85157538 | 1 |

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| <i>LOC646982</i> | -0.0104367 | 0.85109485 | 1 |
| <i>GIP</i> | -0.0104547 | 0.85084235 | 1 |
| <i>IRF5</i> | -0.0104707 | 0.85061676 | 1 |
| <i>PRKD3</i> | -0.0104821 | 0.85045571 | 1 |
| <i>MYADML</i> | -0.010501 | 0.85018821 | 1 |
| <i>TMEM189-U</i> | -0.0105344 | 0.84971844 | 1 |
| <i>REG1P</i> | -0.010562 | 0.84932884 | 1 |
| <i>PAGE4</i> | -0.0105896 | 0.84893987 | 1 |
| <i>TSPAN31</i> | -0.0106492 | 0.84810044 | 1 |
| <i>SCARNA4</i> | -0.0106892 | 0.84753667 | 1 |
| <i>OR8S1</i> | -0.0107062 | 0.84729658 | 1 |
| <i>LOC284009</i> | -0.0107598 | 0.84654239 | 1 |
| <i>LOC729603</i> | -0.0107732 | 0.84635361 | 1 |
| <i>CCNG1</i> | -0.0108347 | 0.84548701 | 1 |
| <i>KRTAP2-2</i> | -0.0108596 | 0.84513564 | 1 |
| <i>KCNH2</i> | -0.0108673 | 0.84502805 | 1 |
| <i>EFCAB6</i> | -0.0108739 | 0.84493489 | 1 |
| <i>SMOC2</i> | -0.0108838 | 0.84479567 | 1 |
| <i>CSHL1</i> | -0.0109421 | 0.84397413 | 1 |
| <i>UBQLN2</i> | -0.010969 | 0.84359668 | 1 |
| <i>CRIP3</i> | -0.0110309 | 0.84272536 | 1 |
| <i>NDUFA13</i> | -0.0110413 | 0.84257912 | 1 |
| <i>ABHD2</i> | -0.0110695 | 0.84218253 | 1 |
| <i>RNF160</i> | -0.0111437 | 0.84113828 | 1 |
| <i>SNORA54</i> | -0.0111618 | 0.84088274 | 1 |
| <i>TEX13A</i> | -0.0112037 | 0.8402942 | 1 |
| <i>PNLIP</i> | -0.0112153 | 0.84013093 | 1 |
| <i>ADIG</i> | -0.0112675 | 0.83939667 | 1 |
| <i>TAS2R31</i> | -0.0112786 | 0.83924015 | 1 |
| <i>DGCR9</i> | -0.0113226 | 0.83862208 | 1 |
| <i>OR10T2</i> | -0.0113643 | 0.83803537 | 1 |
| <i>MTX3</i> | -0.0114298 | 0.83711608 | 1 |
| <i>CCDC101</i> | -0.0114371 | 0.8370134 | 1 |
| <i>ADAM2</i> | -0.0114885 | 0.8362914 | 1 |
| <i>TMEM214</i> | -0.0115424 | 0.8355333 | 1 |
| <i>ORMDL3</i> | -0.0115558 | 0.83534598 | 1 |
| <i>SLC7A10</i> | -0.0115861 | 0.83492025 | 1 |
| <i>MRPL27</i> | -0.0116089 | 0.83460027 | 1 |
| <i>NR2E1</i> | -0.011649 | 0.8340362 | 1 |
| <i>NUDT16P1</i> | -0.0116576 | 0.83391568 | 1 |
| <i>CSTT</i> | -0.0117598 | 0.83248125 | 1 |
| <i>IL20RB</i> | -0.0117599 | 0.83248027 | 1 |
| <i>ZKSCAN1</i> | -0.0117647 | 0.83241186 | 1 |
| <i>FZD9</i> | -0.0118042 | 0.83185795 | 1 |
| <i>FCGR1A</i> | -0.0118245 | 0.83157389 | 1 |
| <i>LOC401127</i> | -0.0118691 | 0.83094805 | 1 |
| <i>COQ2</i> | -0.0118996 | 0.8305196 | 1 |
| <i>OR52E4</i> | -0.0119997 | 0.82911572 | 1 |
| <i>RS1</i> | -0.0121099 | 0.82757066 | 1 |
| <i>CLPX</i> | -0.0121154 | 0.82749425 | 1 |
| <i>LIMS1</i> | -0.0121943 | 0.82638759 | 1 |

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| <i>ADAMTS18</i> | -0.0122037 | 0.82625641 | 1 |
| <i>TBR1</i> | -0.0122199 | 0.82602925 | 1 |
| <i>OR52L1</i> | -0.0122283 | 0.82591129 | 1 |
| <i>GOLGA8E</i> | -0.0122659 | 0.82538571 | 1 |
| <i>CXorf61</i> | -0.0123052 | 0.82483403 | 1 |
| <i>INTS10</i> | -0.0123745 | 0.82386407 | 1 |
| <i>UBE2G2</i> | -0.0124096 | 0.82337232 | 1 |
| <i>RICTOR</i> | -0.0124572 | 0.82270583 | 1 |
| <i>FAM149B1</i> | -0.0125039 | 0.82205328 | 1 |
| <i>OR2K2</i> | -0.0125434 | 0.8215003 | 1 |
| <i>KIAA1530</i> | -0.0125816 | 0.8209654 | 1 |
| <i>GPR45</i> | -0.0126481 | 0.82003534 | 1 |
| <i>NAPSA</i> | -0.0126589 | 0.81988454 | 1 |
| <i>ANKRD37</i> | -0.0126713 | 0.8197106 | 1 |
| <i>ADAM7</i> | -0.0127635 | 0.81842234 | 1 |
| <i>PARP16</i> | -0.0127773 | 0.81822955 | 1 |
| <i>HORMAD1</i> | -0.0128006 | 0.81790325 | 1 |
| <i>BLID</i> | -0.0128963 | 0.81656608 | 1 |
| <i>BMS1P5</i> | -0.0129082 | 0.81639978 | 1 |
| <i>LOC348840</i> | -0.0129262 | 0.81614872 | 1 |
| <i>TUBA3D</i> | -0.0129262 | 0.81614829 | 1 |
| <i>CDS2</i> | -0.0129397 | 0.81595952 | 1 |
| <i>FTCD</i> | -0.0129563 | 0.81572803 | 1 |
| <i>SPINK14</i> | -0.0129736 | 0.81548548 | 1 |
| <i>PACSI</i> | -0.0130056 | 0.81503916 | 1 |
| <i>PDCL</i> | -0.0130968 | 0.81376612 | 1 |
| <i>OR12D2</i> | -0.0131122 | 0.8135513 | 1 |
| <i>SCRT1</i> | -0.0131322 | 0.81327211 | 1 |
| <i>USP17L2</i> | -0.0131655 | 0.81280726 | 1 |
| <i>HYALP1</i> | -0.0131782 | 0.81262996 | 1 |
| <i>AGAP5</i> | -0.0132201 | 0.81204533 | 1 |
| <i>GP6</i> | -0.013311 | 0.81077653 | 1 |
| <i>CFHR4</i> | -0.0133313 | 0.81049451 | 1 |
| <i>ACOT13</i> | -0.0133326 | 0.81047582 | 1 |
| <i>KRTAP11-1</i> | -0.0133684 | 0.80997615 | 1 |
| <i>BTG4</i> | -0.0134057 | 0.80945591 | 1 |
| <i>MESDC2</i> | -0.013448 | 0.80886639 | 1 |
| <i>CES7</i> | -0.013474 | 0.80850377 | 1 |
| <i>LOC1001012</i> | -0.0135597 | 0.80730953 | 1 |
| <i>CDC42SE1</i> | -0.0136222 | 0.80644018 | 1 |
| <i>LRRN1</i> | -0.0136418 | 0.80616669 | 1 |
| <i>GJB7</i> | -0.013646 | 0.80610754 | 1 |
| <i>FAM71F1</i> | -0.013713 | 0.80517576 | 1 |
| <i>CBY1</i> | -0.0137518 | 0.80463471 | 1 |
| <i>DHX16</i> | -0.013802 | 0.80393571 | 1 |
| <i>POSTN</i> | -0.0138711 | 0.8029741 | 1 |
| <i>SNORA50</i> | -0.0138843 | 0.80279045 | 1 |
| <i>PTPN3</i> | -0.0139266 | 0.80220293 | 1 |
| <i>NPBWR2</i> | -0.0139401 | 0.80201546 | 1 |
| <i>SNORA16A</i> | -0.0139963 | 0.80123354 | 1 |
| <i>SDHC</i> | -0.0140129 | 0.80100248 | 1 |

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| <i>GREB1</i> | -0.0140686 | 0.80022779 | 1 |
| <i>DSTYK</i> | -0.0140905 | 0.79992342 | 1 |
| <i>CTNNBIP1</i> | -0.0141415 | 0.79921481 | 1 |
| <i>ARL8B</i> | -0.0141642 | 0.79889874 | 1 |
| <i>YIF1B</i> | -0.0141808 | 0.79866845 | 1 |
| <i>AQR</i> | -0.0142659 | 0.79748688 | 1 |
| <i>ATP5L2</i> | -0.0143731 | 0.79599886 | 1 |
| <i>LYPD4</i> | -0.0144288 | 0.79522481 | 1 |
| <i>EIF4E2</i> | -0.0145247 | 0.79389459 | 1 |
| <i>SILV</i> | -0.0145894 | 0.79299714 | 1 |
| <i>ARPC4</i> | -0.0146268 | 0.79247804 | 1 |
| <i>VTCN1</i> | -0.0146613 | 0.7920002 | 1 |
| <i>SYF2</i> | -0.0147189 | 0.7912017 | 1 |
| <i>?280660</i> | -0.014719 | 0.79120106 | 1 |
| <i>BRF1</i> | -0.0147413 | 0.79089086 | 1 |
| <i>SOCS7</i> | -0.0147483 | 0.79079468 | 1 |
| <i>OR6S1</i> | -0.0147913 | 0.79019897 | 1 |
| <i>GATA4</i> | -0.014837 | 0.78956595 | 1 |
| <i>CEACAM18</i> | -0.0148695 | 0.78911536 | 1 |
| <i>GHRH</i> | -0.0149388 | 0.78815563 | 1 |
| <i>JMJD1C</i> | -0.0150595 | 0.78648606 | 1 |
| <i>LYPD1</i> | -0.015077 | 0.78624286 | 1 |
| <i>NTN5</i> | -0.015163 | 0.7850537 | 1 |
| <i>C3orf65</i> | -0.01521 | 0.78440428 | 1 |
| <i>CELA2B</i> | -0.0152469 | 0.78389332 | 1 |
| <i>OR56A3</i> | -0.0152556 | 0.78377402 | 1 |
| <i>HOXA1</i> | -0.0152857 | 0.78335753 | 1 |
| <i>TBC1D23</i> | -0.0153603 | 0.78232593 | 1 |
| <i>SLC22A6</i> | -0.0153827 | 0.78201652 | 1 |
| <i>MYL10</i> | -0.0153935 | 0.78186752 | 1 |
| <i>SEC61A1</i> | -0.0153979 | 0.78180779 | 1 |
| <i>NKX2-6</i> | -0.0154113 | 0.78162176 | 1 |
| <i>FIZ1</i> | -0.0154743 | 0.78075139 | 1 |
| <i>GJB6</i> | -0.0155051 | 0.78032728 | 1 |
| <i>OR52I2</i> | -0.0155181 | 0.78014717 | 1 |
| <i>SLC22A25</i> | -0.0155486 | 0.77972609 | 1 |
| <i>AMTN</i> | -0.0155745 | 0.77936879 | 1 |
| <i>CREB1</i> | -0.015581 | 0.77927907 | 1 |
| <i>C5orf48</i> | -0.0156006 | 0.77900833 | 1 |
| <i>SH2B2</i> | -0.0156212 | 0.77872485 | 1 |
| <i>ATP12A</i> | -0.0156263 | 0.77865444 | 1 |
| <i>FOXB2</i> | -0.0156727 | 0.77801355 | 1 |
| <i>ZNF527</i> | -0.0158807 | 0.77514542 | 1 |
| <i>FOXE3</i> | -0.0159399 | 0.77433057 | 1 |
| <i>DCXR</i> | -0.0159399 | 0.77433027 | 1 |
| <i>LENG1</i> | -0.0159649 | 0.77398672 | 1 |
| <i>FAM66E</i> | -0.0159778 | 0.77380831 | 1 |
| <i>FAM66C</i> | -0.0160044 | 0.77344188 | 1 |
| <i>C20orf185</i> | -0.0160387 | 0.77296992 | 1 |
| <i>ZNF653</i> | -0.0160481 | 0.77283973 | 1 |
| <i>ZNF530</i> | -0.0160852 | 0.77232986 | 1 |

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| <i>ELP2</i> | -0.0160883 | 0.77228691 | 1 |
| <i>RPS27</i> | -0.0161115 | 0.771968 | 1 |
| <i>POLN</i> | -0.0161768 | 0.77106893 | 1 |
| <i>IFT140</i> | -0.0161784 | 0.77104713 | 1 |
| <i>TXNDC17</i> | -0.0162818 | 0.76962438 | 1 |
| <i>IFI6</i> | -0.016332 | 0.7689346 | 1 |
| <i>NCRNA0008</i> | -0.0163706 | 0.76840357 | 1 |
| <i>LOC286094</i> | -0.0164436 | 0.76740106 | 1 |
| <i>AVP</i> | -0.0164657 | 0.76709705 | 1 |
| <i>TM4SF5</i> | -0.0165261 | 0.76626715 | 1 |
| <i>ADAMTS13</i> | -0.0165291 | 0.7662261 | 1 |
| <i>ARRB2</i> | -0.0165436 | 0.76602652 | 1 |
| <i>C19orf76</i> | -0.0166121 | 0.76508635 | 1 |
| <i>RABL2A</i> | -0.0166527 | 0.76452956 | 1 |
| <i>BHLHE23</i> | -0.016654 | 0.76451141 | 1 |
| <i>NINJ2</i> | -0.0166636 | 0.76437918 | 1 |
| <i>ACTA1</i> | -0.0166844 | 0.76409485 | 1 |
| <i>RTL1</i> | -0.0167078 | 0.76377346 | 1 |
| <i>FKSG83</i> | -0.0167185 | 0.7636269 | 1 |
| <i>USP29</i> | -0.0168329 | 0.76205743 | 1 |
| <i>FERD3L</i> | -0.0168473 | 0.76186045 | 1 |
| <i>TTC29</i> | -0.0168839 | 0.76135872 | 1 |
| <i>ZNF583</i> | -0.0169248 | 0.76079733 | 1 |
| <i>TBC1D26</i> | -0.0169257 | 0.7607849 | 1 |
| <i>ECEL1</i> | -0.0169411 | 0.760575 | 1 |
| <i>CDKL4</i> | -0.0169588 | 0.76033175 | 1 |
| <i>ZNF524</i> | -0.0169662 | 0.76023101 | 1 |
| <i>OR7G3</i> | -0.0170656 | 0.75886869 | 1 |
| <i>OR1S2</i> | -0.0170656 | 0.75886869 | 1 |
| <i>OR11L1</i> | -0.0170656 | 0.75886869 | 1 |
| <i>LRRC39</i> | -0.0172301 | 0.75661701 | 1 |
| <i>NOMO2</i> | -0.017262 | 0.7561817 | 1 |
| <i>EIF2C3</i> | -0.0172941 | 0.75574254 | 1 |
| <i>CLEC11A</i> | -0.0174267 | 0.75392872 | 1 |
| <i>C20orf202</i> | -0.0175049 | 0.75286079 | 1 |
| <i>C21orf119</i> | -0.0175707 | 0.75196196 | 1 |
| <i>ZXDA</i> | -0.0175743 | 0.75191336 | 1 |
| <i>HDAC1</i> | -0.0176017 | 0.75153952 | 1 |
| <i>CEACAM19</i> | -0.0176064 | 0.75147475 | 1 |
| <i>PITX3</i> | -0.0176184 | 0.75131151 | 1 |
| <i>SERPINB2</i> | -0.0176279 | 0.75118062 | 1 |
| <i>MAPK9</i> | -0.0176372 | 0.75105481 | 1 |
| <i>RUSC2</i> | -0.0176639 | 0.75068972 | 1 |
| <i>SLC17A6</i> | -0.0177286 | 0.74980669 | 1 |
| <i>PLEKHJ1</i> | -0.0177499 | 0.749517 | 1 |
| <i>MGC87042</i> | -0.0177884 | 0.74899118 | 1 |
| <i>VENTXP1</i> | -0.01783 | 0.74842455 | 1 |
| <i>FLOT1</i> | -0.017838 | 0.74831558 | 1 |
| <i>FDPSL2A</i> | -0.0178523 | 0.74811945 | 1 |
| <i>SUSD1</i> | -0.0178645 | 0.7479533 | 1 |
| <i>SPAG11B</i> | -0.0178694 | 0.74788644 | 1 |

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| <i>HLA-J</i> | -0.0178771 | 0.74778203 | 1 |
| <i>SPATA2L</i> | -0.0178847 | 0.7476789 | 1 |
| <i>SLPI</i> | -0.0179582 | 0.74667672 | 1 |
| <i>PEX6</i> | -0.0179605 | 0.74664588 | 1 |
| <i>ETV2</i> | -0.0179828 | 0.74634127 | 1 |
| <i>RPL21P44</i> | -0.0180027 | 0.746071 | 1 |
| <i>UBE2E3</i> | -0.0180276 | 0.74573096 | 1 |
| <i>BRD7P3</i> | -0.0180382 | 0.74558645 | 1 |
| <i>LOC729991-</i> | -0.0180525 | 0.74539271 | 1 |
| <i>SNORA4</i> | -0.0180759 | 0.74507349 | 1 |
| <i>KLHDC9</i> | -0.0180942 | 0.74482483 | 1 |
| <i>BPESC1</i> | -0.0181389 | 0.74421654 | 1 |
| <i>HIST4H4</i> | -0.0181505 | 0.74405813 | 1 |
| <i>NCRNA0002</i> | -0.0182091 | 0.74326133 | 1 |
| <i>C22orf27</i> | -0.0182202 | 0.74311041 | 1 |
| <i>CDC37L1</i> | -0.0182492 | 0.74271578 | 1 |
| <i>TSPY2</i> | -0.0182632 | 0.74252511 | 1 |
| <i>CENPBD1</i> | -0.0182994 | 0.74203215 | 1 |
| <i>FAM138D</i> | -0.0183072 | 0.74192609 | 1 |
| <i>NFKB1B</i> | -0.0183087 | 0.74190593 | 1 |
| <i>MYH6</i> | -0.0183331 | 0.74157425 | 1 |
| <i>CFI</i> | -0.0183618 | 0.74118372 | 1 |
| <i>OR10G9</i> | -0.0183747 | 0.7410085 | 1 |
| <i>KRT78</i> | -0.0183827 | 0.74090081 | 1 |
| <i>ESYT1</i> | -0.0184429 | 0.74008179 | 1 |
| <i>LOC91316</i> | -0.0184499 | 0.73998756 | 1 |
| <i>FSTL4</i> | -0.0184809 | 0.73956582 | 1 |
| <i>C20orf107</i> | -0.0185262 | 0.73895127 | 1 |
| <i>LQK1</i> | -0.0186471 | 0.73730975 | 1 |
| <i>CCDC163P</i> | -0.018657 | 0.73717541 | 1 |
| <i>C9orf96</i> | -0.0186656 | 0.73705847 | 1 |
| <i>C12orf35</i> | -0.0187073 | 0.73649341 | 1 |
| <i>ZNF883</i> | -0.0187783 | 0.73553005 | 1 |
| <i>POU4F3</i> | -0.0188049 | 0.7351698 | 1 |
| <i>LOC440896</i> | -0.0188283 | 0.7348526 | 1 |
| <i>CLN3</i> | -0.0188634 | 0.73437704 | 1 |
| <i>STH</i> | -0.0188916 | 0.73399488 | 1 |
| <i>POLH</i> | -0.0189281 | 0.73350057 | 1 |
| <i>LIPI</i> | -0.0190508 | 0.73183786 | 1 |
| <i>tAKR</i> | -0.0192554 | 0.72907039 | 1 |
| <i>PIWIL3</i> | -0.0192956 | 0.72852775 | 1 |
| <i>TSGA13</i> | -0.0193155 | 0.72825891 | 1 |
| <i>TM4SF4</i> | -0.0193574 | 0.72769274 | 1 |
| <i>OAS3</i> | -0.0193618 | 0.7276331 | 1 |
| <i>UGT2B4</i> | -0.0194415 | 0.72655647 | 1 |
| <i>RABEP2</i> | -0.0194524 | 0.72640926 | 1 |
| <i>PGBD4</i> | -0.0194538 | 0.7263907 | 1 |
| <i>TREML2P1</i> | -0.019494 | 0.72584774 | 1 |
| <i>LCE6A</i> | -0.0195151 | 0.72556232 | 1 |
| <i>C6orf58</i> | -0.019536 | 0.72528061 | 1 |
| <i>TRIM42</i> | -0.0196315 | 0.72399147 | 1 |

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| <i>UBXN8</i> | -0.0196373 | 0.72391445 | 1 |
| <i>TPI1P3</i> | -0.0196418 | 0.72385313 | 1 |
| <i>WBP2NL</i> | -0.0196449 | 0.72381124 | 1 |
| <i>HSD17B3</i> | -0.0196798 | 0.72334026 | 1 |
| <i>INO80D</i> | -0.0196806 | 0.72333062 | 1 |
| <i>TRIM49</i> | -0.0196834 | 0.72329279 | 1 |
| <i>NF1</i> | -0.0197699 | 0.72212566 | 1 |
| <i>ASCL3</i> | -0.0198182 | 0.72147595 | 1 |
| <i>LOC338799</i> | -0.0198663 | 0.7208273 | 1 |
| <i>GTDC1</i> | -0.0199108 | 0.72022823 | 1 |
| <i>HIST1H4A</i> | -0.0199161 | 0.72015663 | 1 |
| <i>OR52R1</i> | -0.0199163 | 0.72015485 | 1 |
| <i>TTY6B</i> | -0.0199673 | 0.71946808 | 1 |
| <i>C14orf70</i> | -0.019975 | 0.71936487 | 1 |
| <i>OR1F2P</i> | -0.0200368 | 0.71853318 | 1 |
| <i>UBTFL1</i> | -0.0201253 | 0.71734281 | 1 |
| <i>C5orf55</i> | -0.020148 | 0.71703764 | 1 |
| <i>PARP6</i> | -0.020192 | 0.71644578 | 1 |
| <i>TBC1D3H</i> | -0.020198 | 0.71636581 | 1 |
| <i>ADAM3A</i> | -0.0202048 | 0.71627414 | 1 |
| <i>TRAPPC6B</i> | -0.0202447 | 0.71573724 | 1 |
| <i>C14orf80</i> | -0.0203075 | 0.71489488 | 1 |
| <i>ISYNA1</i> | -0.0203829 | 0.71388177 | 1 |
| <i>SERPINB1</i> | -0.0204404 | 0.71311084 | 1 |
| <i>C1QL2</i> | -0.0204748 | 0.71264858 | 1 |
| <i>C1orf66</i> | -0.020476 | 0.71263265 | 1 |
| <i>PCA3</i> | -0.020626 | 0.71062221 | 1 |
| <i>OR5J2</i> | -0.0206511 | 0.71028602 | 1 |
| <i>TAAR5</i> | -0.0206511 | 0.71028602 | 1 |
| <i>OR2M2</i> | -0.0206511 | 0.71028602 | 1 |
| <i>TEAD1</i> | -0.0206709 | 0.71001984 | 1 |
| <i>TNNI1</i> | -0.0206873 | 0.70980109 | 1 |
| <i>KHDC1L</i> | -0.0206972 | 0.70966804 | 1 |
| <i>UBL4B</i> | -0.0207415 | 0.70907468 | 1 |
| <i>OR9A2</i> | -0.0207583 | 0.70884976 | 1 |
| <i>PSG9</i> | -0.0208512 | 0.70760682 | 1 |
| <i>ANXA2P1</i> | -0.0209137 | 0.70676951 | 1 |
| <i>RAB23</i> | -0.0209391 | 0.70643005 | 1 |
| <i>FLJ40292</i> | -0.0211504 | 0.70360628 | 1 |
| <i>CCDC27</i> | -0.0211679 | 0.70337371 | 1 |
| <i>SNAR-E</i> | -0.0212558 | 0.7021993 | 1 |
| <i>FLJ45983</i> | -0.0212714 | 0.70199242 | 1 |
| <i>TMED5</i> | -0.0212765 | 0.70192419 | 1 |
| <i>TAS2R7</i> | -0.0213147 | 0.70141399 | 1 |
| <i>ZNF187</i> | -0.0213849 | 0.70047805 | 1 |
| <i>TRPC5</i> | -0.0213905 | 0.70040283 | 1 |
| <i>BPIL3</i> | -0.021439 | 0.69975728 | 1 |
| <i>SRA1</i> | -0.0215949 | 0.69768046 | 1 |
| <i>WWC2</i> | -0.0216322 | 0.69718337 | 1 |
| <i>CYP4A11</i> | -0.0217376 | 0.6957819 | 1 |
| <i>VGLL2</i> | -0.0217603 | 0.69547951 | 1 |

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| <i>NPDC1</i> | -0.0218168 | 0.69472823 | 1 |
| <i>RPS15AP10</i> | -0.0218273 | 0.69458882 | 1 |
| <i>KDM4DL</i> | -0.0218352 | 0.69448385 | 1 |
| <i>TAF5</i> | -0.0218379 | 0.69444823 | 1 |
| <i>PIN1</i> | -0.0218694 | 0.69402925 | 1 |
| <i>SMO</i> | -0.021888 | 0.69378303 | 1 |
| <i>OR7E24</i> | -0.0219065 | 0.69353641 | 1 |
| <i>SLC22A24</i> | -0.021935 | 0.69315856 | 1 |
| <i>ARHGDIG</i> | -0.021946 | 0.69301193 | 1 |
| <i>NPNT</i> | -0.0219683 | 0.69271571 | 1 |
| <i>SLC2A2</i> | -0.0220188 | 0.69204562 | 1 |
| <i>NGEF</i> | -0.0220634 | 0.69145412 | 1 |
| <i>SDC1</i> | -0.0220634 | 0.69145328 | 1 |
| <i>SLU7</i> | -0.02208 | 0.69123272 | 1 |
| <i>BIRC8</i> | -0.0221181 | 0.69072812 | 1 |
| <i>FAM186A</i> | -0.0221351 | 0.69050303 | 1 |
| <i>DEFB136</i> | -0.0222711 | 0.68869912 | 1 |
| <i>IL27</i> | -0.0222745 | 0.68865455 | 1 |
| <i>ATP5G1</i> | -0.0223049 | 0.68825177 | 1 |
| <i>TSPY1</i> | -0.022342 | 0.68776101 | 1 |
| <i>TFAP2D</i> | -0.022342 | 0.68776101 | 1 |
| <i>ACTRT2</i> | -0.022342 | 0.68776101 | 1 |
| <i>LOC642929</i> | -0.022342 | 0.68776101 | 1 |
| <i>PRAMEF22</i> | -0.022342 | 0.68776101 | 1 |
| <i>CSH1</i> | -0.022342 | 0.68776101 | 1 |
| <i>FAM197Y2</i> | -0.022342 | 0.68776101 | 1 |
| <i>TSPY4</i> | -0.022342 | 0.68776101 | 1 |
| <i>DEFB107A</i> | -0.022342 | 0.68776101 | 1 |
| <i>LCE1A</i> | -0.022342 | 0.68776101 | 1 |
| <i>KRTAP20-4</i> | -0.022342 | 0.68776101 | 1 |
| <i>OR5H2</i> | -0.022342 | 0.68776101 | 1 |
| <i>RBMX1A3P</i> | -0.022342 | 0.68776101 | 1 |
| <i>FAM27L</i> | -0.022342 | 0.68776101 | 1 |
| <i>HIST1H2BJ</i> | -0.0223566 | 0.68756777 | 1 |
| <i>OR4X2</i> | -0.0224092 | 0.68687054 | 1 |
| <i>LOC285796</i> | -0.022479 | 0.68594757 | 1 |
| <i>BSX</i> | -0.0224996 | 0.68567438 | 1 |
| <i>ZNF286B</i> | -0.0225586 | 0.68489431 | 1 |
| <i>PNLDC1</i> | -0.0226253 | 0.68401291 | 1 |
| <i>LENEP</i> | -0.0226282 | 0.68397435 | 1 |
| <i>RANBP9</i> | -0.0226587 | 0.68357123 | 1 |
| <i>HIST2H4A</i> | -0.0226612 | 0.68353898 | 1 |
| <i>HELT</i> | -0.022708 | 0.68291979 | 1 |
| <i>OR4D11</i> | -0.0227758 | 0.68202557 | 1 |
| <i>CPSF3L</i> | -0.0227841 | 0.68191592 | 1 |
| <i>COX4I2</i> | -0.0228152 | 0.68150477 | 1 |
| <i>ZFP37</i> | -0.0228231 | 0.6814011 | 1 |
| <i>ASB14</i> | -0.0228899 | 0.68051903 | 1 |
| <i>NDUFV3</i> | -0.0229565 | 0.67964077 | 1 |
| <i>SPDYE1</i> | -0.0229699 | 0.67946459 | 1 |
| <i>GDPD4</i> | -0.0230165 | 0.67885046 | 1 |

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| <i>NEUROG1</i> | -0.0230403 | 0.67853707 | 1 |
| <i>BRS3</i> | -0.0230801 | 0.67801256 | 1 |
| <i>PIGK</i> | -0.0231117 | 0.67759686 | 1 |
| <i>ATP5I</i> | -0.0231142 | 0.67756308 | 1 |
| <i>ABAT</i> | -0.0231166 | 0.67753254 | 1 |
| <i>TLL13</i> | -0.0231201 | 0.67748552 | 1 |
| <i>CHIA</i> | -0.0231698 | 0.67683144 | 1 |
| <i>PLAUR</i> | -0.0232032 | 0.67639222 | 1 |
| <i>C21orf84</i> | -0.0232457 | 0.67583342 | 1 |
| <i>IDH1</i> | -0.0232901 | 0.6752492 | 1 |
| <i>CCDC67</i> | -0.0232906 | 0.6752422 | 1 |
| <i>C17orf105</i> | -0.0233073 | 0.67502272 | 1 |
| <i>SFTPB</i> | -0.02337 | 0.67419843 | 1 |
| <i>OR10P1</i> | -0.0233927 | 0.6739005 | 1 |
| <i>PSG2</i> | -0.0234103 | 0.67366896 | 1 |
| <i>LOC340508</i> | -0.0234121 | 0.67364521 | 1 |
| <i>LOC283314</i> | -0.0234127 | 0.67363759 | 1 |
| <i>SKP1</i> | -0.0234961 | 0.67254238 | 1 |
| <i>AAGAB</i> | -0.0235074 | 0.6723936 | 1 |
| <i>SLC25A16</i> | -0.0235343 | 0.67204055 | 1 |
| <i>SLC7A4</i> | -0.0235385 | 0.67198501 | 1 |
| <i>MZF1</i> | -0.0236129 | 0.67100943 | 1 |
| <i>CMTM2</i> | -0.0236414 | 0.67063464 | 1 |
| <i>MGC26647</i> | -0.0236522 | 0.67049355 | 1 |
| <i>MBD3L1</i> | -0.0236522 | 0.67049355 | 1 |
| <i>KRTAP19-8</i> | -0.0236522 | 0.67049355 | 1 |
| <i>OPLAH</i> | -0.0236863 | 0.67004631 | 1 |
| <i>COL4A2</i> | -0.0237608 | 0.66906953 | 1 |
| <i>CYTH2</i> | -0.0237685 | 0.66896853 | 1 |
| <i>CAMK2N2</i> | -0.0237759 | 0.66887162 | 1 |
| <i>SEMA5B</i> | -0.0237881 | 0.66871178 | 1 |
| <i>IFNA4</i> | -0.0238155 | 0.6683535 | 1 |
| <i>STK38</i> | -0.0238286 | 0.66818219 | 1 |
| <i>CYB561</i> | -0.0238318 | 0.66813915 | 1 |
| <i>PRDM5</i> | -0.0238913 | 0.66736126 | 1 |
| <i>FOXD4L1</i> | -0.0239135 | 0.66707037 | 1 |
| <i>KCNJ8</i> | -0.0239329 | 0.66681577 | 1 |
| <i>SYCN</i> | -0.0239475 | 0.66662522 | 1 |
| <i>KRTDAP</i> | -0.0239485 | 0.66661239 | 1 |
| <i>BTBD11</i> | -0.0239524 | 0.66656152 | 1 |
| <i>CPD</i> | -0.0239651 | 0.6663943 | 1 |
| <i>RDH8</i> | -0.0240068 | 0.66584956 | 1 |
| <i>CSTA</i> | -0.0241283 | 0.66426081 | 1 |
| <i>LOC642587</i> | -0.0241636 | 0.66379946 | 1 |
| <i>C8orf71</i> | -0.0242348 | 0.66286983 | 1 |
| <i>FUT5</i> | -0.0243099 | 0.66188968 | 1 |
| <i>OR7E5P</i> | -0.0243182 | 0.66178217 | 1 |
| <i>FEZF2</i> | -0.0243325 | 0.6615952 | 1 |
| <i>PDP2</i> | -0.0243578 | 0.66126547 | 1 |
| <i>H2AFB1</i> | -0.0244159 | 0.66050734 | 1 |
| <i>TSPAN19</i> | -0.0245738 | 0.6584506 | 1 |

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| <i>CGA</i> | -0.0245752 | 0.65843181 | 1 |
| <i>OR1L1</i> | -0.024634 | 0.65766672 | 1 |
| <i>C10orf68</i> | -0.0246559 | 0.65738094 | 1 |
| <i>CABP5</i> | -0.0246576 | 0.65735903 | 1 |
| <i>MYOD1</i> | -0.024658 | 0.65735388 | 1 |
| <i>C10orf120</i> | -0.0246879 | 0.65696553 | 1 |
| <i>ATP5H</i> | -0.0246942 | 0.65688268 | 1 |
| <i>TSPAN16</i> | -0.02487 | 0.65459817 | 1 |
| <i>LYG1</i> | -0.0249448 | 0.65362602 | 1 |
| <i>CD83</i> | -0.0249841 | 0.65311663 | 1 |
| <i>ZNF682</i> | -0.0249887 | 0.65305647 | 1 |
| <i>SULT1E1</i> | -0.0250833 | 0.65182935 | 1 |
| <i>SEMA5A</i> | -0.0251711 | 0.6506915 | 1 |
| <i>SNORA80</i> | -0.0251832 | 0.65053382 | 1 |
| <i>APOA4</i> | -0.0252391 | 0.64981009 | 1 |
| <i>FDXACB1</i> | -0.0252498 | 0.64967181 | 1 |
| <i>STYX</i> | -0.0252715 | 0.64939059 | 1 |
| <i>LCE3E</i> | -0.0252771 | 0.64931786 | 1 |
| <i>DRG2</i> | -0.0253628 | 0.64820847 | 1 |
| <i>TREM2</i> | -0.0253648 | 0.64818318 | 1 |
| <i>HSPB9</i> | -0.0253961 | 0.64777881 | 1 |
| <i>KCTD3</i> | -0.0254644 | 0.64689437 | 1 |
| <i>LIG4</i> | -0.0254875 | 0.64659666 | 1 |
| <i>ANO8</i> | -0.0255273 | 0.64608201 | 1 |
| <i>TUBGCP6</i> | -0.0255433 | 0.64587548 | 1 |
| <i>ACER1</i> | -0.0255778 | 0.64542908 | 1 |
| <i>LPIN1</i> | -0.0256167 | 0.64492752 | 1 |
| <i>TMEM95</i> | -0.0256672 | 0.64427525 | 1 |
| <i>XIAP</i> | -0.0256744 | 0.64418256 | 1 |
| <i>SNORA79</i> | -0.0256792 | 0.64412006 | 1 |
| <i>PSORS1C3</i> | -0.0257327 | 0.64343053 | 1 |
| <i>MIR155HG</i> | -0.0257421 | 0.6433088 | 1 |
| <i>SERPINB13</i> | -0.025771 | 0.64293631 | 1 |
| <i>S100A10</i> | -0.0257857 | 0.64274713 | 1 |
| <i>MMP9</i> | -0.0258007 | 0.64255363 | 1 |
| <i>JUP</i> | -0.0258507 | 0.64190955 | 1 |
| <i>KLHL32</i> | -0.025886 | 0.64145473 | 1 |
| <i>CST8</i> | -0.0259128 | 0.64110846 | 1 |
| <i>LIN28A</i> | -0.0259373 | 0.64079401 | 1 |
| <i>ETV5</i> | -0.0259456 | 0.64068649 | 1 |
| <i>C15orf32</i> | -0.0260482 | 0.63936605 | 1 |
| <i>TMEM93</i> | -0.026057 | 0.63925278 | 1 |
| <i>VTA1</i> | -0.0260596 | 0.63921942 | 1 |
| <i>ZCCHC11</i> | -0.0260667 | 0.63912816 | 1 |
| <i>DLD</i> | -0.0261012 | 0.63868389 | 1 |
| <i>CATSPER4</i> | -0.0261648 | 0.63786675 | 1 |
| <i>GUCY2F</i> | -0.0262989 | 0.63614344 | 1 |
| <i>DEFB125</i> | -0.0262999 | 0.63613184 | 1 |
| <i>OR9Q1</i> | -0.0263063 | 0.6360484 | 1 |
| <i>NME5</i> | -0.0264071 | 0.63475532 | 1 |
| <i>PRMT6</i> | -0.0264235 | 0.63454574 | 1 |

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| <i>OTOS</i> | -0.0264653 | 0.63400988 | 1 |
| <i>IL1B</i> | -0.0264694 | 0.63395623 | 1 |
| <i>PRLH</i> | -0.0264944 | 0.63363685 | 1 |
| <i>TRIP10</i> | -0.0266263 | 0.63194634 | 1 |
| <i>GCKR</i> | -0.0266547 | 0.63158337 | 1 |
| <i>LOC285375</i> | -0.0266983 | 0.6310247 | 1 |
| <i>FAM194A</i> | -0.0267118 | 0.6308528 | 1 |
| <i>DNAL1</i> | -0.0267388 | 0.63050686 | 1 |
| <i>MCART2</i> | -0.0267397 | 0.63049505 | 1 |
| <i>ITIH2</i> | -0.0269157 | 0.6282461 | 1 |
| <i>FKSG29</i> | -0.0269839 | 0.62737506 | 1 |
| <i>IGFN1</i> | -0.0270021 | 0.62714332 | 1 |
| <i>C4BPA</i> | -0.0270293 | 0.62679636 | 1 |
| <i>PSG10</i> | -0.027034 | 0.62673618 | 1 |
| <i>ZNF573</i> | -0.0270487 | 0.62654893 | 1 |
| <i>OR4C3</i> | -0.0270694 | 0.62628449 | 1 |
| <i>OPRD1</i> | -0.0271373 | 0.62541916 | 1 |
| <i>PCTP</i> | -0.0271674 | 0.62503606 | 1 |
| <i>LOC645752</i> | -0.0273551 | 0.62264578 | 1 |
| <i>FNTB</i> | -0.0274234 | 0.62177684 | 1 |
| <i>OR3A3</i> | -0.0274391 | 0.62157815 | 1 |
| <i>PDIK1L</i> | -0.0274509 | 0.62142796 | 1 |
| <i>ZDHHC23</i> | -0.0274531 | 0.62140012 | 1 |
| <i>PPL</i> | -0.0274971 | 0.62084018 | 1 |
| <i>ARV1</i> | -0.027521 | 0.62053742 | 1 |
| <i>RAB17</i> | -0.0276039 | 0.61948388 | 1 |
| <i>TMEM8C</i> | -0.0276143 | 0.61935202 | 1 |
| <i>GPX5</i> | -0.0276413 | 0.61900894 | 1 |
| <i>LOC731779</i> | -0.0276509 | 0.61888712 | 1 |
| <i>C22orf9</i> | -0.0276604 | 0.61876744 | 1 |
| <i>SNORA25</i> | -0.0276736 | 0.61859906 | 1 |
| <i>SLC33A1</i> | -0.0276738 | 0.61859774 | 1 |
| <i>PDYN</i> | -0.0276994 | 0.61827287 | 1 |
| <i>FAM90A7</i> | -0.0277155 | 0.61806854 | 1 |
| <i>FOXL2</i> | -0.0277404 | 0.61775235 | 1 |
| <i>C18orf62</i> | -0.0277973 | 0.61703154 | 1 |
| <i>MAGED1</i> | -0.0278198 | 0.61674568 | 1 |
| <i>PTCH1</i> | -0.0278951 | 0.61579269 | 1 |
| <i>MYCL1</i> | -0.0278954 | 0.61578898 | 1 |
| <i>MYL1</i> | -0.0280059 | 0.61439081 | 1 |
| <i>STX3</i> | -0.0280263 | 0.61413243 | 1 |
| <i>LOC643837</i> | -0.0280691 | 0.61359136 | 1 |
| <i>SPAG11A</i> | -0.0280919 | 0.61330317 | 1 |
| <i>OR1N1</i> | -0.0281061 | 0.61312421 | 1 |
| <i>PRODH2</i> | -0.0281353 | 0.61275498 | 1 |
| <i>GALNTL4</i> | -0.0281547 | 0.6125104 | 1 |
| <i>C1orf204</i> | -0.0282867 | 0.61084379 | 1 |
| <i>RNASE2</i> | -0.0283069 | 0.61058831 | 1 |
| <i>SNORA20</i> | -0.028347 | 0.61008354 | 1 |
| <i>SLC30A3</i> | -0.0284214 | 0.6091451 | 1 |
| <i>FAM196B</i> | -0.0284606 | 0.60865133 | 1 |

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| <i>TMX3</i> | -0.0284737 | 0.60848639 | 1 |
| <i>FABP7</i> | -0.0285564 | 0.60744586 | 1 |
| <i>IRF8</i> | -0.0285688 | 0.6072896 | 1 |
| <i>KLF14</i> | -0.0285848 | 0.60708781 | 1 |
| <i>FAM188A</i> | -0.0286113 | 0.60675405 | 1 |
| <i>LOC1001285</i> | -0.0286187 | 0.606662 | 1 |
| <i>C17orf82</i> | -0.0286612 | 0.6061265 | 1 |
| <i>TAF3</i> | -0.0286648 | 0.6060824 | 1 |
| <i>NKX2-8</i> | -0.0287882 | 0.60453126 | 1 |
| <i>SERPINA13</i> | -0.0288624 | 0.60359965 | 1 |
| <i>TPI1P2</i> | -0.0288694 | 0.60351152 | 1 |
| <i>FAM99B</i> | -0.028961 | 0.60236372 | 1 |
| <i>? 645851</i> | -0.0290497 | 0.60125166 | 1 |
| <i>ODF3</i> | -0.029152 | 0.59997024 | 1 |
| <i>MOS</i> | -0.029182 | 0.59959518 | 1 |
| <i>ZNF358</i> | -0.029272 | 0.59846934 | 1 |
| <i>CEACAM5</i> | -0.0292725 | 0.59846331 | 1 |
| <i>ISCA2</i> | -0.0292802 | 0.59836757 | 1 |
| <i>HINT3</i> | -0.0293084 | 0.59801516 | 1 |
| <i>GPR50</i> | -0.0293288 | 0.59775943 | 1 |
| <i>LCE3D</i> | -0.0293619 | 0.59734654 | 1 |
| <i>C12orf12</i> | -0.0294061 | 0.59679445 | 1 |
| <i>LIN37</i> | -0.0294521 | 0.59621995 | 1 |
| <i>CLPS</i> | -0.0294576 | 0.59615108 | 1 |
| <i>C5orf25</i> | -0.0294754 | 0.59592945 | 1 |
| <i>C20orf112</i> | -0.0294912 | 0.59573294 | 1 |
| <i>SAMD7</i> | -0.0295847 | 0.5945669 | 1 |
| <i>NLRP13</i> | -0.0295867 | 0.59454164 | 1 |
| <i>TRAF1</i> | -0.0296097 | 0.5942546 | 1 |
| <i>FSCN2</i> | -0.029698 | 0.59315455 | 1 |
| <i>RIPK4</i> | -0.029699 | 0.59314233 | 1 |
| <i>DEFB124</i> | -0.029706 | 0.59305515 | 1 |
| <i>ELOVL3</i> | -0.0297241 | 0.59282971 | 1 |
| <i>C1orf14</i> | -0.0297348 | 0.59269644 | 1 |
| <i>C6orf154</i> | -0.0297775 | 0.5921657 | 1 |
| <i>MED31</i> | -0.0297799 | 0.59213556 | 1 |
| <i>SHISA6</i> | -0.0297864 | 0.59205484 | 1 |
| <i>C9orf64</i> | -0.0297996 | 0.59189047 | 1 |
| <i>UGT2B28</i> | -0.0298759 | 0.59094222 | 1 |
| <i>HAS3</i> | -0.0299192 | 0.59040406 | 1 |
| <i>MSC</i> | -0.0299697 | 0.58977657 | 1 |
| <i>PHPT1</i> | -0.0299723 | 0.58974482 | 1 |
| <i>CCDC157</i> | -0.0300196 | 0.58915714 | 1 |
| <i>IL28B</i> | -0.0300771 | 0.5884442 | 1 |
| <i>RSAD1</i> | -0.0301419 | 0.58763963 | 1 |
| <i>APCS</i> | -0.0301491 | 0.58755042 | 1 |
| <i>ATP7A</i> | -0.0301656 | 0.58734638 | 1 |
| <i>AK3</i> | -0.0301678 | 0.58731887 | 1 |
| <i>? 441362</i> | -0.0302054 | 0.58685357 | 1 |
| <i>LOC151300</i> | -0.0302246 | 0.58661506 | 1 |
| <i>COQ7</i> | -0.0302671 | 0.58608844 | 1 |

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| <i>ANXA2P2</i> | -0.0302799 | 0.58593042 | 1 |
| <i>OPN1MW</i> | -0.0303215 | 0.58541608 | 1 |
| <i>ELFN2</i> | -0.0303373 | 0.58521967 | 1 |
| <i>C18orf22</i> | -0.0303615 | 0.58492102 | 1 |
| <i>PRDM9</i> | -0.0303706 | 0.58480828 | 1 |
| <i>SYT14</i> | -0.0304182 | 0.58421942 | 1 |
| <i>SNORA48</i> | -0.0304356 | 0.58400471 | 1 |
| <i>GADL1</i> | -0.0304456 | 0.58388065 | 1 |
| <i>TP53BP2</i> | -0.0304552 | 0.58376249 | 1 |
| <i>ARMC5</i> | -0.0304673 | 0.58361255 | 1 |
| <i>SV2C</i> | -0.0305814 | 0.58220339 | 1 |
| <i>CSH2</i> | -0.0306039 | 0.58192596 | 1 |
| <i>LOC729609</i> | -0.0306198 | 0.58172878 | 1 |
| <i>MMEL1</i> | -0.0306771 | 0.58102263 | 1 |
| <i>WASF1</i> | -0.0306892 | 0.58087311 | 1 |
| <i>SCGB1D4</i> | -0.030791 | 0.57961832 | 1 |
| <i>FAM26D</i> | -0.0308217 | 0.57924063 | 1 |
| <i>OR11A1</i> | -0.0308282 | 0.57916082 | 1 |
| <i>KLHL8</i> | -0.0308409 | 0.57900459 | 1 |
| <i>SYT1</i> | -0.0309556 | 0.57759266 | 1 |
| <i>GGN</i> | -0.0309796 | 0.57729739 | 1 |
| <i>SLC6A13</i> | -0.0309959 | 0.57709663 | 1 |
| <i>OR2H1</i> | -0.0310458 | 0.57648329 | 1 |
| <i>RBM16</i> | -0.0311527 | 0.5751171 | 1 |
| <i>GCNT7</i> | -0.0311802 | 0.5748341 | 1 |
| <i>GMDS</i> | -0.0311829 | 0.57480101 | 1 |
| <i>NUB1</i> | -0.0312823 | 0.57358143 | 1 |
| <i>IL19</i> | -0.0312831 | 0.5735721 | 1 |
| <i>DDAH1</i> | -0.0313284 | 0.57301609 | 1 |
| <i>CALML5</i> | -0.0313347 | 0.57293918 | 1 |
| <i>CALCR</i> | -0.0313374 | 0.57290581 | 1 |
| <i>ERLEC1</i> | -0.0313893 | 0.57227104 | 1 |
| <i>OR6B1</i> | -0.0314353 | 0.57170787 | 1 |
| <i>POM121L8P</i> | -0.0314541 | 0.57147702 | 1 |
| <i>ADAMTS3</i> | -0.0315826 | 0.56990569 | 1 |
| <i>ZNF268</i> | -0.0316118 | 0.56954936 | 1 |
| <i>SERPINB12</i> | -0.0316288 | 0.56934163 | 1 |
| <i>STK16</i> | -0.031664 | 0.56891198 | 1 |
| <i>CCDC30</i> | -0.0316678 | 0.56886455 | 1 |
| <i>IQCF3</i> | -0.0317041 | 0.56842199 | 1 |
| <i>GPR83</i> | -0.0317677 | 0.56764558 | 1 |
| <i>TTBK1</i> | -0.0317736 | 0.56757344 | 1 |
| <i>C3orf58</i> | -0.0317745 | 0.56756304 | 1 |
| <i>WSB1</i> | -0.0317747 | 0.56756119 | 1 |
| <i>LONP2</i> | -0.0318254 | 0.56694239 | 1 |
| <i>SRRM1</i> | -0.0318267 | 0.56692612 | 1 |
| <i>CSNK1A1P</i> | -0.0318375 | 0.56679488 | 1 |
| <i>OGFOD2</i> | -0.0318473 | 0.56667569 | 1 |
| <i>STARD4</i> | -0.0319416 | 0.56552662 | 1 |
| <i>ISCA1</i> | -0.0320338 | 0.5644047 | 1 |
| <i>KLK11</i> | -0.0320585 | 0.56410455 | 1 |

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| <i>CRNN</i> | -0.032108 | 0.56350224 | 1 |
| <i>ERP44</i> | -0.0321582 | 0.56289196 | 1 |
| <i>C3orf27</i> | -0.0322153 | 0.56219848 | 1 |
| <i>C15orf29</i> | -0.032291 | 0.56127992 | 1 |
| <i>C1orf157</i> | -0.0322941 | 0.56124258 | 1 |
| <i>LOC200726</i> | -0.0324224 | 0.55968647 | 1 |
| <i>C8A</i> | -0.032425 | 0.55965569 | 1 |
| <i>UNK</i> | -0.0324553 | 0.55928874 | 1 |
| <i>IFNG</i> | -0.0325962 | 0.55758387 | 1 |
| <i>GJA4</i> | -0.0326544 | 0.55687961 | 1 |
| <i>TRIM48</i> | -0.0326572 | 0.55684539 | 1 |
| <i>GIPC2</i> | -0.0326795 | 0.55657679 | 1 |
| <i>EFCAB4A</i> | -0.0327482 | 0.55574649 | 1 |
| <i>INSL6</i> | -0.0327645 | 0.55555003 | 1 |
| <i>FEM1A</i> | -0.0327654 | 0.55553842 | 1 |
| <i>FABP9</i> | -0.0327845 | 0.5553087 | 1 |
| <i>CBWD5</i> | -0.0327875 | 0.55527258 | 1 |
| <i>RGS8</i> | -0.0328398 | 0.55464125 | 1 |
| <i>CREM</i> | -0.0329682 | 0.55309393 | 1 |
| <i>ALDH1A3</i> | -0.0330085 | 0.55260797 | 1 |
| <i>KLHL9</i> | -0.0330106 | 0.55258271 | 1 |
| <i>C15orf43</i> | -0.033044 | 0.55218031 | 1 |
| <i>MYBPC1</i> | -0.0330484 | 0.5521283 | 1 |
| <i>PRLHR</i> | -0.0331291 | 0.55115722 | 1 |
| <i>TEKT1</i> | -0.0331667 | 0.55070424 | 1 |
| <i>SNORA38B</i> | -0.033169 | 0.55067755 | 1 |
| <i>CDR1</i> | -0.0331942 | 0.55037376 | 1 |
| <i>KCTD17</i> | -0.0331944 | 0.55037167 | 1 |
| <i>CNOT7</i> | -0.0332657 | 0.54951481 | 1 |
| <i>C2orf14</i> | -0.0333023 | 0.54907656 | 1 |
| <i>CEP170</i> | -0.0333248 | 0.54880597 | 1 |
| <i>DAZL</i> | -0.0333364 | 0.54833519 | 1 |
| <i>GAGE13</i> | -0.0334303 | 0.54754063 | 1 |
| <i>C19orf23</i> | -0.0334609 | 0.54717417 | 1 |
| <i>LOC151658</i> | -0.0334835 | 0.54690363 | 1 |
| <i>COL24A1</i> | -0.0334853 | 0.54688175 | 1 |
| <i>CD55</i> | -0.033491 | 0.5468138 | 1 |
| <i>KRT79</i> | -0.0335446 | 0.54617101 | 1 |
| <i>C12orf4</i> | -0.0335505 | 0.54610145 | 1 |
| <i>FBXL12</i> | -0.0335609 | 0.54597659 | 1 |
| <i>FSHR</i> | -0.0335702 | 0.54586535 | 1 |
| <i>HYOU1</i> | -0.0335812 | 0.54573302 | 1 |
| <i>MARK4</i> | -0.0336035 | 0.54546685 | 1 |
| <i>FOXJ1</i> | -0.0336068 | 0.54542675 | 1 |
| <i>RFPL3</i> | -0.0336387 | 0.54504585 | 1 |
| <i>FSTL5</i> | -0.0336599 | 0.54479197 | 1 |
| <i>CARD18</i> | -0.0337737 | 0.54343262 | 1 |
| <i>NTSR2</i> | -0.0337744 | 0.54342407 | 1 |
| <i>NCRNA0015</i> | -0.0337859 | 0.54328597 | 1 |
| <i>INTS5</i> | -0.0338166 | 0.54291956 | 1 |
| <i>ERMP1</i> | -0.0338502 | 0.54251868 | 1 |

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| <i>ABHD14B</i> | -0.0338631 | 0.5423645 | 1 |
| <i>TBKBP1</i> | -0.033893 | 0.542009 | 1 |
| <i>FAM47C</i> | -0.0340415 | 0.54023873 | 1 |
| <i>KIAA1107</i> | -0.0340711 | 0.53988582 | 1 |
| <i>C19orf66</i> | -0.0340796 | 0.53978579 | 1 |
| <i>TYW1B</i> | -0.0342627 | 0.537608 | 1 |
| <i>NEUROD4</i> | -0.0342688 | 0.53753522 | 1 |
| <i>TSPAN13</i> | -0.0343011 | 0.5371516 | 1 |
| <i>C2orf42</i> | -0.0343679 | 0.53635909 | 1 |
| <i>MRPL54</i> | -0.034376 | 0.53626321 | 1 |
| <i>KCNH7</i> | -0.0343775 | 0.53624526 | 1 |
| <i>TECRL</i> | -0.0343907 | 0.53608938 | 1 |
| <i>ESX1</i> | -0.034454 | 0.53533804 | 1 |
| <i>SLC2A3</i> | -0.0344785 | 0.53504744 | 1 |
| <i>LOC391322</i> | -0.0345286 | 0.5344547 | 1 |
| <i>NHLH1</i> | -0.0346409 | 0.53312509 | 1 |
| <i>OR5B2</i> | -0.0346435 | 0.53309477 | 1 |
| <i>AP2B1</i> | -0.03466 | 0.53289972 | 1 |
| <i>CA5B</i> | -0.034723 | 0.53215494 | 1 |
| <i>KAZ</i> | -0.0349449 | 0.52953584 | 1 |
| <i>FBXO38</i> | -0.0350236 | 0.52860778 | 1 |
| <i>PLA2G2F</i> | -0.035049 | 0.52830968 | 1 |
| <i>LOC1001019</i> | -0.0351545 | 0.52706743 | 1 |
| <i>PLK1S1</i> | -0.0351764 | 0.52681001 | 1 |
| <i>TRIM5</i> | -0.0352182 | 0.52631883 | 1 |
| <i>FANK1</i> | -0.0352335 | 0.52613871 | 1 |
| <i>MYOG</i> | -0.0352781 | 0.52561553 | 1 |
| <i>C3orf64</i> | -0.0353226 | 0.52509292 | 1 |
| <i>TMED8</i> | -0.0353634 | 0.52461398 | 1 |
| <i>RPL3L</i> | -0.0353681 | 0.52455843 | 1 |
| <i>PSG3</i> | -0.0354036 | 0.52414202 | 1 |
| <i>SNAR-C3</i> | -0.0354177 | 0.52397679 | 1 |
| <i>IRX2</i> | -0.0354249 | 0.52389262 | 1 |
| <i>LASS3</i> | -0.0354278 | 0.52385893 | 1 |
| <i>CCDC142</i> | -0.0354448 | 0.52365995 | 1 |
| <i>OR5B12</i> | -0.0354863 | 0.52317271 | 1 |
| <i>AKTIP</i> | -0.0355542 | 0.52237765 | 1 |
| <i>LOC126536</i> | -0.0355618 | 0.52228905 | 1 |
| <i>PLSCR1</i> | -0.0355941 | 0.52191108 | 1 |
| <i>NAV2</i> | -0.0356314 | 0.5214747 | 1 |
| <i>AMY2A</i> | -0.0356827 | 0.52087481 | 1 |
| <i>BATF3</i> | -0.0356929 | 0.5207549 | 1 |
| <i>ZNF814</i> | -0.0357488 | 0.52010208 | 1 |
| <i>C3orf71</i> | -0.0357919 | 0.51959914 | 1 |
| <i>FNDC3B</i> | -0.03586 | 0.51880414 | 1 |
| <i>OPN1SW</i> | -0.0360532 | 0.51655339 | 1 |
| <i>LCE3C</i> | -0.0360863 | 0.51616839 | 1 |
| <i>NKX6-2</i> | -0.036112 | 0.51586916 | 1 |
| <i>POU3F2</i> | -0.0362061 | 0.51477454 | 1 |
| <i>FAM41AY1</i> | -0.0363211 | 0.51344006 | 1 |
| <i>RASL11A</i> | -0.0363374 | 0.51325076 | 1 |

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| <i>IL31</i> | -0.0363672 | 0.51290489 | 1 |
| <i>IGFBP2</i> | -0.0364016 | 0.51250661 | 1 |
| <i>PFKFB1</i> | -0.0364342 | 0.51212878 | 1 |
| <i>MRGPRX4</i> | -0.0364661 | 0.51175919 | 1 |
| <i>MAGEB3</i> | -0.036479 | 0.5116089 | 1 |
| <i>POLR3B</i> | -0.0364828 | 0.51156479 | 1 |
| <i>NPAT</i> | -0.036497 | 0.51140074 | 1 |
| <i>PLCH1</i> | -0.0365218 | 0.51111406 | 1 |
| <i>CHPF2</i> | -0.0365339 | 0.51097344 | 1 |
| <i>NDUFA9</i> | -0.0365582 | 0.5106922 | 1 |
| <i>KC6</i> | -0.0365866 | 0.51036355 | 1 |
| <i>TSPYL3</i> | -0.0366469 | 0.50966679 | 1 |
| <i>PSD2</i> | -0.0366655 | 0.50945123 | 1 |
| <i>LIPF</i> | -0.0366956 | 0.50910439 | 1 |
| <i>OR2G2</i> | -0.036754 | 0.50842887 | 1 |
| <i>CTSK</i> | -0.0367825 | 0.50810101 | 1 |
| <i>SPDYE7P</i> | -0.0367913 | 0.507999 | 1 |
| <i>HCG2P7</i> | -0.0368056 | 0.50783356 | 1 |
| <i>TOR1A</i> | -0.0368301 | 0.50755075 | 1 |
| <i>FGF5</i> | -0.0368706 | 0.50708381 | 1 |
| <i>LCMT1</i> | -0.0368773 | 0.50700762 | 1 |
| <i>SRGAP2</i> | -0.0368781 | 0.50699736 | 1 |
| <i>OR13C5</i> | -0.0368922 | 0.50683528 | 1 |
| <i>TMC3</i> | -0.0369123 | 0.50660409 | 1 |
| <i>SLC7A13</i> | -0.0369411 | 0.50627231 | 1 |
| <i>OCM</i> | -0.0370384 | 0.5051516 | 1 |
| <i>FYTTD1</i> | -0.0370391 | 0.50514372 | 1 |
| <i>IFNA10</i> | -0.0370976 | 0.50447048 | 1 |
| <i>C1orf151</i> | -0.0371165 | 0.50425363 | 1 |
| <i>EDC3</i> | -0.0371774 | 0.50355452 | 1 |
| <i>TAP1</i> | -0.0372618 | 0.50258493 | 1 |
| <i>AOX2P</i> | -0.0372729 | 0.50245797 | 1 |
| <i>UBQLN3</i> | -0.0372914 | 0.5022449 | 1 |
| <i>CTDSPL2</i> | -0.0373985 | 0.50101747 | 1 |
| <i>ANKRD34B</i> | -0.0374188 | 0.50078482 | 1 |
| <i>PRKCQ</i> | -0.0374747 | 0.50014577 | 1 |
| <i>AP3D1</i> | -0.0374805 | 0.50007939 | 1 |
| <i>IL4</i> | -0.0376045 | 0.49866101 | 1 |
| <i>LOC150527</i> | -0.0376237 | 0.49844133 | 1 |
| <i>LOC400752</i> | -0.0376743 | 0.49786339 | 1 |
| <i>ZNF461</i> | -0.0376974 | 0.49760048 | 1 |
| <i>HRNR</i> | -0.0377051 | 0.49751219 | 1 |
| <i>SNORA2A</i> | -0.0377806 | 0.49665096 | 1 |
| <i>TNFSF12-TM</i> | -0.037782 | 0.49663495 | 1 |
| <i>C9orf93</i> | -0.0378088 | 0.49632966 | 1 |
| <i>HIST1H2AE</i> | -0.0378114 | 0.49629919 | 1 |
| <i>MTMR12</i> | -0.0378154 | 0.49625453 | 1 |
| <i>FKBP1AP1</i> | -0.0378371 | 0.49600628 | 1 |
| <i>CXorf41</i> | -0.0378674 | 0.49566184 | 1 |
| <i>HDGFRP3</i> | -0.0378805 | 0.4955121 | 1 |
| <i>EHBP1</i> | -0.0379099 | 0.49517759 | 1 |

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| <i>CCDC61</i> | -0.0379197 | 0.49506582 | 1 |
| <i>LOC113230</i> | -0.0379519 | 0.49469972 | 1 |
| <i>ZNF192</i> | -0.0379801 | 0.49437897 | 1 |
| <i>TOPORS</i> | -0.0381304 | 0.4926709 | 1 |
| <i>ADAMTS7</i> | -0.0381535 | 0.49240896 | 1 |
| <i>ARHGEF35</i> | -0.0381812 | 0.49209407 | 1 |
| <i>CHRNA2</i> | -0.0381914 | 0.49197841 | 1 |
| <i>UGT3A1</i> | -0.0381968 | 0.49191711 | 1 |
| <i>CDC42EP1</i> | -0.0382094 | 0.49177367 | 1 |
| <i>OR4D5</i> | -0.038229 | 0.49155173 | 1 |
| <i>PRR23A</i> | -0.0382311 | 0.49152838 | 1 |
| <i>PFN2</i> | -0.0382724 | 0.49105995 | 1 |
| <i>NANOG</i> | -0.038278 | 0.49099639 | 1 |
| <i>LOC220729</i> | -0.038321 | 0.49050955 | 1 |
| <i>DPCR1</i> | -0.0383744 | 0.48990435 | 1 |
| <i>?/653553</i> | -0.038418 | 0.48941059 | 1 |
| <i>CGGBP1</i> | -0.0384625 | 0.48890811 | 1 |
| <i>SLC7A9</i> | -0.0385067 | 0.48840865 | 1 |
| <i>DBC1</i> | -0.0385629 | 0.48777311 | 1 |
| <i>DKFZp434J02</i> | -0.0385681 | 0.48771483 | 1 |
| <i>SPINK13</i> | -0.0385681 | 0.4877145 | 1 |
| <i>NPFF</i> | -0.0385831 | 0.48754461 | 1 |
| <i>ZNF148</i> | -0.0386324 | 0.48698902 | 1 |
| <i>FAM182A</i> | -0.038644 | 0.48685801 | 1 |
| <i>SNORA2B</i> | -0.0386559 | 0.486723 | 1 |
| <i>ZNF594</i> | -0.0386985 | 0.48624346 | 1 |
| <i>FOXB1</i> | -0.038745 | 0.48571883 | 1 |
| <i>LOC1001299</i> | -0.0387733 | 0.48540067 | 1 |
| <i>NCRNA0011</i> | -0.0387975 | 0.48512789 | 1 |
| <i>ANKRD2</i> | -0.0388252 | 0.48481542 | 1 |
| <i>PPP4R4</i> | -0.038836 | 0.48469414 | 1 |
| <i>OR2F1</i> | -0.0388501 | 0.48453594 | 1 |
| <i>SEC11A</i> | -0.0388747 | 0.48425879 | 1 |
| <i>SLC22A8</i> | -0.0389145 | 0.48381093 | 1 |
| <i>BTBD12</i> | -0.0389536 | 0.48337217 | 1 |
| <i>SIL1</i> | -0.0389736 | 0.48314692 | 1 |
| <i>HS3ST1</i> | -0.0389813 | 0.48305998 | 1 |
| <i>C10orf71</i> | -0.0389983 | 0.48286991 | 1 |
| <i>KIAA0649</i> | -0.0390237 | 0.48258391 | 1 |
| <i>ELN</i> | -0.0390485 | 0.4823057 | 1 |
| <i>OR13C8</i> | -0.0390987 | 0.48174198 | 1 |
| <i>LINGO3</i> | -0.0391371 | 0.48131214 | 1 |
| <i>C9orf156</i> | -0.0392148 | 0.48044061 | 1 |
| <i>PSG8</i> | -0.0392303 | 0.48026769 | 1 |
| <i>KLK2</i> | -0.0393119 | 0.47935349 | 1 |
| <i>COX8C</i> | -0.0393191 | 0.47927308 | 1 |
| <i>NOXO1</i> | -0.0393502 | 0.47892612 | 1 |
| <i>PAX6</i> | -0.039365 | 0.47875982 | 1 |
| <i>CDH13</i> | -0.0393806 | 0.47858588 | 1 |
| <i>HTR1A</i> | -0.03944 | 0.4779218 | 1 |
| <i>LOC284379</i> | -0.0395106 | 0.47713386 | 1 |

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| <i>ARHGAP23</i> | -0.039515 | 0.47708425 | 1 |
| <i>ANKRD30B</i> | -0.0395325 | 0.47688984 | 1 |
| <i>GPR148</i> | -0.0396221 | 0.47589097 | 1 |
| <i>KCNQ1DN</i> | -0.0396552 | 0.47552119 | 1 |
| <i>NUBP1</i> | -0.0396642 | 0.47542173 | 1 |
| <i>PTER</i> | -0.0397486 | 0.4744819 | 1 |
| <i>C3orf16</i> | -0.0397658 | 0.47429071 | 1 |
| <i>RAB11FIP4</i> | -0.0397674 | 0.47427326 | 1 |
| <i>CXCL9</i> | -0.0398649 | 0.47318932 | 1 |
| <i>CABP4</i> | -0.0399391 | 0.472365 | 1 |
| <i>CYTH3</i> | -0.0399718 | 0.47200241 | 1 |
| <i>FAM138F</i> | -0.0400204 | 0.47146387 | 1 |
| <i>POTEF</i> | -0.0400527 | 0.47110521 | 1 |
| <i>MYF6</i> | -0.0401593 | 0.46992437 | 1 |
| <i>TBCK</i> | -0.0402124 | 0.46933789 | 1 |
| <i>TMEM178</i> | -0.0402152 | 0.46930629 | 1 |
| <i>AQP7P1</i> | -0.0402173 | 0.46928263 | 1 |
| <i>EGFLAM</i> | -0.0402193 | 0.46926118 | 1 |
| <i>FAM109A</i> | -0.040349 | 0.46782829 | 1 |
| <i>SNORA5B</i> | -0.0403875 | 0.46740326 | 1 |
| <i>LOC1001287</i> | -0.0404017 | 0.46724599 | 1 |
| <i>USP9X</i> | -0.0404461 | 0.46675704 | 1 |
| <i>RPS4Y2</i> | -0.040456 | 0.46664724 | 1 |
| <i>HIST1H3A</i> | -0.0405526 | 0.46558288 | 1 |
| <i>NUDT8</i> | -0.0405676 | 0.46541862 | 1 |
| <i>USP24</i> | -0.040597 | 0.46509416 | 1 |
| <i>LOC392196</i> | -0.0406314 | 0.46471587 | 1 |
| <i>GBX1</i> | -0.0406358 | 0.46466728 | 1 |
| <i>SP4</i> | -0.0406706 | 0.46428462 | 1 |
| <i>LOC121838</i> | -0.040804 | 0.46282015 | 1 |
| <i>C2orf16</i> | -0.0408046 | 0.46281311 | 1 |
| <i>CSTF2T</i> | -0.0410101 | 0.46056163 | 1 |
| <i>RAX2</i> | -0.041034 | 0.46029941 | 1 |
| <i>EIF4G1</i> | -0.0410845 | 0.45974738 | 1 |
| <i>GYPA</i> | -0.0410908 | 0.45967878 | 1 |
| <i>LOC619207</i> | -0.0412769 | 0.45764655 | 1 |
| <i>MYT1</i> | -0.0412792 | 0.45762141 | 1 |
| <i>LOC1001328</i> | -0.0413345 | 0.45701902 | 1 |
| <i>SUMO3</i> | -0.0413414 | 0.45694325 | 1 |
| <i>SNORA42</i> | -0.0413454 | 0.45689939 | 1 |
| <i>CRISP2</i> | -0.0413696 | 0.45663573 | 1 |
| <i>USP12</i> | -0.0414188 | 0.45610033 | 1 |
| <i>AP4B1</i> | -0.0414583 | 0.45567016 | 1 |
| <i>CNGB3</i> | -0.0414955 | 0.45526577 | 1 |
| <i>TMEM159</i> | -0.0415416 | 0.45476479 | 1 |
| <i>TRPT1</i> | -0.0415478 | 0.45469711 | 1 |
| <i>TMPRSS11D</i> | -0.0415557 | 0.45461191 | 1 |
| <i>C11orf66</i> | -0.0415857 | 0.45428617 | 1 |
| <i>MTMR2</i> | -0.0416281 | 0.45382537 | 1 |
| <i>SATB2</i> | -0.0417035 | 0.45300762 | 1 |
| <i>C7orf34</i> | -0.0417138 | 0.4528961 | 1 |

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| <i>TNFRSF9</i> | -0.0417785 | 0.45219411 | 1 |
| <i>ARHGEF5</i> | -0.0417854 | 0.45212017 | 1 |
| <i>C21orf125</i> | -0.0418148 | 0.45180204 | 1 |
| <i>USP54</i> | -0.0418321 | 0.45161372 | 1 |
| <i>DNM1</i> | -0.0418721 | 0.45118174 | 1 |
| <i>LOC1002877</i> | -0.0418986 | 0.45089419 | 1 |
| <i>LRRIQ1</i> | -0.0418994 | 0.45088601 | 1 |
| <i>OR9Q2</i> | -0.0419988 | 0.44981148 | 1 |
| <i>ATM</i> | -0.0420059 | 0.44973466 | 1 |
| <i>ESRRG</i> | -0.0420118 | 0.44967138 | 1 |
| <i>PSMB6</i> | -0.042025 | 0.44952893 | 1 |
| <i>SNRNP35</i> | -0.0420711 | 0.44903141 | 1 |
| <i>C9orf171</i> | -0.0421156 | 0.44855138 | 1 |
| <i>NLGN4Y</i> | -0.0421726 | 0.44793732 | 1 |
| <i>OR10A3</i> | -0.0421844 | 0.44780936 | 1 |
| <i>LOC347376</i> | -0.0421904 | 0.44774505 | 1 |
| <i>LOC1001333</i> | -0.0423308 | 0.44623406 | 1 |
| <i>ZNF610</i> | -0.0423777 | 0.44573026 | 1 |
| <i>C1orf50</i> | -0.0423834 | 0.44566917 | 1 |
| <i>FAM167B</i> | -0.0423925 | 0.44557117 | 1 |
| <i>GALNT2</i> | -0.0424279 | 0.44519068 | 1 |
| <i>KRTAP7-1</i> | -0.0424418 | 0.4450421 | 1 |
| <i>C6orf217</i> | -0.0424487 | 0.44496794 | 1 |
| <i>USP16</i> | -0.0424595 | 0.44485211 | 1 |
| <i>OTUD4</i> | -0.0425358 | 0.44403357 | 1 |
| <i>FCGR1B</i> | -0.0425562 | 0.44381442 | 1 |
| <i>PADI6</i> | -0.0425776 | 0.44358515 | 1 |
| <i>CFHR5</i> | -0.0425938 | 0.44341113 | 1 |
| <i>LOC349196</i> | -0.0426647 | 0.44265291 | 1 |
| <i>C1orf122</i> | -0.0426652 | 0.44264676 | 1 |
| <i>FAHD1</i> | -0.0427244 | 0.44201334 | 1 |
| <i>TINAG</i> | -0.0427492 | 0.4417482 | 1 |
| <i>OR8D2</i> | -0.0427569 | 0.44166641 | 1 |
| <i>DDT</i> | -0.0427661 | 0.44156808 | 1 |
| <i>ARMC3</i> | -0.0428165 | 0.44102917 | 1 |
| <i>BTBD19</i> | -0.0428362 | 0.44081878 | 1 |
| <i>C1orf113</i> | -0.0428425 | 0.44075182 | 1 |
| <i>MYCBP2</i> | -0.0429429 | 0.43968065 | 1 |
| <i>LOC1001316</i> | -0.0429522 | 0.4395813 | 1 |
| <i>C11orf71</i> | -0.0429612 | 0.43948557 | 1 |
| <i>OR11H1</i> | -0.0429693 | 0.43939965 | 1 |
| <i>LOC285593</i> | -0.043085 | 0.43816716 | 1 |
| <i>C14orf148</i> | -0.0431178 | 0.4378182 | 1 |
| <i>HIST1H2BG</i> | -0.0431801 | 0.4371558 | 1 |
| <i>LPHN1</i> | -0.0432175 | 0.4367587 | 1 |
| <i>TRIM46</i> | -0.0432942 | 0.43594459 | 1 |
| <i>PATE3</i> | -0.0433127 | 0.43574831 | 1 |
| <i>LOC90784</i> | -0.0433229 | 0.43564029 | 1 |
| <i>CEP97</i> | -0.0433567 | 0.43528166 | 1 |
| <i>ARRDC3</i> | -0.0434279 | 0.434527 | 1 |
| <i>CDH1</i> | -0.0434689 | 0.43409319 | 1 |

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| <i>NCS1</i> | -0.04351 | 0.43365869 | 1 |
| <i>WDR13</i> | -0.0435285 | 0.43346302 | 1 |
| <i>OR13H1</i> | -0.0436184 | 0.43251307 | 1 |
| <i>PTPRK</i> | -0.0436255 | 0.43243777 | 1 |
| <i>REEP5</i> | -0.0436457 | 0.43222478 | 1 |
| <i>ARF4</i> | -0.0437229 | 0.43140963 | 1 |
| <i>ZCWPW1</i> | -0.0438335 | 0.43024435 | 1 |
| <i>LSS</i> | -0.0438991 | 0.42955378 | 1 |
| <i>STK11</i> | -0.0439325 | 0.42920278 | 1 |
| <i>NDUFB7</i> | -0.0439812 | 0.42869073 | 1 |
| <i>FGF6</i> | -0.0440106 | 0.42838152 | 1 |
| <i>B3GNT3</i> | -0.0440367 | 0.42810831 | 1 |
| <i>MDK</i> | -0.0440807 | 0.42764594 | 1 |
| <i>ZNF169</i> | -0.0440914 | 0.427534 | 1 |
| <i>NLRP10</i> | -0.0441179 | 0.42725574 | 1 |
| <i>PKNOX1</i> | -0.0441428 | 0.42699511 | 1 |
| <i>GAD2</i> | -0.0441443 | 0.42697875 | 1 |
| <i>FABP3</i> | -0.0441984 | 0.42641175 | 1 |
| <i>CASP14</i> | -0.0442062 | 0.42633003 | 1 |
| <i>PRSS35</i> | -0.0442331 | 0.42604911 | 1 |
| <i>ERC2</i> | -0.0442353 | 0.4260254 | 1 |
| <i>NKAIN2</i> | -0.0442467 | 0.42590607 | 1 |
| <i>ZNF300</i> | -0.044272 | 0.425642 | 1 |
| <i>NR2F1</i> | -0.0442922 | 0.42543036 | 1 |
| <i>SULT6B1</i> | -0.0443238 | 0.42510009 | 1 |
| <i>AGRP</i> | -0.0444063 | 0.42423772 | 1 |
| <i>ATF7IP</i> | -0.044407 | 0.42423076 | 1 |
| <i>APOC3</i> | -0.0444351 | 0.42393707 | 1 |
| <i>HOPX</i> | -0.0445448 | 0.42279281 | 1 |
| <i>TBC1D10B</i> | -0.0445498 | 0.42274072 | 1 |
| <i>LOC92249</i> | -0.0446061 | 0.42215437 | 1 |
| <i>HPX</i> | -0.0446181 | 0.42202851 | 1 |
| <i>LOC284440</i> | -0.0446305 | 0.42189982 | 1 |
| <i>CXorf23</i> | -0.0446391 | 0.42181062 | 1 |
| <i>SMOC1</i> | -0.0446479 | 0.42171852 | 1 |
| <i>VPS37C</i> | -0.0446535 | 0.42166082 | 1 |
| <i>C22orf45</i> | -0.0446815 | 0.42136943 | 1 |
| <i>SIRT3</i> | -0.0447466 | 0.42069175 | 1 |
| <i>SCGB3A2</i> | -0.0447898 | 0.42024321 | 1 |
| <i>CRLF3</i> | -0.0448176 | 0.41995491 | 1 |
| <i>SERAC1</i> | -0.0448181 | 0.4199492 | 1 |
| <i>LOC339535</i> | -0.0448464 | 0.41965542 | 1 |
| <i>ADH4</i> | -0.0448922 | 0.41918025 | 1 |
| <i>OPN1LW</i> | -0.0449528 | 0.41855261 | 1 |
| <i>LOC150786</i> | -0.044955 | 0.41852921 | 1 |
| <i>ASPN</i> | -0.0450215 | 0.41784049 | 1 |
| <i>IFNA17</i> | -0.0452091 | 0.41590202 | 1 |
| <i>HOXA13</i> | -0.0452621 | 0.41535441 | 1 |
| <i>OR11H12</i> | -0.0453194 | 0.41476361 | 1 |
| <i>SMCR5</i> | -0.0453295 | 0.41465929 | 1 |
| <i>TMEM184B</i> | -0.0453399 | 0.4145521 | 1 |

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| <i>KLF5</i> | -0.0453527 | 0.41442069 | 1 |
| <i>PRAMEF16</i> | -0.0453635 | 0.41430952 | 1 |
| <i>ZNF280D</i> | -0.0453819 | 0.41412036 | 1 |
| <i>POM121L4P</i> | -0.0454128 | 0.41380216 | 1 |
| <i>PFKFB3</i> | -0.0454769 | 0.41314236 | 1 |
| <i>RLF</i> | -0.0454891 | 0.41301729 | 1 |
| <i>ERICH1</i> | -0.0454968 | 0.41293788 | 1 |
| <i>KRTAP5-9</i> | -0.0455027 | 0.41287671 | 1 |
| <i>HOXB5</i> | -0.0455136 | 0.41276481 | 1 |
| <i>TRPV5</i> | -0.0455313 | 0.4125834 | 1 |
| <i>WRN</i> | -0.0455512 | 0.412379 | 1 |
| <i>AWAT2</i> | -0.0455692 | 0.41219415 | 1 |
| <i>RUFY2</i> | -0.0456068 | 0.41180755 | 1 |
| <i>GRK6</i> | -0.0456528 | 0.41133626 | 1 |
| <i>NTN3</i> | -0.0456682 | 0.41117837 | 1 |
| <i>FKBP11</i> | -0.0457672 | 0.41016304 | 1 |
| <i>MAN1B1</i> | -0.0458508 | 0.40930775 | 1 |
| <i>LOC286367</i> | -0.0458745 | 0.40906549 | 1 |
| <i>ART3</i> | -0.0459222 | 0.40857843 | 1 |
| <i>GFPT1</i> | -0.0460242 | 0.40753691 | 1 |
| <i>MED12</i> | -0.0460448 | 0.40732668 | 1 |
| <i>ARF1</i> | -0.046054 | 0.40723364 | 1 |
| <i>B4GALT5</i> | -0.0460739 | 0.40703079 | 1 |
| <i>FBXO6</i> | -0.0460957 | 0.40680817 | 1 |
| <i>UNC93B1</i> | -0.0461347 | 0.40641092 | 1 |
| <i>BATF2</i> | -0.0461838 | 0.40591104 | 1 |
| <i>FBXL8</i> | -0.0462159 | 0.40558456 | 1 |
| <i>WBP1</i> | -0.0462681 | 0.40505328 | 1 |
| <i>CDK5RAP2</i> | -0.0463995 | 0.40371925 | 1 |
| <i>BTN2A2</i> | -0.046419 | 0.40352225 | 1 |
| <i>DNAH1</i> | -0.0464688 | 0.40301705 | 1 |
| <i>RTTN</i> | -0.0465272 | 0.40242566 | 1 |
| <i>RAC3</i> | -0.0465633 | 0.40206021 | 1 |
| <i>PTPN20A</i> | -0.0465853 | 0.40183787 | 1 |
| <i>EFHB</i> | -0.0466008 | 0.40168058 | 1 |
| <i>FHL2</i> | -0.0467369 | 0.40030625 | 1 |
| <i>STARD3</i> | -0.0467513 | 0.40016021 | 1 |
| <i>PRSS3</i> | -0.0467763 | 0.39990874 | 1 |
| <i>SLC16A11</i> | -0.0467987 | 0.39968272 | 1 |
| <i>C20orf94</i> | -0.0468626 | 0.39903829 | 1 |
| <i>LOC644172</i> | -0.0468932 | 0.39873032 | 1 |
| <i>ZNF616</i> | -0.0469156 | 0.39850521 | 1 |
| <i>TMPRSS15</i> | -0.04695 | 0.39815851 | 1 |
| <i>C6orf132</i> | -0.0470327 | 0.39732752 | 1 |
| <i>ANKRD30A</i> | -0.0470542 | 0.39711112 | 1 |
| <i>CCDC135</i> | -0.0470632 | 0.39702124 | 1 |
| <i>ALDOB</i> | -0.0470701 | 0.39695189 | 1 |
| <i>IQCJ</i> | -0.0471177 | 0.39647409 | 1 |
| <i>FOXO3</i> | -0.0472459 | 0.39518848 | 1 |
| <i>GPR150</i> | -0.0472672 | 0.39497537 | 1 |
| <i>SIM1</i> | -0.0473039 | 0.39460784 | 1 |

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| <i>HARS2</i> | -0.0473108 | 0.39453884 | 1 |
| <i>IFT172</i> | -0.0473138 | 0.39450922 | 1 |
| <i>ARSD</i> | -0.0473858 | 0.39378947 | 1 |
| <i>OR10J1</i> | -0.04744 | 0.39324798 | 1 |
| <i>OR52E6</i> | -0.0474685 | 0.39296354 | 1 |
| <i>MGST1</i> | -0.0474785 | 0.39286318 | 1 |
| <i>ZCCHC16</i> | -0.0475228 | 0.39242191 | 1 |
| <i>DGCR10</i> | -0.0475913 | 0.39173858 | 1 |
| <i>UGT2A1</i> | -0.0476045 | 0.39160768 | 1 |
| <i>UPK3B</i> | -0.0476365 | 0.39128848 | 1 |
| <i>PRDM11</i> | -0.0476443 | 0.39121154 | 1 |
| <i>ZNF665</i> | -0.0476939 | 0.39071733 | 1 |
| <i>PPP2R5D</i> | -0.0477391 | 0.39026792 | 1 |
| <i>OR1D2</i> | -0.0477834 | 0.38982807 | 1 |
| <i>DCAF8L1</i> | -0.0478206 | 0.38945865 | 1 |
| <i>SESN3</i> | -0.0478848 | 0.38882199 | 1 |
| <i>RSC1A1</i> | -0.0479803 | 0.38787536 | 1 |
| <i>PPP2R1A</i> | -0.0479974 | 0.38770589 | 1 |
| <i>C19orf6</i> | -0.0480763 | 0.38692528 | 1 |
| <i>LOC202181</i> | -0.048079 | 0.38689932 | 1 |
| <i>PCBP1</i> | -0.0481322 | 0.3863728 | 1 |
| <i>NRL</i> | -0.048157 | 0.38612802 | 1 |
| <i>C9orf11</i> | -0.0481586 | 0.38611274 | 1 |
| <i>LOC283761</i> | -0.048219 | 0.38551574 | 1 |
| <i>ZFATAS</i> | -0.0483449 | 0.38427563 | 1 |
| <i>PNLIPRP2</i> | -0.0483817 | 0.3839129 | 1 |
| <i>NFX1</i> | -0.0483847 | 0.38388388 | 1 |
| <i>CYP2J2</i> | -0.0484119 | 0.38361641 | 1 |
| <i>USH1C</i> | -0.0484195 | 0.3835409 | 1 |
| <i>NDUFA2</i> | -0.0484356 | 0.38338261 | 1 |
| <i>UBE2DNL</i> | -0.0484773 | 0.38297298 | 1 |
| <i>ABI1</i> | -0.0485885 | 0.38188118 | 1 |
| <i>ZMYM6</i> | -0.0486287 | 0.38148757 | 1 |
| <i>NAA35</i> | -0.0486465 | 0.38131246 | 1 |
| <i>CXCR3</i> | -0.0487314 | 0.38048103 | 1 |
| <i>SAV1</i> | -0.048776 | 0.3800445 | 1 |
| <i>LOC1001330</i> | -0.0488044 | 0.37976699 | 1 |
| <i>HCG9</i> | -0.0488305 | 0.37951268 | 1 |
| <i>KIAA0754</i> | -0.0489311 | 0.37853037 | 1 |
| <i>MIPOL1</i> | -0.0489462 | 0.37838307 | 1 |
| <i>PEPD</i> | -0.0489835 | 0.37801891 | 1 |
| <i>METT10D</i> | -0.049013 | 0.37773189 | 1 |
| <i>C3orf79</i> | -0.0491006 | 0.37687858 | 1 |
| <i>TMEM90B</i> | -0.0491426 | 0.37646985 | 1 |
| <i>ZFP57</i> | -0.0491473 | 0.3764245 | 1 |
| <i>XKR9</i> | -0.0491721 | 0.37618334 | 1 |
| <i>CMAS</i> | -0.0491799 | 0.37610704 | 1 |
| <i>MRPS36</i> | -0.0494135 | 0.37384182 | 1 |
| <i>PD XK</i> | -0.0494219 | 0.37376079 | 1 |
| <i>LOC441204</i> | -0.0495436 | 0.37258364 | 1 |
| <i>MECOM</i> | -0.0495866 | 0.37216828 | 1 |

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| <i>DPH3</i> | -0.0497243 | 0.37084044 | 1 |
| <i>MTA3</i> | -0.049774 | 0.37036175 | 1 |
| <i>CRCT1</i> | -0.0497753 | 0.37034922 | 1 |
| <i>SPRED1</i> | -0.0498095 | 0.37001989 | 1 |
| <i>RNF207</i> | -0.0498369 | 0.36975633 | 1 |
| <i>FAM83A</i> | -0.0498446 | 0.36968223 | 1 |
| <i>TAS1R3</i> | -0.0498638 | 0.36949764 | 1 |
| <i>RAB1F</i> | -0.0499148 | 0.36900732 | 1 |
| <i>FAM113B</i> | -0.0499383 | 0.36878233 | 1 |
| <i>GNAT3</i> | -0.0499527 | 0.36864413 | 1 |
| <i>TRIM6-TRIM</i> | -0.0499589 | 0.36858453 | 1 |
| <i>CDX1</i> | -0.0499601 | 0.36857296 | 1 |
| <i>ZNF622</i> | -0.0499653 | 0.36852313 | 1 |
| <i>CRYBB3</i> | -0.0500153 | 0.36804293 | 1 |
| <i>PARP10</i> | -0.0500159 | 0.36803769 | 1 |
| <i>PHC3</i> | -0.0500748 | 0.36747278 | 1 |
| <i>BBS7</i> | -0.0501065 | 0.3671691 | 1 |
| <i>C2orf57</i> | -0.0501361 | 0.36688586 | 1 |
| <i>VPS28</i> | -0.0501472 | 0.36678013 | 1 |
| <i>ZMYND15</i> | -0.0502325 | 0.36596409 | 1 |
| <i>FBXO39</i> | -0.0502371 | 0.36592046 | 1 |
| <i>GOLGA6L5</i> | -0.050292 | 0.36539586 | 1 |
| <i>GDPD1</i> | -0.0503173 | 0.36515497 | 1 |
| <i>ARSG</i> | -0.0503678 | 0.36467334 | 1 |
| <i>MXRA5</i> | -0.0503746 | 0.3646085 | 1 |
| <i>LIM2</i> | -0.0503891 | 0.36446981 | 1 |
| <i>C16orf82</i> | -0.0504111 | 0.36426002 | 1 |
| <i>RPRD1A</i> | -0.0504123 | 0.36424907 | 1 |
| <i>GPR139</i> | -0.0504129 | 0.36424339 | 1 |
| <i>SLC39A5</i> | -0.0506122 | 0.36234773 | 1 |
| <i>COL6A6</i> | -0.0506395 | 0.36208818 | 1 |
| <i>WFDC12</i> | -0.0506809 | 0.36169552 | 1 |
| <i>ZNF606</i> | -0.0506994 | 0.36152057 | 1 |
| <i>GOPC</i> | -0.0507012 | 0.36150275 | 1 |
| <i>HSD3B1</i> | -0.0507348 | 0.36118425 | 1 |
| <i>SHISA4</i> | -0.0507707 | 0.36084431 | 1 |
| <i>EPS8L1</i> | -0.0508026 | 0.36054234 | 1 |
| <i>OR5M10</i> | -0.0508308 | 0.36027588 | 1 |
| <i>OR7A5</i> | -0.0508416 | 0.36017313 | 1 |
| <i>SYCP1</i> | -0.0508894 | 0.35972089 | 1 |
| <i>SYT14L</i> | -0.0509251 | 0.35938411 | 1 |
| <i>GUCY2E</i> | -0.0509547 | 0.3591045 | 1 |
| <i>OR10G7</i> | -0.0509654 | 0.35900335 | 1 |
| <i>DEAF1</i> | -0.0510222 | 0.35846742 | 1 |
| <i>CAPN14</i> | -0.0512054 | 0.35674224 | 1 |
| <i>OR10J3</i> | -0.0512137 | 0.35666431 | 1 |
| <i>HIST1H1A</i> | -0.0512871 | 0.35597448 | 1 |
| <i>MICALL2</i> | -0.0513049 | 0.35580745 | 1 |
| <i>MSI1</i> | -0.0513307 | 0.35556481 | 1 |
| <i>10-Sep</i> | -0.0513414 | 0.35546441 | 1 |
| <i>OR52M1</i> | -0.0513469 | 0.35541287 | 1 |

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| <i>MOSC1</i> | -0.0513922 | 0.3549881 | 1 |
| <i>UBE2Q2P1</i> | -0.0514282 | 0.35465053 | 1 |
| <i>BPIL1</i> | -0.0514787 | 0.35417747 | 1 |
| <i>DAB2</i> | -0.0515245 | 0.3537491 | 1 |
| <i>C1orf141</i> | -0.0515505 | 0.35350623 | 1 |
| <i>PSG4</i> | -0.0515694 | 0.35332919 | 1 |
| <i>LOC388428</i> | -0.0516018 | 0.35302663 | 1 |
| <i>PNMT</i> | -0.0516078 | 0.35297013 | 1 |
| <i>KRTAP19-5</i> | -0.0516107 | 0.35294374 | 1 |
| <i>CHKB</i> | -0.0516218 | 0.35284007 | 1 |
| <i>CPZ</i> | -0.0516224 | 0.35283432 | 1 |
| <i>SGK494</i> | -0.0517087 | 0.35202879 | 1 |
| <i>AGBL2</i> | -0.0517094 | 0.35202245 | 1 |
| <i>TMC5</i> | -0.051731 | 0.35182106 | 1 |
| <i>SEC31B</i> | -0.0518015 | 0.35116359 | 1 |
| <i>AADA3L3</i> | -0.0518195 | 0.35099652 | 1 |
| <i>KLHL24</i> | -0.0519275 | 0.34999216 | 1 |
| <i>SBK2</i> | -0.0519647 | 0.34964681 | 1 |
| <i>SOX2OT</i> | -0.0520478 | 0.34887554 | 1 |
| <i>TMEM225</i> | -0.0522447 | 0.34705265 | 1 |
| <i>PRODH</i> | -0.0522804 | 0.3467228 | 1 |
| <i>CHIT1</i> | -0.0523478 | 0.3461003 | 1 |
| <i>PTPN13</i> | -0.0524095 | 0.34553191 | 1 |
| <i>ZNF557</i> | -0.0524118 | 0.34551081 | 1 |
| <i>MCCC1</i> | -0.0524756 | 0.34492307 | 1 |
| <i>GOLIM4</i> | -0.0524941 | 0.34475266 | 1 |
| <i>CELF1</i> | -0.0525165 | 0.3445468 | 1 |
| <i>LOC200030</i> | -0.0525385 | 0.34434377 | 1 |
| <i>OR10C1</i> | -0.0525761 | 0.34399842 | 1 |
| <i>PDC</i> | -0.0525936 | 0.34383794 | 1 |
| <i>CATSPER3</i> | -0.0526124 | 0.34366468 | 1 |
| <i>CRHR2</i> | -0.0526516 | 0.34330509 | 1 |
| <i>SPACA1</i> | -0.0526558 | 0.34326677 | 1 |
| <i>ADI1</i> | -0.0526657 | 0.34317513 | 1 |
| <i>C2orf62</i> | -0.0527336 | 0.34255301 | 1 |
| <i>GALNT14</i> | -0.0527537 | 0.3423684 | 1 |
| <i>RNMTL1</i> | -0.0527989 | 0.34195504 | 1 |
| <i>FBP1</i> | -0.0528992 | 0.34103701 | 1 |
| <i>BMP10</i> | -0.0529535 | 0.34054134 | 1 |
| <i>SLC12A1</i> | -0.053021 | 0.33992471 | 1 |
| <i>F9</i> | -0.0530324 | 0.33982128 | 1 |
| <i>RPS10P7</i> | -0.0530996 | 0.33920823 | 1 |
| <i>C17orf51</i> | -0.0531698 | 0.33856997 | 1 |
| <i>MACROD2</i> | -0.0532019 | 0.33827733 | 1 |
| <i>ZACN</i> | -0.0532116 | 0.33818986 | 1 |
| <i>SDF2L1</i> | -0.0532338 | 0.33798793 | 1 |
| <i>SETD7</i> | -0.0532898 | 0.33747928 | 1 |
| <i>KLHL3</i> | -0.0534183 | 0.33631387 | 1 |
| <i>PTPRG</i> | -0.0534422 | 0.33609694 | 1 |
| <i>PSMD9</i> | -0.0534735 | 0.33581372 | 1 |
| <i>PRR16</i> | -0.0535234 | 0.33536286 | 1 |

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| <i>FLJ45340</i> | -0.0536479 | 0.33423772 | 1 |
| <i>NPFFR2</i> | -0.0536637 | 0.33409538 | 1 |
| <i>IL3</i> | -0.0536645 | 0.33408809 | 1 |
| <i>APBB2</i> | -0.0536749 | 0.3339944 | 1 |
| <i>PLAGL1</i> | -0.0536909 | 0.33385023 | 1 |
| <i>EIF3K</i> | -0.0538182 | 0.33270335 | 1 |
| <i>ADAM20</i> | -0.0539087 | 0.33188966 | 1 |
| <i>CBLC</i> | -0.0539953 | 0.33111237 | 1 |
| <i>GBP6</i> | -0.0540426 | 0.33068865 | 1 |
| <i>GRM4</i> | -0.0541121 | 0.33006598 | 1 |
| <i>CDY2B</i> | -0.0541149 | 0.33004084 | 1 |
| <i>LPPR5</i> | -0.054147 | 0.32975418 | 1 |
| <i>ELAC2</i> | -0.0541566 | 0.32966787 | 1 |
| <i>ATP10B</i> | -0.0541786 | 0.32947167 | 1 |
| <i>C9orf80</i> | -0.0542277 | 0.32903235 | 1 |
| <i>RHOXF2B</i> | -0.0542843 | 0.32852712 | 1 |
| <i>TP53TG3B</i> | -0.0544035 | 0.32746508 | 1 |
| <i>ZNF226</i> | -0.0544087 | 0.32741889 | 1 |
| <i>SPRY3</i> | -0.0544402 | 0.327138 | 1 |
| <i>FBXO46</i> | -0.0544709 | 0.32686495 | 1 |
| <i>OOEP</i> | -0.0544829 | 0.32675843 | 1 |
| <i>FAM71B</i> | -0.0545052 | 0.32656039 | 1 |
| <i>PON3</i> | -0.0545256 | 0.32637851 | 1 |
| <i>FLOT2</i> | -0.0546025 | 0.3256959 | 1 |
| <i>HIST1H2BK</i> | -0.0546095 | 0.3256341 | 1 |
| <i>CSN2</i> | -0.0546821 | 0.32499026 | 1 |
| <i>GRM3</i> | -0.0547103 | 0.32474002 | 1 |
| <i>GTF3C6</i> | -0.0547211 | 0.32464476 | 1 |
| <i>GSTM3</i> | -0.0547525 | 0.32436664 | 1 |
| <i>ACCSL</i> | -0.0547614 | 0.32428769 | 1 |
| <i>WNK1</i> | -0.0548012 | 0.3239359 | 1 |
| <i>CYP7A1</i> | -0.0548137 | 0.32382543 | 1 |
| <i>IFNA21</i> | -0.0548625 | 0.32339438 | 1 |
| <i>DUOX2</i> | -0.0548765 | 0.32327017 | 1 |
| <i>HSD3B7</i> | -0.0549709 | 0.32243751 | 1 |
| <i>KIAA2026</i> | -0.0549757 | 0.32239483 | 1 |
| <i>CAPN3</i> | -0.054989 | 0.3222777 | 1 |
| <i>KBTBD3</i> | -0.0550244 | 0.32196586 | 1 |
| <i>TNS3</i> | -0.0550295 | 0.32192143 | 1 |
| <i>ZNF484</i> | -0.0550879 | 0.3214075 | 1 |
| <i>MYLIP</i> | -0.0552918 | 0.31961665 | 1 |
| <i>OR1B1</i> | -0.0553219 | 0.31935246 | 1 |
| <i>GUCA1B</i> | -0.0553252 | 0.31932371 | 1 |
| <i>PLA2G1B</i> | -0.0553972 | 0.31869359 | 1 |
| <i>PSG6</i> | -0.0555227 | 0.31759644 | 1 |
| <i>SHPRH</i> | -0.0555239 | 0.31758647 | 1 |
| <i>XPNPEP2</i> | -0.0555782 | 0.31711259 | 1 |
| <i>CAND1</i> | -0.055631 | 0.31665219 | 1 |
| <i>LRRC57</i> | -0.0556778 | 0.31624442 | 1 |
| <i>BTBD1</i> | -0.0556795 | 0.31622981 | 1 |
| <i>C3orf43</i> | -0.0557629 | 0.3155045 | 1 |

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| <i>SCARNA1</i> | -0.0558066 | 0.31512462 | 1 |
| <i>RASA2</i> | -0.0558808 | 0.31448088 | 1 |
| <i>CTLA4</i> | -0.0558833 | 0.31445869 | 1 |
| <i>ST6GALNAC3</i> | -0.055924 | 0.31410598 | 1 |
| <i>GPR137C</i> | -0.0559792 | 0.31362814 | 1 |
| <i>ZNF763</i> | -0.0561029 | 0.31255784 | 1 |
| <i>ASMTL</i> | -0.0561205 | 0.31240636 | 1 |
| <i>MAGED4</i> | -0.0561385 | 0.31225056 | 1 |
| <i>TTY10</i> | -0.0561723 | 0.31195928 | 1 |
| <i>FNDC4</i> | -0.0562382 | 0.31139056 | 1 |
| <i>LIME1</i> | -0.0562641 | 0.31116795 | 1 |
| <i>DNAJC14</i> | -0.0563952 | 0.31003962 | 1 |
| <i>ANKFN1</i> | -0.0564082 | 0.3099283 | 1 |
| <i>RNF130</i> | -0.0564555 | 0.30952163 | 1 |
| <i>FAM86B2</i> | -0.0565603 | 0.30862301 | 1 |
| <i>MGC70857</i> | -0.0566034 | 0.30825424 | 1 |
| <i>MAST1</i> | -0.0566708 | 0.30767757 | 1 |
| <i>ROBO1</i> | -0.0567002 | 0.30742592 | 1 |
| <i>SLC35F4</i> | -0.0567103 | 0.30733946 | 1 |
| <i>ECHDC1</i> | -0.0567879 | 0.30667757 | 1 |
| <i>LRRC67</i> | -0.0567977 | 0.30659396 | 1 |
| <i>FAM158A</i> | -0.0568135 | 0.30645899 | 1 |
| <i>BSND</i> | -0.0568531 | 0.30612145 | 1 |
| <i>SCRT2</i> | -0.0568883 | 0.30582185 | 1 |
| <i>OR52D1</i> | -0.0569107 | 0.30563105 | 1 |
| <i>AGA</i> | -0.0569699 | 0.30512712 | 1 |
| <i>ATXN7L1</i> | -0.057035 | 0.30457356 | 1 |
| <i>SHMT1</i> | -0.0570804 | 0.30418869 | 1 |
| <i>ZFP14</i> | -0.0571626 | 0.30349158 | 1 |
| <i>ZNF586</i> | -0.0571633 | 0.30348526 | 1 |
| <i>TBRG1</i> | -0.0573138 | 0.30221238 | 1 |
| <i>ENPP3</i> | -0.0573856 | 0.30160631 | 1 |
| <i>CIB4</i> | -0.0573884 | 0.3015821 | 1 |
| <i>HIST1H3D</i> | -0.0574614 | 0.3009672 | 1 |
| <i>ZNF232</i> | -0.0575446 | 0.30026649 | 1 |
| <i>LOC642597</i> | -0.0575596 | 0.30014022 | 1 |
| <i>GLIPR1L2</i> | -0.0575885 | 0.29989688 | 1 |
| <i>IFNA8</i> | -0.0575973 | 0.29982301 | 1 |
| <i>MGC16025</i> | -0.0576592 | 0.2993033 | 1 |
| <i>C1orf92</i> | -0.0577123 | 0.29885804 | 1 |
| <i>NFKBID</i> | -0.05777 | 0.29837371 | 1 |
| <i>DLG5</i> | -0.0577936 | 0.29817654 | 1 |
| <i>ZBED2</i> | -0.0579517 | 0.296854 | 1 |
| <i>SNX7</i> | -0.058051 | 0.29602615 | 1 |
| <i>SRP14</i> | -0.0580684 | 0.29588119 | 1 |
| <i>RAB1A</i> | -0.0581004 | 0.29561472 | 1 |
| <i>LOC1001302</i> | -0.0581109 | 0.29552731 | 1 |
| <i>TRIML2</i> | -0.0581134 | 0.29550652 | 1 |
| <i>CHRNA1</i> | -0.0581668 | 0.29506155 | 1 |
| <i>FDFT1</i> | -0.0583019 | 0.29393978 | 1 |
| <i>ISLR</i> | -0.0583102 | 0.29387093 | 1 |

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| <i>RYR2</i> | -0.0583401 | 0.29362346 | 1 |
| <i>GTF2IRD2</i> | -0.0583909 | 0.29320203 | 1 |
| <i>LOC285740</i> | -0.0584751 | 0.29250588 | 1 |
| <i>HSPC072</i> | -0.0584844 | 0.29242868 | 1 |
| <i>FAM71C</i> | -0.0585054 | 0.29225489 | 1 |
| <i>SIK1</i> | -0.0585064 | 0.29224681 | 1 |
| <i>CISD3</i> | -0.0585504 | 0.29188355 | 1 |
| <i>ELMOD2</i> | -0.0586684 | 0.29090996 | 1 |
| <i>APOH</i> | -0.058792 | 0.28989376 | 1 |
| <i>GTF2IRD2B</i> | -0.0589288 | 0.2887708 | 1 |
| <i>RAI14</i> | -0.0589732 | 0.28840722 | 1 |
| <i>ELOVL2</i> | -0.0589744 | 0.28839723 | 1 |
| <i>HPN</i> | -0.0590054 | 0.28814338 | 1 |
| <i>MAFF</i> | -0.0590095 | 0.28810979 | 1 |
| <i>KIAA0586</i> | -0.0590652 | 0.28765413 | 1 |
| <i>FNDC1</i> | -0.0590748 | 0.28757578 | 1 |
| <i>A1CF</i> | -0.0591167 | 0.28723329 | 1 |
| <i>FAM82A2</i> | -0.0591414 | 0.28703132 | 1 |
| <i>UBAP1</i> | -0.0591949 | 0.28659537 | 1 |
| <i>TBL1Y</i> | -0.0593155 | 0.28561263 | 1 |
| <i>ZNF585A</i> | -0.0593425 | 0.28539276 | 1 |
| <i>SLC36A3</i> | -0.0593518 | 0.2853176 | 1 |
| <i>FAM190A</i> | -0.0593747 | 0.28513104 | 1 |
| <i>NFATC2IP</i> | -0.0594335 | 0.28465364 | 1 |
| <i>DZIP3</i> | -0.0594361 | 0.28463227 | 1 |
| <i>PRR15L</i> | -0.0594595 | 0.28444223 | 1 |
| <i>PTPRU</i> | -0.0594762 | 0.28430706 | 1 |
| <i>BRP44</i> | -0.0595334 | 0.28384332 | 1 |
| <i>TMEM64</i> | -0.0595408 | 0.28378373 | 1 |
| <i>DCUN1D1</i> | -0.059561 | 0.28361973 | 1 |
| <i>KLHL21</i> | -0.059572 | 0.28353077 | 1 |
| <i>FARS2</i> | -0.0596283 | 0.28307513 | 1 |
| <i>POTEE</i> | -0.0596443 | 0.28294591 | 1 |
| <i>LYPD5</i> | -0.059719 | 0.2823423 | 1 |
| <i>C11orf85</i> | -0.0597937 | 0.28173985 | 1 |
| <i>FKBP1A</i> | -0.0598243 | 0.28149298 | 1 |
| <i>PRRX2</i> | -0.0599493 | 0.28048738 | 1 |
| <i>MAD2L1BP</i> | -0.0600052 | 0.28003762 | 1 |
| <i>LOC360030</i> | -0.0600177 | 0.27993747 | 1 |
| <i>AIFM2</i> | -0.0600744 | 0.2794824 | 1 |
| <i>COQ5</i> | -0.0600945 | 0.27932152 | 1 |
| <i>COL6A3</i> | -0.0601134 | 0.2791698 | 1 |
| <i>TRH</i> | -0.0601147 | 0.27915942 | 1 |
| <i>RHCE</i> | -0.0601639 | 0.2787656 | 1 |
| <i>SERPINB10</i> | -0.0602691 | 0.27792458 | 1 |
| <i>COQ6</i> | -0.0602846 | 0.27780065 | 1 |
| <i>SPRR2B</i> | -0.0603184 | 0.27753063 | 1 |
| <i>CDH16</i> | -0.0603266 | 0.27746526 | 1 |
| <i>ID1</i> | -0.0603416 | 0.2773458 | 1 |
| <i>KLHL25</i> | -0.0603618 | 0.2771848 | 1 |
| <i>LOC1001286</i> | -0.0604726 | 0.27630188 | 1 |

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| <i>LTBP1</i> | -0.0604879 | 0.27618014 | 1 |
| <i>MLC1</i> | -0.0605758 | 0.27548178 | 1 |
| <i>C6orf10</i> | -0.0605789 | 0.27545699 | 1 |
| <i>ADAL</i> | -0.0605849 | 0.27540983 | 1 |
| <i>DNMBP</i> | -0.0606008 | 0.27528311 | 1 |
| <i>OR1E1</i> | -0.0606223 | 0.27511304 | 1 |
| <i>NDUFA1</i> | -0.0607376 | 0.27419919 | 1 |
| <i>MAPK8IP1</i> | -0.0607473 | 0.27412226 | 1 |
| <i>LOH12CR2</i> | -0.0607687 | 0.27395325 | 1 |
| <i>GTF2A2</i> | -0.0607744 | 0.27390782 | 1 |
| <i>PARP11</i> | -0.0607794 | 0.27386884 | 1 |
| <i>UGT2B10</i> | -0.0608652 | 0.27319034 | 1 |
| <i>LOC402377</i> | -0.0608909 | 0.27298746 | 1 |
| <i>OR2AG1</i> | -0.061028 | 0.27190703 | 1 |
| <i>LOC1001321</i> | -0.0610285 | 0.27190305 | 1 |
| <i>HSPA1A</i> | -0.0610364 | 0.27184115 | 1 |
| <i>TUBG2</i> | -0.0610763 | 0.27152752 | 1 |
| <i>GON4L</i> | -0.0610828 | 0.27147642 | 1 |
| <i>OR2A2</i> | -0.0610952 | 0.27137882 | 1 |
| <i>ID2B</i> | -0.061183 | 0.27068921 | 1 |
| <i>BAG5</i> | -0.0612099 | 0.27047789 | 1 |
| <i>TRIM17</i> | -0.0612238 | 0.27036891 | 1 |
| <i>GADD45G</i> | -0.0612308 | 0.27031415 | 1 |
| <i>MGC16384</i> | -0.0612396 | 0.27024575 | 1 |
| <i>NIPA1</i> | -0.0612396 | 0.27024526 | 1 |
| <i>FLJ46321</i> | -0.0612464 | 0.27019216 | 1 |
| <i>SELV</i> | -0.0613029 | 0.26974934 | 1 |
| <i>YTHDF3</i> | -0.0614104 | 0.26890898 | 1 |
| <i>DHTKD1</i> | -0.0614158 | 0.26886652 | 1 |
| <i>RUFY4</i> | -0.0614489 | 0.26860842 | 1 |
| <i>APBB3</i> | -0.0614975 | 0.26822931 | 1 |
| <i>GSTA4</i> | -0.0616762 | 0.26683876 | 1 |
| <i>GJA10</i> | -0.0617194 | 0.2665033 | 1 |
| <i>DEFB131</i> | -0.0617568 | 0.2662126 | 1 |
| <i>SCARNA22</i> | -0.0617578 | 0.26620508 | 1 |
| <i>LOC285548</i> | -0.0618043 | 0.26584482 | 1 |
| <i>TGFBR2</i> | -0.0618112 | 0.26579101 | 1 |
| <i>KIAA1217</i> | -0.0619 | 0.26510368 | 1 |
| <i>LRRC40</i> | -0.0619723 | 0.26454448 | 1 |
| <i>DOCK9</i> | -0.0620162 | 0.26420589 | 1 |
| <i>CDH12</i> | -0.0620164 | 0.26420432 | 1 |
| <i>UVRAG</i> | -0.062032 | 0.26408417 | 1 |
| <i>TMEM87A</i> | -0.0620769 | 0.26373735 | 1 |
| <i>PPP2R2A</i> | -0.062113 | 0.26345982 | 1 |
| <i>CCDC125</i> | -0.0621683 | 0.26303393 | 1 |
| <i>C18orf10</i> | -0.0622082 | 0.26272734 | 1 |
| <i>SEMG2</i> | -0.0622336 | 0.26253204 | 1 |
| <i>ZFP91-CNTF</i> | -0.0622357 | 0.26251554 | 1 |
| <i>HFM1</i> | -0.0622553 | 0.2623654 | 1 |
| <i>POM121L9P</i> | -0.0622911 | 0.26209003 | 1 |
| <i>FLT1</i> | -0.062308 | 0.26196072 | 1 |

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| <i>XIRP2</i> | -0.0623084 | 0.26195757 | 1 |
| <i>LAMP3</i> | -0.062309 | 0.26195308 | 1 |
| <i>PGBD1</i> | -0.0623137 | 0.26191693 | 1 |
| <i>NSFL1C</i> | -0.0623412 | 0.26170601 | 1 |
| <i>NR0B1</i> | -0.0623776 | 0.26142732 | 1 |
| <i>ICK</i> | -0.0624577 | 0.26081403 | 1 |
| <i>C11orf59</i> | -0.0625142 | 0.26038228 | 1 |
| <i>RGNEF</i> | -0.0625329 | 0.26023893 | 1 |
| <i>GSK3A</i> | -0.0625383 | 0.26019803 | 1 |
| <i>ARHGEF3</i> | -0.0626105 | 0.25964661 | 1 |
| <i>PPP1R3E</i> | -0.0626684 | 0.25920535 | 1 |
| <i>TMC1</i> | -0.0626697 | 0.25919604 | 1 |
| <i>ZMYND10</i> | -0.0626744 | 0.25916032 | 1 |
| <i>SLC6A11</i> | -0.0626794 | 0.25912158 | 1 |
| <i>C3orf72</i> | -0.0627153 | 0.25884893 | 1 |
| <i>ERAP2</i> | -0.0627367 | 0.25868607 | 1 |
| <i>CCNK</i> | -0.0627419 | 0.25864645 | 1 |
| <i>NACC1</i> | -0.0627499 | 0.25858526 | 1 |
| <i>H3F3B</i> | -0.0627562 | 0.25853742 | 1 |
| <i>CXCL14</i> | -0.0627664 | 0.25846039 | 1 |
| <i>C11orf45</i> | -0.0628894 | 0.25752657 | 1 |
| <i>C17orf54</i> | -0.0629113 | 0.25735997 | 1 |
| <i>COBRA1</i> | -0.0629528 | 0.25704624 | 1 |
| <i>GLIPR1</i> | -0.0629579 | 0.25700741 | 1 |
| <i>CPPED1</i> | -0.063031 | 0.25645387 | 1 |
| <i>CDC42EP2</i> | -0.0630837 | 0.25605615 | 1 |
| <i>TMEM233</i> | -0.0630947 | 0.25597301 | 1 |
| <i>TPTE</i> | -0.0631264 | 0.25573346 | 1 |
| <i>C1orf64</i> | -0.0632391 | 0.25488412 | 1 |
| <i>LYPLA2P1</i> | -0.063338 | 0.25414063 | 1 |
| <i>OR1L6</i> | -0.0634071 | 0.25362189 | 1 |
| <i>HERC2P4</i> | -0.0634508 | 0.25329381 | 1 |
| <i>DAPK2</i> | -0.0634521 | 0.25328395 | 1 |
| <i>THAP4</i> | -0.0634894 | 0.25300485 | 1 |
| <i>RNLS</i> | -0.0634969 | 0.25294883 | 1 |
| <i>PDE10A</i> | -0.0635583 | 0.25248899 | 1 |
| <i>FHOD1</i> | -0.0636398 | 0.25187992 | 1 |
| <i>GIYD2</i> | -0.0636996 | 0.25143383 | 1 |
| <i>KIF6</i> | -0.0637667 | 0.25093353 | 1 |
| <i>TPM3</i> | -0.0638149 | 0.25057508 | 1 |
| <i>PSME1</i> | -0.063815 | 0.25057471 | 1 |
| <i>DDX42</i> | -0.0638404 | 0.25038538 | 1 |
| <i>ELF3</i> | -0.0638845 | 0.25005733 | 1 |
| <i>DNAH8</i> | -0.0638862 | 0.25004515 | 1 |
| <i>OR51Q1</i> | -0.0639872 | 0.24929559 | 1 |
| <i>F13B</i> | -0.064087 | 0.24855635 | 1 |
| <i>DLG3</i> | -0.0641064 | 0.24841289 | 1 |
| <i>TM9SF3</i> | -0.0641398 | 0.24816575 | 1 |
| <i>TRIM68</i> | -0.0641637 | 0.24798979 | 1 |
| <i>PPP1R3G</i> | -0.0641826 | 0.24784983 | 1 |
| <i>SEL1L2</i> | -0.0642231 | 0.24755129 | 1 |

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| <i>HSPA4L</i> | -0.0643058 | 0.24694159 | 1 |
| <i>FTO</i> | -0.0643656 | 0.24650139 | 1 |
| <i>FRMPD2</i> | -0.064417 | 0.24612346 | 1 |
| <i>HAVCR1</i> | -0.0644192 | 0.24610721 | 1 |
| <i>ZCCHC6</i> | -0.0644397 | 0.24595674 | 1 |
| <i>LOC152225</i> | -0.0645741 | 0.24497078 | 1 |
| <i>ATP6V1G3</i> | -0.0646001 | 0.24478093 | 1 |
| <i>PPP1R10</i> | -0.0646056 | 0.24474069 | 1 |
| <i>INSM2</i> | -0.0646108 | 0.24470261 | 1 |
| <i>AIFM3</i> | -0.0646686 | 0.24427986 | 1 |
| <i>ZNF428</i> | -0.0646781 | 0.24421011 | 1 |
| <i>ITGB6</i> | -0.0647267 | 0.24385546 | 1 |
| <i>ZNF735</i> | -0.0647432 | 0.24373505 | 1 |
| <i>COG2</i> | -0.0647475 | 0.24370388 | 1 |
| <i>RSU1</i> | -0.0648075 | 0.24326616 | 1 |
| <i>BAZ2B</i> | -0.0648163 | 0.2432022 | 1 |
| <i>DRD3</i> | -0.0648175 | 0.24319282 | 1 |
| <i>SAPS3</i> | -0.0648567 | 0.24290778 | 1 |
| <i>IGLL3</i> | -0.0648607 | 0.24287853 | 1 |
| <i>BAG4</i> | -0.0648627 | 0.24286392 | 1 |
| <i>SLTM</i> | -0.0648657 | 0.24284242 | 1 |
| <i>C4orf37</i> | -0.0648884 | 0.24267708 | 1 |
| <i>FRAT2</i> | -0.0648997 | 0.24259496 | 1 |
| <i>AMY1A</i> | -0.0649095 | 0.24252341 | 1 |
| <i>ODZ4</i> | -0.0649405 | 0.24229807 | 1 |
| <i>C16orf90</i> | -0.0649509 | 0.24222267 | 1 |
| <i>APOOL</i> | -0.0650783 | 0.24129779 | 1 |
| <i>PDE4A</i> | -0.0651218 | 0.2409828 | 1 |
| <i>PKHD1</i> | -0.0651403 | 0.24084903 | 1 |
| <i>GPR152</i> | -0.065152 | 0.24076454 | 1 |
| <i>CT62</i> | -0.0652086 | 0.24035519 | 1 |
| <i>COX7C</i> | -0.0652475 | 0.2400741 | 1 |
| <i>FAM74A4</i> | -0.065268 | 0.23992592 | 1 |
| <i>DCP2</i> | -0.0652911 | 0.23975982 | 1 |
| <i>DDX17</i> | -0.0653147 | 0.23958927 | 1 |
| <i>DEDD</i> | -0.0653147 | 0.23958916 | 1 |
| <i>ATF5</i> | -0.0653203 | 0.23954874 | 1 |
| <i>S1PR3</i> | -0.0653479 | 0.23935007 | 1 |
| <i>ACCN3</i> | -0.065351 | 0.23932803 | 1 |
| <i>MUM1</i> | -0.0653963 | 0.23900167 | 1 |
| <i>SLC24A1</i> | -0.0654532 | 0.23859206 | 1 |
| <i>L3MBTL4</i> | -0.0654713 | 0.23846232 | 1 |
| <i>PIK3R4</i> | -0.0654795 | 0.23840278 | 1 |
| <i>FN1</i> | -0.0655265 | 0.23806583 | 1 |
| <i>FAIM2</i> | -0.0655331 | 0.2380183 | 1 |
| <i>EYS</i> | -0.0656082 | 0.23747985 | 1 |
| <i>KIAA0753</i> | -0.0656315 | 0.23731292 | 1 |
| <i>TMPRSS11F</i> | -0.0657124 | 0.23673374 | 1 |
| <i>C4orf32</i> | -0.0657192 | 0.23668487 | 1 |
| <i>SNORA13</i> | -0.065778 | 0.2362648 | 1 |
| <i>FDX1</i> | -0.0658076 | 0.23605363 | 1 |

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| <i>CXorf64</i> | -0.0658787 | 0.23554689 | 1 |
| <i>PPFIBP2</i> | -0.0659061 | 0.2353514 | 1 |
| <i>CHRNA9</i> | -0.0659113 | 0.23531466 | 1 |
| <i>SLC16A6</i> | -0.0659362 | 0.2351374 | 1 |
| <i>RHO</i> | -0.0659612 | 0.23495957 | 1 |
| <i>GDF3</i> | -0.0660262 | 0.23449778 | 1 |
| <i>DCDC2</i> | -0.0660614 | 0.23424786 | 1 |
| <i>MX2</i> | -0.0660658 | 0.23421648 | 1 |
| <i>GOLGA6A</i> | -0.0661344 | 0.23372977 | 1 |
| <i>BEX2</i> | -0.0661395 | 0.23369403 | 1 |
| <i>GATSL1</i> | -0.0662179 | 0.23313897 | 1 |
| <i>C14orf93</i> | -0.0662539 | 0.23288443 | 1 |
| <i>NCRNA0011</i> | -0.0662826 | 0.23268184 | 1 |
| <i>HPVC1</i> | -0.0662978 | 0.2325745 | 1 |
| <i>LCE1C</i> | -0.0663181 | 0.23243078 | 1 |
| <i>ABCG5</i> | -0.066349 | 0.23221308 | 1 |
| <i>MGAT5</i> | -0.0663964 | 0.23187851 | 1 |
| <i>NCRNA0020</i> | -0.0664513 | 0.23149213 | 1 |
| <i>C8orf47</i> | -0.066492 | 0.23120584 | 1 |
| <i>C20orf70</i> | -0.0665344 | 0.2309076 | 1 |
| <i>NFIX</i> | -0.0666407 | 0.23016193 | 1 |
| <i>KIAA1609</i> | -0.0666959 | 0.22977521 | 1 |
| <i>DKFZP434L1</i> | -0.0667381 | 0.22947985 | 1 |
| <i>ZSWIM2</i> | -0.0668134 | 0.2289538 | 1 |
| <i>HOXC8</i> | -0.0669242 | 0.22818098 | 1 |
| <i>ZNF570</i> | -0.0669474 | 0.22801929 | 1 |
| <i>ZNF544</i> | -0.0669848 | 0.22775881 | 1 |
| <i>COX7A2</i> | -0.0670508 | 0.22730014 | 1 |
| <i>MED23</i> | -0.0670589 | 0.22724385 | 1 |
| <i>ATP1B4</i> | -0.0670671 | 0.22718691 | 1 |
| <i>PTX4</i> | -0.0671096 | 0.22689177 | 1 |
| <i>MLEC</i> | -0.0672623 | 0.22583452 | 1 |
| <i>PPP1R9B</i> | -0.0672624 | 0.22583338 | 1 |
| <i>CRISP1</i> | -0.0673784 | 0.22503252 | 1 |
| <i>MC5R</i> | -0.0673879 | 0.2249668 | 1 |
| <i>SDHAP1</i> | -0.0673931 | 0.2249309 | 1 |
| <i>ELMO3</i> | -0.0675446 | 0.22388777 | 1 |
| <i>C12orf54</i> | -0.0676107 | 0.22343406 | 1 |
| <i>SNORA44</i> | -0.0676372 | 0.22325202 | 1 |
| <i>NUP50</i> | -0.0676409 | 0.22322701 | 1 |
| <i>PLB1</i> | -0.0676683 | 0.22303892 | 1 |
| <i>HIGD1B</i> | -0.0678563 | 0.22175318 | 1 |
| <i>INSL4</i> | -0.0680113 | 0.22069671 | 1 |
| <i>VSIG1</i> | -0.0680121 | 0.22069157 | 1 |
| <i>MS4A5</i> | -0.0680173 | 0.22065611 | 1 |
| <i>C3orf47</i> | -0.0680334 | 0.22054671 | 1 |
| <i>FAM66A</i> | -0.06804 | 0.22050156 | 1 |
| <i>TCEAL8</i> | -0.0680651 | 0.22033093 | 1 |
| <i>SFT2D2</i> | -0.0680673 | 0.22031582 | 1 |
| <i>BCYRN1</i> | -0.0681389 | 0.21982954 | 1 |
| <i>SNORA14A</i> | -0.0681412 | 0.21981411 | 1 |

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| <i>TMX4</i> | -0.0681566 | 0.2197101 | 1 |
| <i>ZCCHC8</i> | -0.068293 | 0.2187864 | 1 |
| <i>C1orf116</i> | -0.0683068 | 0.21869263 | 1 |
| <i>TLL1</i> | -0.0683145 | 0.21864068 | 1 |
| <i>EXOC5</i> | -0.0683301 | 0.2185354 | 1 |
| <i>OR5B17</i> | -0.0683417 | 0.21845695 | 1 |
| <i>LDLRAD1</i> | -0.0683477 | 0.21841675 | 1 |
| <i>SMCR7L</i> | -0.0684044 | 0.21803416 | 1 |
| <i>LCT</i> | -0.0684229 | 0.21790894 | 1 |
| <i>PANX3</i> | -0.0684585 | 0.21766959 | 1 |
| <i>SF1</i> | -0.0684966 | 0.21741276 | 1 |
| <i>OR6M1</i> | -0.0685703 | 0.21691701 | 1 |
| <i>TXNDC2</i> | -0.0685768 | 0.21687363 | 1 |
| <i>GNA15</i> | -0.068591 | 0.21677789 | 1 |
| <i>C18orf18</i> | -0.0686192 | 0.2165888 | 1 |
| <i>MSH4</i> | -0.068738 | 0.21579235 | 1 |
| <i>HTR7P1</i> | -0.068755 | 0.21567854 | 1 |
| <i>CES4</i> | -0.068836 | 0.21513684 | 1 |
| <i>GABRA3</i> | -0.0689018 | 0.21469771 | 1 |
| <i>FCGR1C</i> | -0.0690033 | 0.21402157 | 1 |
| <i>OR52N1</i> | -0.0690846 | 0.21348073 | 1 |
| <i>LOC84740</i> | -0.0690869 | 0.21346544 | 1 |
| <i>EEF1DP3</i> | -0.0691294 | 0.21318344 | 1 |
| <i>KCNK16</i> | -0.0691344 | 0.21315004 | 1 |
| <i>ERP29</i> | -0.069175 | 0.21288112 | 1 |
| <i>SNORA36A</i> | -0.0692341 | 0.21248941 | 1 |
| <i>TMEM14E</i> | -0.0693429 | 0.21176991 | 1 |
| <i>LOC340357</i> | -0.0693434 | 0.21176676 | 1 |
| <i>LCN15</i> | -0.06938 | 0.21152534 | 1 |
| <i>FOXC2</i> | -0.069386 | 0.21148537 | 1 |
| <i>GSTT1</i> | -0.0693924 | 0.21144336 | 1 |
| <i>LOC91948</i> | -0.0694263 | 0.21121942 | 1 |
| <i>PLIN5</i> | -0.0694269 | 0.21121552 | 1 |
| <i>LIMD1</i> | -0.0695205 | 0.2105995 | 1 |
| <i>CTGF</i> | -0.0695323 | 0.21052179 | 1 |
| <i>ANXA8</i> | -0.0695839 | 0.2101829 | 1 |
| <i>SAA3P</i> | -0.0696047 | 0.21004599 | 1 |
| <i>C8B</i> | -0.0696094 | 0.21001493 | 1 |
| <i>CD200R1L</i> | -0.069654 | 0.20972272 | 1 |
| <i>C8orf83</i> | -0.0696722 | 0.20960303 | 1 |
| <i>POLD3</i> | -0.0696784 | 0.20956217 | 1 |
| <i>WDR82</i> | -0.0697374 | 0.20917627 | 1 |
| <i>C1orf152</i> | -0.0698463 | 0.20846425 | 1 |
| <i>C11orf34</i> | -0.0698553 | 0.20840515 | 1 |
| <i>MLN</i> | -0.0699189 | 0.20799024 | 1 |
| <i>PLEKHG7</i> | -0.06999 | 0.20752733 | 1 |
| <i>UBE2Q2</i> | -0.0700026 | 0.20744522 | 1 |
| <i>TMUB2</i> | -0.0700736 | 0.2069835 | 1 |
| <i>IL2RG</i> | -0.0701153 | 0.20671299 | 1 |
| <i>LOC1001334</i> | -0.0702174 | 0.20605069 | 1 |
| <i>C19orf55</i> | -0.0703094 | 0.2054557 | 1 |

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|------------------|------------|------------|---|
| <i>PRUNE</i> | -0.0703378 | 0.20527199 | 1 |
| <i>TM4SF18</i> | -0.0703731 | 0.20504435 | 1 |
| <i>AGXT2</i> | -0.0703801 | 0.2049989 | 1 |
| <i>LZTS2</i> | -0.0704623 | 0.2044695 | 1 |
| <i>PSG5</i> | -0.0705699 | 0.20377733 | 1 |
| <i>C11orf88</i> | -0.0705744 | 0.20374858 | 1 |
| <i>CDC14B</i> | -0.0705831 | 0.20369269 | 1 |
| <i>GRM5</i> | -0.0705961 | 0.20360906 | 1 |
| <i>FASTKD1</i> | -0.0705983 | 0.20359489 | 1 |
| <i>KDM4C</i> | -0.0706525 | 0.20324732 | 1 |
| <i>CDH17</i> | -0.0707759 | 0.20245683 | 1 |
| <i>P704P</i> | -0.0708246 | 0.20214584 | 1 |
| <i>STXBP3</i> | -0.0708524 | 0.2019683 | 1 |
| <i>MORF4</i> | -0.0711278 | 0.20021599 | 1 |
| <i>TRIM66</i> | -0.0711902 | 0.19982083 | 1 |
| <i>BTBD10</i> | -0.0712457 | 0.19946961 | 1 |
| <i>ZNF701</i> | -0.0713274 | 0.19895307 | 1 |
| <i>SYN1</i> | -0.0713418 | 0.19886244 | 1 |
| <i>C16orf92</i> | -0.0714595 | 0.19812061 | 1 |
| <i>SLCO6A1</i> | -0.071472 | 0.19804197 | 1 |
| <i>ACY3</i> | -0.0714747 | 0.19802513 | 1 |
| <i>RASGEF1A</i> | -0.0715157 | 0.19776684 | 1 |
| <i>LCE5A</i> | -0.0715881 | 0.19731243 | 1 |
| <i>FOXD4L6</i> | -0.0716528 | 0.19690678 | 1 |
| <i>NXNL1</i> | -0.0717328 | 0.19640569 | 1 |
| <i>RBMS1</i> | -0.0717483 | 0.19630874 | 1 |
| <i>USP46</i> | -0.0719093 | 0.1953043 | 1 |
| <i>ACCN5</i> | -0.0719119 | 0.19528835 | 1 |
| <i>HIRIP3</i> | -0.0719287 | 0.19518329 | 1 |
| <i>TAS2R50</i> | -0.0719459 | 0.1950763 | 1 |
| <i>GLIS2</i> | -0.0719506 | 0.19504745 | 1 |
| <i>LOC647309</i> | -0.0719741 | 0.19490126 | 1 |
| <i>CEMP1</i> | -0.072067 | 0.19432374 | 1 |
| <i>RAB40B</i> | -0.0720732 | 0.1942855 | 1 |
| <i>ZHX3</i> | -0.0720886 | 0.19418968 | 1 |
| <i>ODF4</i> | -0.0720887 | 0.19418897 | 1 |
| <i>SPOCK1</i> | -0.0720975 | 0.19413463 | 1 |
| <i>ARHGEF10</i> | -0.0721101 | 0.19405645 | 1 |
| <i>LGALS8</i> | -0.072128 | 0.19394569 | 1 |
| <i>CBR4</i> | -0.0721913 | 0.19355352 | 1 |
| <i>CDH4</i> | -0.0721952 | 0.19352934 | 1 |
| <i>RBM7</i> | -0.0722908 | 0.19293893 | 1 |
| <i>BTRC</i> | -0.0723226 | 0.19274271 | 1 |
| <i>C12orf27</i> | -0.0723264 | 0.19271871 | 1 |
| <i>RELA</i> | -0.0723491 | 0.1925791 | 1 |
| <i>FUZ</i> | -0.0723695 | 0.19245352 | 1 |
| <i>OR2G3</i> | -0.0724512 | 0.19195062 | 1 |
| <i>GPR179</i> | -0.072486 | 0.19173633 | 1 |
| <i>RAPGEF5</i> | -0.0725101 | 0.19158807 | 1 |
| <i>MID1</i> | -0.0725478 | 0.19135719 | 1 |
| <i>PTPRA</i> | -0.0725697 | 0.1912227 | 1 |

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| <i>C3orf49</i> | -0.0725889 | 0.19110486 | 1 |
| <i>RNF126P1</i> | -0.0726215 | 0.19090517 | 1 |
| <i>ELOVL7</i> | -0.0726356 | 0.19081875 | 1 |
| <i>LOC441455</i> | -0.0726506 | 0.19072697 | 1 |
| <i>C1orf189</i> | -0.0727131 | 0.19034439 | 1 |
| <i>SGTB</i> | -0.0727349 | 0.19021152 | 1 |
| <i>CSGALNACT1</i> | -0.0727681 | 0.19000871 | 1 |
| <i>CRYL1</i> | -0.0728892 | 0.18927072 | 1 |
| <i>PRSS48</i> | -0.0729077 | 0.18915767 | 1 |
| <i>SYNJ2</i> | -0.0729129 | 0.18912638 | 1 |
| <i>BAT2L1</i> | -0.0729332 | 0.18900247 | 1 |
| <i>ANTXR1</i> | -0.0729351 | 0.18899133 | 1 |
| <i>AANAT</i> | -0.0729724 | 0.18876421 | 1 |
| <i>IDUA</i> | -0.0730153 | 0.18850385 | 1 |
| <i>TIGD7</i> | -0.0730692 | 0.18817729 | 1 |
| <i>C19orf12</i> | -0.0731618 | 0.18761652 | 1 |
| <i>C8orf56</i> | -0.0731767 | 0.1875262 | 1 |
| <i>HOXC9</i> | -0.073198 | 0.18739748 | 1 |
| <i>CERCAM</i> | -0.0732354 | 0.18717184 | 1 |
| <i>GMCL1</i> | -0.073255 | 0.18705312 | 1 |
| <i>PAQR9</i> | -0.0732875 | 0.18685721 | 1 |
| <i>SLC2A14</i> | -0.0733018 | 0.18677116 | 1 |
| <i>PPAPDC2</i> | -0.0733506 | 0.18647704 | 1 |
| <i>FLJ32063</i> | -0.0734007 | 0.18617589 | 1 |
| <i>CLEC2L</i> | -0.0734186 | 0.18606826 | 1 |
| <i>FLG2</i> | -0.0734226 | 0.18604405 | 1 |
| <i>NUDT9P1</i> | -0.0734483 | 0.1858894 | 1 |
| <i>OR10G8</i> | -0.0735796 | 0.1851023 | 1 |
| <i>DPY19L2P2</i> | -0.0736106 | 0.18491668 | 1 |
| <i>CPLX2</i> | -0.073635 | 0.1847703 | 1 |
| <i>CDC14C</i> | -0.0736384 | 0.18475007 | 1 |
| <i>CDH8</i> | -0.0736984 | 0.18439163 | 1 |
| <i>MUS81</i> | -0.0737707 | 0.18396028 | 1 |
| <i>GLRA3</i> | -0.0738032 | 0.18376676 | 1 |
| <i>LOC644165</i> | -0.0739457 | 0.1829194 | 1 |
| <i>PSG7</i> | -0.073949 | 0.18289998 | 1 |
| <i>CENPB</i> | -0.0739774 | 0.18273115 | 1 |
| <i>SPAG8</i> | -0.0739973 | 0.18261343 | 1 |
| <i>ZNF442</i> | -0.0740211 | 0.18247215 | 1 |
| <i>C10orf27</i> | -0.074029 | 0.18242567 | 1 |
| <i>AGXT</i> | -0.0740492 | 0.18230571 | 1 |
| <i>LRRC27</i> | -0.0740648 | 0.18221319 | 1 |
| <i>HIGD1C</i> | -0.0741069 | 0.18196407 | 1 |
| <i>ZNF608</i> | -0.0742237 | 0.18127441 | 1 |
| <i>HSD17B8</i> | -0.074234 | 0.1812141 | 1 |
| <i>TAS2R46</i> | -0.0742405 | 0.18117541 | 1 |
| <i>ARSJ</i> | -0.0742624 | 0.18104656 | 1 |
| <i>SNX12</i> | -0.0743097 | 0.18076801 | 1 |
| <i>DGCR11</i> | -0.0743241 | 0.18068326 | 1 |
| <i>IRF2BP1</i> | -0.0743568 | 0.18049105 | 1 |
| <i>C12orf62</i> | -0.0743569 | 0.18049034 | 1 |

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| <i>LYRM5</i> | -0.0743698 | 0.18041484 | 1 |
| <i>C6orf221</i> | -0.0743896 | 0.18029839 | 1 |
| <i>GABARAPL3</i> | -0.0743923 | 0.18028271 | 1 |
| <i>UNC5A</i> | -0.0743986 | 0.18024551 | 1 |
| <i>ZMAT1</i> | -0.0745404 | 0.17941417 | 1 |
| <i>WDR24</i> | -0.0745886 | 0.1791324 | 1 |
| <i>SLC17A3</i> | -0.0746046 | 0.17903892 | 1 |
| <i>PCDHA8</i> | -0.0746972 | 0.17849865 | 1 |
| <i>GNG5</i> | -0.0747924 | 0.17794411 | 1 |
| <i>CCKBR</i> | -0.0748109 | 0.17783644 | 1 |
| <i>C9orf69</i> | -0.0748146 | 0.17781481 | 1 |
| <i>ZNF155</i> | -0.0748194 | 0.17778693 | 1 |
| <i>SHBG</i> | -0.0748793 | 0.17743938 | 1 |
| <i>VN1R1</i> | -0.0749245 | 0.17717682 | 1 |
| <i>ICAM1</i> | -0.075044 | 0.17648532 | 1 |
| <i>SPAM1</i> | -0.0750546 | 0.17642397 | 1 |
| <i>C20orf114</i> | -0.0751214 | 0.1760381 | 1 |
| <i>C3orf50</i> | -0.0751443 | 0.17590577 | 1 |
| <i>OR2AK2</i> | -0.075149 | 0.17587875 | 1 |
| <i>POLI</i> | -0.0751989 | 0.17559141 | 1 |
| <i>OR3A4</i> | -0.0752683 | 0.17519195 | 1 |
| <i>OAT</i> | -0.075379 | 0.17455637 | 1 |
| <i>C14orf147</i> | -0.075431 | 0.17425823 | 1 |
| <i>GBGT1</i> | -0.0754362 | 0.17422849 | 1 |
| <i>ZNF285</i> | -0.0754524 | 0.17413614 | 1 |
| <i>SLC17A2</i> | -0.0755005 | 0.17386063 | 1 |
| <i>RNF141</i> | -0.0755041 | 0.17384017 | 1 |
| <i>TUBB2C</i> | -0.0755354 | 0.1736614 | 1 |
| <i>NT5M</i> | -0.0755355 | 0.17366104 | 1 |
| <i>MTERFD2</i> | -0.0756024 | 0.17327902 | 1 |
| <i>PIP</i> | -0.0756256 | 0.17314652 | 1 |
| <i>MRGPRX3</i> | -0.0756339 | 0.17309914 | 1 |
| <i>POU1F1</i> | -0.0756728 | 0.17287775 | 1 |
| <i>SDR42E1</i> | -0.0757098 | 0.17266714 | 1 |
| <i>DKK3</i> | -0.0757226 | 0.17259474 | 1 |
| <i>C21orf49</i> | -0.0757416 | 0.17248667 | 1 |
| <i>INADL</i> | -0.0757591 | 0.17238722 | 1 |
| <i>KRCC1</i> | -0.0757798 | 0.17226944 | 1 |
| <i>KRT81</i> | -0.0757846 | 0.1722424 | 1 |
| <i>TAAR8</i> | -0.0759071 | 0.1715476 | 1 |
| <i>SEPW1</i> | -0.0759393 | 0.17136572 | 1 |
| <i>BET1L</i> | -0.0759721 | 0.17118028 | 1 |
| <i>BAG2</i> | -0.0759811 | 0.17112934 | 1 |
| <i>FBN3</i> | -0.0760718 | 0.17061768 | 1 |
| <i>CH25H</i> | -0.0761231 | 0.17032869 | 1 |
| <i>DBN1</i> | -0.0761499 | 0.17017762 | 1 |
| <i>WASF3</i> | -0.0761852 | 0.16997882 | 1 |
| <i>USP25</i> | -0.0762516 | 0.16960617 | 1 |
| <i>KCNQ3</i> | -0.0762614 | 0.16955136 | 1 |
| <i>PTHLH</i> | -0.0762642 | 0.16953537 | 1 |
| <i>CYCSP52</i> | -0.0762962 | 0.16935604 | 1 |

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| <i>ZNF233</i> | -0.0763235 | 0.16920275 | 1 |
| <i>PRTG</i> | -0.0764099 | 0.16871966 | 1 |
| <i>DNAI2</i> | -0.0764575 | 0.16845332 | 1 |
| <i>CLPTM1L</i> | -0.0764779 | 0.16833951 | 1 |
| <i>CLEC1B</i> | -0.0765265 | 0.16806834 | 1 |
| <i>WIBG</i> | -0.0765644 | 0.16785749 | 1 |
| <i>OR2B11</i> | -0.0765857 | 0.16773866 | 1 |
| <i>PCDHB16</i> | -0.0765926 | 0.16770052 | 1 |
| <i>RILPL2</i> | -0.0765998 | 0.1676604 | 1 |
| <i>DCTN6</i> | -0.0766899 | 0.16715953 | 1 |
| <i>PRG2</i> | -0.0768259 | 0.16640552 | 1 |
| <i>COL11A2</i> | -0.0768268 | 0.16640095 | 1 |
| <i>C14orf162</i> | -0.0769218 | 0.16587568 | 1 |
| <i>KPNA5</i> | -0.0769259 | 0.16585321 | 1 |
| <i>PPP1R2P1</i> | -0.0769428 | 0.16576004 | 1 |
| <i>RAB41</i> | -0.0769739 | 0.16558856 | 1 |
| <i>RABL3</i> | -0.0770314 | 0.1652714 | 1 |
| <i>HYAL4</i> | -0.0770344 | 0.16525508 | 1 |
| <i>RRAGA</i> | -0.0770675 | 0.16507311 | 1 |
| <i>NCRNA0023</i> | -0.0770831 | 0.16498709 | 1 |
| <i>LOC286359</i> | -0.0771299 | 0.16473 | 1 |
| <i>LOC1001923</i> | -0.0771711 | 0.16450413 | 1 |
| <i>HORMAD2</i> | -0.0772081 | 0.1643013 | 1 |
| <i>RHOV</i> | -0.077217 | 0.16425234 | 1 |
| <i>LOC440040</i> | -0.077258 | 0.16402768 | 1 |
| <i>LOC338588</i> | -0.077261 | 0.16401111 | 1 |
| <i>FAM154A</i> | -0.0772975 | 0.16381171 | 1 |
| <i>RNF7</i> | -0.0773529 | 0.16350871 | 1 |
| <i>GUCY2D</i> | -0.0774077 | 0.16321006 | 1 |
| <i>MCM9</i> | -0.0774111 | 0.16319144 | 1 |
| <i>CDRT15P</i> | -0.0775647 | 0.16235529 | 1 |
| <i>LDB1</i> | -0.0775983 | 0.16217279 | 1 |
| <i>KRTAP13-1</i> | -0.0776107 | 0.16210551 | 1 |
| <i>EP400</i> | -0.0776296 | 0.16200299 | 1 |
| <i>TEX15</i> | -0.077651 | 0.16188735 | 1 |
| <i>METTL7B</i> | -0.0776556 | 0.16186199 | 1 |
| <i>NTNG2</i> | -0.077658 | 0.16184904 | 1 |
| <i>HPCAL1</i> | -0.0776804 | 0.16172792 | 1 |
| <i>SOCS5</i> | -0.0777399 | 0.16140605 | 1 |
| <i>MED29</i> | -0.077747 | 0.16136742 | 1 |
| <i>DMC1</i> | -0.077753 | 0.16133521 | 1 |
| <i>ITLN2</i> | -0.0777533 | 0.16133363 | 1 |
| <i>NKX1-2</i> | -0.077758 | 0.16130818 | 1 |
| <i>CLGN</i> | -0.0777668 | 0.16126064 | 1 |
| <i>C5orf15</i> | -0.0777722 | 0.16123115 | 1 |
| <i>FIBIN</i> | -0.0778206 | 0.16096994 | 1 |
| <i>KIAA1191</i> | -0.0778509 | 0.16080617 | 1 |
| <i>C17orf47</i> | -0.0778973 | 0.16055654 | 1 |
| <i>PROS1</i> | -0.0779868 | 0.16007502 | 1 |
| <i>ACTR2</i> | -0.0780758 | 0.15959696 | 1 |
| <i>TIAM2</i> | -0.0781042 | 0.15944468 | 1 |

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| <i>PPM1F</i> | -0.0781081 | 0.15942398 | 1 |
| <i>SCGB1C1</i> | -0.0781587 | 0.15915275 | 1 |
| <i>DAP</i> | -0.0781808 | 0.1590347 | 1 |
| <i>MARK3</i> | -0.0781903 | 0.15898418 | 1 |
| <i>EIF5</i> | -0.0782249 | 0.15879888 | 1 |
| <i>PPAN-P2RY1</i> | -0.0782704 | 0.15855624 | 1 |
| <i>RBMY1A1</i> | -0.0782715 | 0.15855027 | 1 |
| <i>EML6</i> | -0.0782751 | 0.15853126 | 1 |
| <i>COL2A1</i> | -0.0783644 | 0.15805504 | 1 |
| <i>MCART3P</i> | -0.0783681 | 0.15803529 | 1 |
| <i>WARS</i> | -0.0784012 | 0.1578595 | 1 |
| <i>CPNE6</i> | -0.0784103 | 0.1578108 | 1 |
| <i>? 340602</i> | -0.078418 | 0.15777019 | 1 |
| <i>FAM153C</i> | -0.078419 | 0.15776465 | 1 |
| <i>GPR109A</i> | -0.0784368 | 0.15767034 | 1 |
| <i>PRND</i> | -0.0784459 | 0.15762178 | 1 |
| <i>IKZF4</i> | -0.0784558 | 0.15756927 | 1 |
| <i>ROCK2</i> | -0.0784712 | 0.15748717 | 1 |
| <i>HDGFL1</i> | -0.0784742 | 0.15747159 | 1 |
| <i>PRSSL1</i> | -0.0785833 | 0.15689337 | 1 |
| <i>PIKFYVE</i> | -0.0786076 | 0.15676472 | 1 |
| <i>RBM4B</i> | -0.0786344 | 0.15662284 | 1 |
| <i>SLC45A2</i> | -0.0786609 | 0.15648271 | 1 |
| <i>TGM5</i> | -0.0786819 | 0.15637174 | 1 |
| <i>CHURC1</i> | -0.0788195 | 0.15564646 | 1 |
| <i>SCN1A</i> | -0.0788721 | 0.15537012 | 1 |
| <i>FAM65A</i> | -0.0788922 | 0.15526432 | 1 |
| <i>GRIN2C</i> | -0.0789582 | 0.15491802 | 1 |
| <i>NDUFS3</i> | -0.079031 | 0.15453658 | 1 |
| <i>ATP5SL</i> | -0.079079 | 0.15428583 | 1 |
| <i>TMEM150C</i> | -0.079178 | 0.15376887 | 1 |
| <i>C19orf75</i> | -0.0791896 | 0.15370842 | 1 |
| <i>ZNF85</i> | -0.0792687 | 0.1532965 | 1 |
| <i>DNAJC25</i> | -0.0792803 | 0.15323625 | 1 |
| <i>FHAD1</i> | -0.0793214 | 0.15302254 | 1 |
| <i>RNF5</i> | -0.0793495 | 0.1528767 | 1 |
| <i>GNA12</i> | -0.0793509 | 0.15286918 | 1 |
| <i>ZNF500</i> | -0.0793748 | 0.15274548 | 1 |
| <i>FOXP4</i> | -0.0794039 | 0.15259464 | 1 |
| <i>CCDC62</i> | -0.07944 | 0.15240732 | 1 |
| <i>C21orf63</i> | -0.079459 | 0.15230877 | 1 |
| <i>CLASP1</i> | -0.0794944 | 0.1521261 | 1 |
| <i>FILIP1L</i> | -0.0795412 | 0.15188422 | 1 |
| <i>SNORA58</i> | -0.0795442 | 0.15186861 | 1 |
| <i>REXO1</i> | -0.0796132 | 0.15151268 | 1 |
| <i>MAPKAPK2</i> | -0.0796719 | 0.15121027 | 1 |
| <i>ANXA8L2</i> | -0.0797034 | 0.15104803 | 1 |
| <i>NEIL1</i> | -0.0797678 | 0.15071682 | 1 |
| <i>ATP4A</i> | -0.07977 | 0.15070576 | 1 |
| <i>FAM166B</i> | -0.0798083 | 0.150509 | 1 |
| <i>ITGA9</i> | -0.0798198 | 0.15044986 | 1 |

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| <i>CD80</i> | -0.079825 | 0.15042356 | 1 |
| <i>AFM</i> | -0.0798648 | 0.15021949 | 1 |
| <i>PLEKHG2</i> | -0.0798705 | 0.15019018 | 1 |
| <i>SNORA11E</i> | -0.0799561 | 0.14975233 | 1 |
| <i>TREML4</i> | -0.0799585 | 0.14973996 | 1 |
| <i>GTF3C1</i> | -0.0799783 | 0.14963916 | 1 |
| <i>NINJ1</i> | -0.080031 | 0.14937013 | 1 |
| <i>C17orf102</i> | -0.0801396 | 0.14881683 | 1 |
| <i>ITGB5</i> | -0.0802153 | 0.14843228 | 1 |
| <i>SCGBL</i> | -0.0802217 | 0.14839977 | 1 |
| <i>C1orf101</i> | -0.0802686 | 0.14816165 | 1 |
| <i>HIST2H2BE</i> | -0.0802742 | 0.14813362 | 1 |
| <i>ZIC4</i> | -0.0802769 | 0.14811968 | 1 |
| <i>EGF</i> | -0.0802868 | 0.14806943 | 1 |
| <i>ARIH1</i> | -0.0802878 | 0.14806442 | 1 |
| <i>RSPH1</i> | -0.080402 | 0.14748662 | 1 |
| <i>MAN2C1</i> | -0.0805218 | 0.14688283 | 1 |
| <i>BICD2</i> | -0.0805275 | 0.14685396 | 1 |
| <i>XIST</i> | -0.0805405 | 0.14678871 | 1 |
| <i>NUDT16L1</i> | -0.080548 | 0.14675094 | 1 |
| <i>DDTL</i> | -0.0806765 | 0.14610516 | 1 |
| <i>PKDCC</i> | -0.0806978 | 0.14599843 | 1 |
| <i>FABP12</i> | -0.0807203 | 0.14588592 | 1 |
| <i>VEGFB</i> | -0.080816 | 0.14540696 | 1 |
| <i>? 100130426</i> | -0.0809289 | 0.14484369 | 1 |
| <i>MYL7</i> | -0.080934 | 0.14481797 | 1 |
| <i>GAGE10</i> | -0.0809953 | 0.14451303 | 1 |
| <i>SPINK8</i> | -0.0810001 | 0.14448897 | 1 |
| <i>TKTL1</i> | -0.0810022 | 0.14447885 | 1 |
| <i>ATF3</i> | -0.0810033 | 0.14447315 | 1 |
| <i>TRHR</i> | -0.0810184 | 0.14439827 | 1 |
| <i>PWRN2</i> | -0.0810506 | 0.1442384 | 1 |
| <i>ZNF284</i> | -0.0812901 | 0.14305255 | 1 |
| <i>KBTBD7</i> | -0.081305 | 0.14297902 | 1 |
| <i>IFITM4P</i> | -0.0813771 | 0.14262351 | 1 |
| <i>STK11IP</i> | -0.0813976 | 0.14252253 | 1 |
| <i>ZNF43</i> | -0.0814004 | 0.14250892 | 1 |
| <i>CYP2E1</i> | -0.0814285 | 0.14237064 | 1 |
| <i>TRNP1</i> | -0.0815035 | 0.14200222 | 1 |
| <i>GIGYF2</i> | -0.081529 | 0.14187743 | 1 |
| <i>ASL</i> | -0.0815545 | 0.14175222 | 1 |
| <i>NETO1</i> | -0.0815789 | 0.14163262 | 1 |
| <i>C11orf40</i> | -0.0815986 | 0.14153608 | 1 |
| <i>C17orf64</i> | -0.0816211 | 0.1414262 | 1 |
| <i>HSFX2</i> | -0.0816411 | 0.14132821 | 1 |
| <i>KCNE4</i> | -0.0816432 | 0.14131786 | 1 |
| <i>SRRM2</i> | -0.0816493 | 0.14128823 | 1 |
| <i>TGFBRAP1</i> | -0.0816664 | 0.14120457 | 1 |
| <i>LINGO1</i> | -0.0817 | 0.14104026 | 1 |
| <i>MAP2K7</i> | -0.081804 | 0.14053358 | 1 |
| <i>TPPP3</i> | -0.0819168 | 0.1399849 | 1 |

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| <i>C1orf110</i> | -0.0819555 | 0.13979716 | 1 |
| <i>TBC1D8</i> | -0.0819612 | 0.13976992 | 1 |
| <i>KIR3DP1</i> | -0.082031 | 0.13943141 | 1 |
| <i>? 391343</i> | -0.0820783 | 0.13920282 | 1 |
| <i>NFE2L2</i> | -0.0820938 | 0.1391279 | 1 |
| <i>ACVR1</i> | -0.0821455 | 0.13887848 | 1 |
| <i>FLJ42393</i> | -0.0821925 | 0.13865191 | 1 |
| <i>GPR137B</i> | -0.0822359 | 0.1384428 | 1 |
| <i>TXNL1</i> | -0.0822913 | 0.13817634 | 1 |
| <i>S100A4</i> | -0.0823639 | 0.13782776 | 1 |
| <i>OR52H1</i> | -0.0823765 | 0.13776718 | 1 |
| <i>LOC283999</i> | -0.0824042 | 0.13763449 | 1 |
| <i>GPR161</i> | -0.0824135 | 0.13759014 | 1 |
| <i>DOPEY1</i> | -0.0824737 | 0.13730202 | 1 |
| <i>JUNB</i> | -0.082494 | 0.13720497 | 1 |
| <i>ZNF223</i> | -0.0825416 | 0.1369775 | 1 |
| <i>PPP1CA</i> | -0.0826673 | 0.13637818 | 1 |
| <i>HOXD11</i> | -0.0827489 | 0.13599077 | 1 |
| <i>LOC1001303</i> | -0.082764 | 0.13591901 | 1 |
| <i>ZNF383</i> | -0.0827855 | 0.1358169 | 1 |
| <i>C11orf35</i> | -0.0827897 | 0.13579695 | 1 |
| <i>LSR</i> | -0.0828903 | 0.1353205 | 1 |
| <i>DDI1</i> | -0.0828946 | 0.1353003 | 1 |
| <i>CACNG3</i> | -0.0830193 | 0.13471165 | 1 |
| <i>APOA1</i> | -0.083023 | 0.13469419 | 1 |
| <i>CD97</i> | -0.0830386 | 0.13462051 | 1 |
| <i>ITPRIPL1</i> | -0.0830402 | 0.13461289 | 1 |
| <i>MXRA8</i> | -0.0830967 | 0.13434726 | 1 |
| <i>LOC1001924</i> | -0.0831155 | 0.13425866 | 1 |
| <i>RHPN2</i> | -0.0831424 | 0.13413255 | 1 |
| <i>RPL13AP17</i> | -0.0831741 | 0.13398369 | 1 |
| <i>ADAM22</i> | -0.0832024 | 0.13385075 | 1 |
| <i>GNRHR</i> | -0.0832775 | 0.13349874 | 1 |
| <i>OVCH1</i> | -0.0832887 | 0.13344656 | 1 |
| <i>HFE2</i> | -0.0832895 | 0.13344283 | 1 |
| <i>OR2M4</i> | -0.0833331 | 0.13323869 | 1 |
| <i>KERA</i> | -0.0833911 | 0.13296782 | 1 |
| <i>OXCT2</i> | -0.0833913 | 0.13296723 | 1 |
| <i>MCART1</i> | -0.083402 | 0.13291726 | 1 |
| <i>CAPN8</i> | -0.0834186 | 0.13283968 | 1 |
| <i>L3MBTL2</i> | -0.0834291 | 0.13279068 | 1 |
| <i>SAPS1</i> | -0.083473 | 0.1325864 | 1 |
| <i>RNASE13</i> | -0.0836159 | 0.13192214 | 1 |
| <i>ANXA8L1</i> | -0.0836209 | 0.13189894 | 1 |
| <i>DRD4</i> | -0.0836301 | 0.13185631 | 1 |
| <i>DEDD2</i> | -0.0836335 | 0.13184062 | 1 |
| <i>NAA40</i> | -0.0836751 | 0.13164771 | 1 |
| <i>GNAI3</i> | -0.0836889 | 0.13158389 | 1 |
| <i>MLANA</i> | -0.0836926 | 0.1315668 | 1 |
| <i>FBXW7</i> | -0.0838331 | 0.13091801 | 1 |
| <i>ITPKC</i> | -0.0838334 | 0.13091668 | 1 |

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| <i>ATG7</i> | -0.0838606 | 0.13079107 | 1 |
| <i>GPHA2</i> | -0.0839734 | 0.1302725 | 1 |
| <i>CHIC1</i> | -0.0839996 | 0.13015203 | 1 |
| <i>KIAA0090</i> | -0.0840164 | 0.13007479 | 1 |
| <i>TAS2R8</i> | -0.0840368 | 0.12998118 | 1 |
| <i>SMPX</i> | -0.0840791 | 0.12978767 | 1 |
| <i>TMEM65</i> | -0.0841104 | 0.1296444 | 1 |
| <i>DSC1</i> | -0.0841321 | 0.12954495 | 1 |
| <i>CD24</i> | -0.0842607 | 0.12895796 | 1 |
| <i>IGLON5</i> | -0.084288 | 0.12883378 | 1 |
| <i>MUC6</i> | -0.0843012 | 0.12877357 | 1 |
| <i>C6orf120</i> | -0.084303 | 0.12876554 | 1 |
| <i>RPS27L</i> | -0.0843428 | 0.12858438 | 1 |
| <i>CCR6</i> | -0.0844934 | 0.12790109 | 1 |
| <i>PYGB</i> | -0.0845227 | 0.12776848 | 1 |
| <i>SPDYE6</i> | -0.0846353 | 0.12725981 | 1 |
| <i>ISOC2</i> | -0.0847142 | 0.12690439 | 1 |
| <i>SEMG1</i> | -0.0848079 | 0.1264828 | 1 |
| <i>TP53I11</i> | -0.0848704 | 0.12620285 | 1 |
| <i>FCGR3A</i> | -0.0848827 | 0.12614768 | 1 |
| <i>C10orf46</i> | -0.0849457 | 0.12586541 | 1 |
| <i>SYNPR</i> | -0.0850422 | 0.12543444 | 1 |
| <i>ZNF678</i> | -0.0850611 | 0.12535022 | 1 |
| <i>TRIM44</i> | -0.085097 | 0.12519041 | 1 |
| <i>SCARF2</i> | -0.0851199 | 0.12508852 | 1 |
| <i>ZNF81</i> | -0.0851325 | 0.12503243 | 1 |
| <i>ST7OT2</i> | -0.085184 | 0.12480326 | 1 |
| <i>A4GNT</i> | -0.0851938 | 0.12475985 | 1 |
| <i>ABRA</i> | -0.0852322 | 0.12458935 | 1 |
| <i>LOC149134</i> | -0.08524 | 0.12455472 | 1 |
| <i>DSE</i> | -0.0852726 | 0.12441038 | 1 |
| <i>POM121L10A</i> | -0.0853076 | 0.12425497 | 1 |
| <i>AMY2B</i> | -0.0853513 | 0.12406162 | 1 |
| <i>MRFAP1</i> | -0.0853541 | 0.12404946 | 1 |
| <i>ERRFI1</i> | -0.0854323 | 0.12370388 | 1 |
| <i>GMPR</i> | -0.0854712 | 0.12353264 | 1 |
| <i>PAR1</i> | -0.0855216 | 0.12331039 | 1 |
| <i>FAM172A</i> | -0.0855534 | 0.12317062 | 1 |
| <i>CTCF</i> | -0.0855682 | 0.1231056 | 1 |
| <i>GLTPD2</i> | -0.0855708 | 0.12309386 | 1 |
| <i>FAM47E</i> | -0.0855954 | 0.12298603 | 1 |
| <i>CEP170L</i> | -0.0856773 | 0.12262663 | 1 |
| <i>SBNO2</i> | -0.0857058 | 0.12250199 | 1 |
| <i>HAAO</i> | -0.0857218 | 0.12243185 | 1 |
| <i>ITGA2B</i> | -0.0857871 | 0.12214633 | 1 |
| <i>OR2L8</i> | -0.0858217 | 0.12199488 | 1 |
| <i>SPRED3</i> | -0.0858436 | 0.12189934 | 1 |
| <i>LOC284632</i> | -0.0858596 | 0.12182967 | 1 |
| <i>IRS4</i> | -0.0861336 | 0.12063958 | 1 |
| <i>IKBKE</i> | -0.0861451 | 0.12059 | 1 |
| <i>LTBP2</i> | -0.0861793 | 0.12044204 | 1 |

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| <i>HSH2D</i> | -0.0861838 | 0.12042254 | 1 |
| <i>ZNF426</i> | -0.0861906 | 0.12039294 | 1 |
| <i>SNORD116-4</i> | -0.0862258 | 0.12024095 | 1 |
| <i>C18orf26</i> | -0.08625 | 0.12013667 | 1 |
| <i>SNTA1</i> | -0.0863253 | 0.1198123 | 1 |
| <i>ACOT6</i> | -0.0863775 | 0.11958767 | 1 |
| <i>PCDHGA10</i> | -0.0864206 | 0.11940273 | 1 |
| <i>HIST1H4J</i> | -0.0864756 | 0.1191669 | 1 |
| <i>ABCC11</i> | -0.0864789 | 0.11915257 | 1 |
| <i>LIPN</i> | -0.0865165 | 0.11899145 | 1 |
| <i>RPS6KA6</i> | -0.0865374 | 0.11890209 | 1 |
| <i>FBXO9</i> | -0.0865565 | 0.11882049 | 1 |
| <i>FAM18B2</i> | -0.0865621 | 0.11879659 | 1 |
| <i>PSMD2</i> | -0.0865792 | 0.11872334 | 1 |
| <i>RNF26</i> | -0.0865855 | 0.11869651 | 1 |
| <i>C21orf91</i> | -0.0867651 | 0.11793115 | 1 |
| <i>DGCR6L</i> | -0.0867867 | 0.11783938 | 1 |
| <i>NEAT1</i> | -0.086788 | 0.11783369 | 1 |
| <i>GPR39</i> | -0.0868798 | 0.11744402 | 1 |
| <i>FASTKD5</i> | -0.0869785 | 0.11702668 | 1 |
| <i>SH3TC1</i> | -0.0870363 | 0.11678248 | 1 |
| <i>MST1R</i> | -0.0870724 | 0.11663043 | 1 |
| <i>SYT16</i> | -0.0871049 | 0.1164934 | 1 |
| <i>ZNF554</i> | -0.0871302 | 0.11638689 | 1 |
| <i>PI3</i> | -0.0871728 | 0.11620779 | 1 |
| <i>LOC285033</i> | -0.0872417 | 0.11591862 | 1 |
| <i>RNMT</i> | -0.0872507 | 0.1158808 | 1 |
| <i>ALX4</i> | -0.0872908 | 0.11571286 | 1 |
| <i>GDEP</i> | -0.0872963 | 0.11568952 | 1 |
| <i>SLC10A7</i> | -0.0872967 | 0.11568795 | 1 |
| <i>PICK1</i> | -0.0873028 | 0.11566237 | 1 |
| <i>CNFN</i> | -0.0873069 | 0.11564536 | 1 |
| <i>PCCA</i> | -0.0873087 | 0.11563762 | 1 |
| <i>TMEM86B</i> | -0.0873302 | 0.11554792 | 1 |
| <i>OAZ3</i> | -0.0873415 | 0.1155004 | 1 |
| <i>SAMD5</i> | -0.0874551 | 0.11502619 | 1 |
| <i>MRPL34</i> | -0.0874993 | 0.11484207 | 1 |
| <i>PPP2R4</i> | -0.087542 | 0.11466408 | 1 |
| <i>C4orf26</i> | -0.0875518 | 0.11462343 | 1 |
| <i>SCYL3</i> | -0.0875805 | 0.11450406 | 1 |
| <i>S100A1</i> | -0.0876257 | 0.11431648 | 1 |
| <i>LOC730811</i> | -0.0876836 | 0.11407653 | 1 |
| <i>GPR114</i> | -0.0877166 | 0.11394006 | 1 |
| <i>UBXN7</i> | -0.0878647 | 0.11332836 | 1 |
| <i>FCAR</i> | -0.0878675 | 0.11331696 | 1 |
| <i>IQCG</i> | -0.0879349 | 0.11303959 | 1 |
| <i>SFRS4</i> | -0.0879495 | 0.11297931 | 1 |
| <i>GP5</i> | -0.087976 | 0.1128703 | 1 |
| <i>ICAM5</i> | -0.0882224 | 0.11186196 | 1 |
| <i>LOC150381</i> | -0.0882726 | 0.1116574 | 1 |
| <i>NR2E3</i> | -0.0882803 | 0.1116258 | 1 |

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| <i>GLYCAM1</i> | -0.088367 | 0.11127321 | 1 |
| <i>EPS15L1</i> | -0.0883671 | 0.11127285 | 1 |
| <i>CHIC2</i> | -0.0884133 | 0.11108526 | 1 |
| <i>PRSS27</i> | -0.088496 | 0.11075012 | 1 |
| <i>BGLAP</i> | -0.0884981 | 0.11074182 | 1 |
| <i>KIAA0892</i> | -0.0885244 | 0.11063552 | 1 |
| <i>PTGS2</i> | -0.0885315 | 0.11060672 | 1 |
| <i>CETP</i> | -0.088591 | 0.11036641 | 1 |
| <i>AKR1D1</i> | -0.0886502 | 0.11012752 | 1 |
| <i>PPP1R2P9</i> | -0.0886594 | 0.11009056 | 1 |
| <i>PPP1CC</i> | -0.0886635 | 0.11007389 | 1 |
| <i>TMEM167A</i> | -0.0886833 | 0.10999435 | 1 |
| <i>C3orf20</i> | -0.0887584 | 0.10969217 | 1 |
| <i>ZNF136</i> | -0.0887983 | 0.10953201 | 1 |
| <i>OR8D4</i> | -0.0888435 | 0.1093508 | 1 |
| <i>ZNF75A</i> | -0.0888845 | 0.10918689 | 1 |
| <i>ZFP28</i> | -0.0888923 | 0.10915558 | 1 |
| <i>SPIN2A</i> | -0.0889083 | 0.10909146 | 1 |
| <i>HCP5</i> | -0.0889515 | 0.108919 | 1 |
| <i>ASIP</i> | -0.0889598 | 0.10888589 | 1 |
| <i>OR4N5</i> | -0.088969 | 0.10884894 | 1 |
| <i>GSTA5</i> | -0.088969 | 0.10884894 | 1 |
| <i>SLC25A28</i> | -0.0890095 | 0.10868744 | 1 |
| <i>LOC1001336</i> | -0.0890344 | 0.10858815 | 1 |
| <i>SOCS3</i> | -0.0891058 | 0.10830402 | 1 |
| <i>OR2A7</i> | -0.089106 | 0.10830326 | 1 |
| <i>RASSF9</i> | -0.089159 | 0.1080927 | 1 |
| <i>BLZF1</i> | -0.0891774 | 0.10801939 | 1 |
| <i>SCT</i> | -0.0892398 | 0.10777212 | 1 |
| <i>6-Mar</i> | -0.089275 | 0.10763298 | 1 |
| <i>ANXA13</i> | -0.0892915 | 0.10756749 | 1 |
| <i>ADAM15</i> | -0.0893917 | 0.10717195 | 1 |
| <i>NCRNA0015</i> | -0.0893942 | 0.10716209 | 1 |
| <i>CHST13</i> | -0.0894351 | 0.10700095 | 1 |
| <i>C1orf220</i> | -0.0894408 | 0.10697824 | 1 |
| <i>SNTG1</i> | -0.0894772 | 0.1068349 | 1 |
| <i>ZNF404</i> | -0.0895346 | 0.1066095 | 1 |
| <i>ZNF547</i> | -0.0895515 | 0.10654313 | 1 |
| <i>HOXA7</i> | -0.0896365 | 0.10620963 | 1 |
| <i>ANKRD57</i> | -0.0897095 | 0.10592433 | 1 |
| <i>PRB4</i> | -0.0897343 | 0.10582733 | 1 |
| <i>CPA1</i> | -0.0898028 | 0.10556007 | 1 |
| <i>DCT</i> | -0.0898634 | 0.1053243 | 1 |
| <i>TBX22</i> | -0.0899284 | 0.10507182 | 1 |
| <i>C1orf100</i> | -0.0899431 | 0.10501469 | 1 |
| <i>LAPTM4A</i> | -0.0899448 | 0.10500794 | 1 |
| <i>C19orf57</i> | -0.0899539 | 0.10497271 | 1 |
| <i>FAM183B</i> | -0.0899747 | 0.10489204 | 1 |
| <i>KCNG4</i> | -0.0899992 | 0.10479727 | 1 |
| <i>ADAM9</i> | -0.0900284 | 0.10468398 | 1 |
| <i>C1orf49</i> | -0.0900832 | 0.10447195 | 1 |

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| <i>TNKS2</i> | -0.0901209 | 0.10432636 | 1 |
| <i>EXOC3L</i> | -0.0901302 | 0.10429052 | 1 |
| <i>ODF3L1</i> | -0.0901548 | 0.10419576 | 1 |
| <i>OR7E91P</i> | -0.0901715 | 0.1041313 | 1 |
| <i>OR2L2</i> | -0.090221 | 0.10394036 | 1 |
| <i>ZMYND11</i> | -0.0902215 | 0.10393845 | 1 |
| <i>APH1A</i> | -0.0902544 | 0.10381194 | 1 |
| <i>SEPN1</i> | -0.090294 | 0.10365997 | 1 |
| <i>LOC646498</i> | -0.0902996 | 0.1036382 | 1 |
| <i>GJD4</i> | -0.0903214 | 0.10355473 | 1 |
| <i>LRRC41</i> | -0.090324 | 0.10354444 | 1 |
| <i>HCFC1</i> | -0.0903793 | 0.10333248 | 1 |
| <i>SFRS2B</i> | -0.0903926 | 0.10328166 | 1 |
| <i>VNN1</i> | -0.0904216 | 0.10317067 | 1 |
| <i>C6orf118</i> | -0.0904875 | 0.10291865 | 1 |
| <i>CARD17</i> | -0.0904983 | 0.10287745 | 1 |
| <i>FAR1</i> | -0.0905294 | 0.10275875 | 1 |
| <i>NCRNA0008</i> | -0.0905656 | 0.10262048 | 1 |
| <i>COL16A1</i> | -0.0905692 | 0.10260687 | 1 |
| <i>SLC26A8</i> | -0.0905784 | 0.10257187 | 1 |
| <i>GLYR1</i> | -0.0905928 | 0.10251718 | 1 |
| <i>TMEM200C</i> | -0.0906806 | 0.10218318 | 1 |
| <i>SPIRE1</i> | -0.0906969 | 0.10212122 | 1 |
| <i>HAO1</i> | -0.0907007 | 0.10210693 | 1 |
| <i>FLJ45079</i> | -0.0907553 | 0.10189975 | 1 |
| <i>DKKL1</i> | -0.0907645 | 0.10186481 | 1 |
| <i>TBC1D3G</i> | -0.0907994 | 0.10173291 | 1 |
| <i>SLC22A16</i> | -0.0908341 | 0.10160156 | 1 |
| <i>GREM1</i> | -0.0908489 | 0.10154559 | 1 |
| <i>NPHS1</i> | -0.0908637 | 0.10148982 | 1 |
| <i>SCARNA17</i> | -0.0908874 | 0.1014 | 1 |
| <i>SMTNL1</i> | -0.0909489 | 0.10116814 | 1 |
| <i>RPL23AP53</i> | -0.0909984 | 0.10098175 | 1 |
| <i>AGBL1</i> | -0.0910046 | 0.10095865 | 1 |
| <i>ZNF224</i> | -0.0910777 | 0.10068395 | 1 |
| <i>C2orf79</i> | -0.0911146 | 0.10054546 | 1 |
| <i>SFRS2IP</i> | -0.0912862 | 0.09990354 | 1 |
| <i>PPP1R14D</i> | -0.091325 | 0.09975875 | 1 |
| <i>CDK11A</i> | -0.0913782 | 0.09956097 | 1 |
| <i>BMP15</i> | -0.0914688 | 0.09922419 | 1 |
| <i>KIAA0087</i> | -0.0915423 | 0.09895181 | 1 |
| <i>C16orf74</i> | -0.0915761 | 0.09882679 | 1 |
| <i>NUP214</i> | -0.0916047 | 0.09872086 | 1 |
| <i>CTH</i> | -0.0916212 | 0.09866015 | 1 |
| <i>HIST3H3</i> | -0.0916313 | 0.09862262 | 1 |
| <i>ZNF460</i> | -0.0916762 | 0.09845702 | 1 |
| <i>PPARG</i> | -0.0916769 | 0.09845456 | 1 |
| <i>STRN</i> | -0.0917202 | 0.09829476 | 1 |
| <i>TSTD1</i> | -0.0918314 | 0.0978861 | 1 |
| <i>WNT9B</i> | -0.0919133 | 0.09758592 | 1 |
| <i>ICA1L</i> | -0.0919326 | 0.09751536 | 1 |

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| <i>EPS8L3</i> | -0.0919852 | 0.0973227 | 1 |
| <i>GABRQ</i> | -0.0920495 | 0.09708833 | 1 |
| <i>HEATR6</i> | -0.0920552 | 0.09706748 | 1 |
| <i>RBP3</i> | -0.0920902 | 0.09693982 | 1 |
| <i>SEMA7A</i> | -0.092107 | 0.09687882 | 1 |
| <i>SMAD5OS</i> | -0.0921269 | 0.09680637 | 1 |
| <i>HTRA1</i> | -0.0921324 | 0.09678616 | 1 |
| <i>C12orf56</i> | -0.0921939 | 0.09656266 | 1 |
| <i>HIST1H3C</i> | -0.0922129 | 0.09649369 | 1 |
| <i>POM121L1P</i> | -0.0922839 | 0.0962364 | 1 |
| <i>PROK2</i> | -0.0923044 | 0.09616209 | 1 |
| <i>C7orf16</i> | -0.0925721 | 0.09519725 | 1 |
| <i>FAM194B</i> | -0.0926048 | 0.09507989 | 1 |
| <i>XKR7</i> | -0.0926097 | 0.09506213 | 1 |
| <i>CACHD1</i> | -0.0926154 | 0.09504199 | 1 |
| <i>KCNJ13</i> | -0.0926179 | 0.09503294 | 1 |
| <i>NICN1</i> | -0.0926195 | 0.09502703 | 1 |
| <i>PAM</i> | -0.0926241 | 0.09501061 | 1 |
| <i>TINAGL1</i> | -0.0926516 | 0.09491217 | 1 |
| <i>PACS2</i> | -0.0926643 | 0.09486662 | 1 |
| <i>UBXN10</i> | -0.0926707 | 0.09484362 | 1 |
| <i>LALBA</i> | -0.0927205 | 0.0946657 | 1 |
| <i>OR52B4</i> | -0.0927258 | 0.09464681 | 1 |
| <i>RNF17</i> | -0.0927341 | 0.09461696 | 1 |
| <i>FLJ12825</i> | -0.0927383 | 0.09460199 | 1 |
| <i>CHST1</i> | -0.0927628 | 0.09451459 | 1 |
| <i>RLN3</i> | -0.0927831 | 0.09444226 | 1 |
| <i>TAS2R3</i> | -0.0928311 | 0.09427111 | 1 |
| <i>PAX1</i> | -0.0928583 | 0.09417424 | 1 |
| <i>TSPAN17</i> | -0.0929378 | 0.0938914 | 1 |
| <i>GGNBP2</i> | -0.0929956 | 0.09368637 | 1 |
| <i>LMF1</i> | -0.0929961 | 0.0936848 | 1 |
| <i>PIGB</i> | -0.0930136 | 0.09362261 | 1 |
| <i>KLHDC8A</i> | -0.0930422 | 0.09352139 | 1 |
| <i>TTY9B</i> | -0.0931863 | 0.09301246 | 1 |
| <i>C21orf62</i> | -0.0933716 | 0.09236131 | 1 |
| <i>TANK</i> | -0.0933809 | 0.09232888 | 1 |
| <i>LOC285830</i> | -0.0933862 | 0.09231019 | 1 |
| <i>GABRR3</i> | -0.0934062 | 0.09224008 | 1 |
| <i>RBL2</i> | -0.0934136 | 0.09221435 | 1 |
| <i>ACPP</i> | -0.0934839 | 0.09196844 | 1 |
| <i>CD82</i> | -0.0935518 | 0.09173152 | 1 |
| <i>STXBP4</i> | -0.0935577 | 0.091711 | 1 |
| <i>UPF0639</i> | -0.0935972 | 0.09157359 | 1 |
| <i>GBP7</i> | -0.0936155 | 0.09150967 | 1 |
| <i>CELF3</i> | -0.0936316 | 0.09145385 | 1 |
| <i>TREML2</i> | -0.0937026 | 0.09120712 | 1 |
| <i>C14orf178</i> | -0.0937293 | 0.09111452 | 1 |
| <i>CRKL</i> | -0.0938041 | 0.09085553 | 1 |
| <i>MAP2K3</i> | -0.0938932 | 0.09054793 | 1 |
| <i>IL1F6</i> | -0.0939782 | 0.09025504 | 1 |

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| <i>PIGO</i> | -0.0939921 | 0.0902071 | 1 |
| <i>KRT5</i> | -0.094039 | 0.09004606 | 1 |
| <i>HOXB4</i> | -0.0940734 | 0.08992801 | 1 |
| <i>LOC222699</i> | -0.0941282 | 0.08974019 | 1 |
| <i>IQCA1</i> | -0.094202 | 0.08948764 | 1 |
| <i>MMP21</i> | -0.0942179 | 0.08943348 | 1 |
| <i>ZNF333</i> | -0.094262 | 0.08928275 | 1 |
| <i>KRTAP17-1</i> | -0.0943636 | 0.08893684 | 1 |
| <i>PHLDA3</i> | -0.0943683 | 0.0889211 | 1 |
| <i>SGCZ</i> | -0.0943765 | 0.08889313 | 1 |
| <i>FMO1</i> | -0.0943844 | 0.08886636 | 1 |
| <i>KRTAP13-4</i> | -0.0944313 | 0.08870707 | 1 |
| <i>LOC1001308</i> | -0.0944481 | 0.08865017 | 1 |
| <i>COPS4</i> | -0.0944566 | 0.08862128 | 1 |
| <i>NEU2</i> | -0.0945043 | 0.08845973 | 1 |
| <i>MTMR9L</i> | -0.0945578 | 0.08827877 | 1 |
| <i>RUFY1</i> | -0.0946565 | 0.08794561 | 1 |
| <i>LAMA5</i> | -0.09473 | 0.08769813 | 1 |
| <i>NRXN3</i> | -0.0947384 | 0.0876698 | 1 |
| <i>C5orf35</i> | -0.0947388 | 0.08766867 | 1 |
| <i>IPW</i> | -0.0947597 | 0.08759849 | 1 |
| <i>DNAJA4</i> | -0.094808 | 0.08743612 | 1 |
| <i>FSD1</i> | -0.0948105 | 0.08742799 | 1 |
| <i>CCDC39</i> | -0.0948351 | 0.08734524 | 1 |
| <i>SSPO</i> | -0.0948354 | 0.08734428 | 1 |
| <i>TAS1R2</i> | -0.0948544 | 0.08728085 | 1 |
| <i>SPPL2B</i> | -0.0949635 | 0.08691605 | 1 |
| <i>HOXD9</i> | -0.0949688 | 0.08689813 | 1 |
| <i>ZNF222</i> | -0.095043 | 0.08665091 | 1 |
| <i>DSTN</i> | -0.095087 | 0.08650465 | 1 |
| <i>C6orf164</i> | -0.0951315 | 0.08635668 | 1 |
| <i>RAB31</i> | -0.095133 | 0.08635162 | 1 |
| <i>CDIPT</i> | -0.0951612 | 0.08625813 | 1 |
| <i>GTF2A1L</i> | -0.0951783 | 0.08620154 | 1 |
| <i>BCL7B</i> | -0.0951847 | 0.08618014 | 1 |
| <i>PCDHGB8P</i> | -0.0952007 | 0.08612699 | 1 |
| <i>SAP30BP</i> | -0.095227 | 0.08604007 | 1 |
| <i>CREG2</i> | -0.0952917 | 0.0858262 | 1 |
| <i>RNF20</i> | -0.095348 | 0.08564015 | 1 |
| <i>EDA</i> | -0.0953552 | 0.08561659 | 1 |
| <i>NMUR2</i> | -0.0953763 | 0.08554693 | 1 |
| <i>SLC31A1</i> | -0.0954707 | 0.08523625 | 1 |
| <i>NDUFB8</i> | -0.0954741 | 0.08522514 | 1 |
| <i>ZNF99</i> | -0.0954834 | 0.08519438 | 1 |
| <i>C15orf27</i> | -0.0955369 | 0.08501898 | 1 |
| <i>ALDH1L2</i> | -0.0955471 | 0.08498554 | 1 |
| <i>ADAM21P1</i> | -0.0955741 | 0.08489714 | 1 |
| <i>JMY</i> | -0.0955833 | 0.08486682 | 1 |
| <i>?1652919</i> | -0.0955918 | 0.08483895 | 1 |
| <i>GAPVD1</i> | -0.0956558 | 0.08462988 | 1 |
| <i>ZNF646</i> | -0.0956636 | 0.08460442 | 1 |

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| <i>ADCY1</i> | -0.0957028 | 0.08447643 | 1 |
| <i>TMEM134</i> | -0.0957834 | 0.08421388 | 1 |
| <i>C3orf74</i> | -0.0958246 | 0.08407987 | 1 |
| <i>FLJ37453</i> | -0.0958946 | 0.0838524 | 1 |
| <i>RHOB</i> | -0.0959077 | 0.08381008 | 1 |
| <i>C12orf42</i> | -0.0959302 | 0.08373707 | 1 |
| <i>ZNF329</i> | -0.0959707 | 0.08360595 | 1 |
| <i>TFPI2</i> | -0.0961134 | 0.08314555 | 1 |
| <i>MTSS1L</i> | -0.0963518 | 0.08238057 | 1 |
| <i>WBP5</i> | -0.0963624 | 0.08234649 | 1 |
| <i>COX4I1</i> | -0.0963745 | 0.08230794 | 1 |
| <i>PIAS3</i> | -0.0964762 | 0.0819835 | 1 |
| <i>RMST</i> | -0.0965494 | 0.0817507 | 1 |
| <i>STAT1</i> | -0.0967651 | 0.08106771 | 1 |
| <i>AHSP</i> | -0.0967965 | 0.08096869 | 1 |
| <i>SHROOM1</i> | -0.0968364 | 0.08084294 | 1 |
| <i>FAM127B</i> | -0.0968441 | 0.08081862 | 1 |
| <i>OR2T4</i> | -0.0968785 | 0.08071052 | 1 |
| <i>APOC4</i> | -0.0969724 | 0.08041575 | 1 |
| <i>CN5H6.4</i> | -0.0969858 | 0.08037366 | 1 |
| <i>CYP1A2</i> | -0.0970283 | 0.08024061 | 1 |
| <i>VWC2L</i> | -0.0970623 | 0.08013436 | 1 |
| <i>HDX</i> | -0.0971316 | 0.07991797 | 1 |
| <i>C10orf10</i> | -0.0971405 | 0.07989009 | 1 |
| <i>DHX32</i> | -0.0972088 | 0.07967715 | 1 |
| <i>OR1N2</i> | -0.097212 | 0.07966738 | 1 |
| <i>AMZ1</i> | -0.0972193 | 0.07964455 | 1 |
| <i>TLL8</i> | -0.0972764 | 0.07946714 | 1 |
| <i>LRRC32</i> | -0.0973344 | 0.0792871 | 1 |
| <i>FSCN1</i> | -0.0973885 | 0.07911975 | 1 |
| <i>CYP2D6</i> | -0.0974204 | 0.07902097 | 1 |
| <i>ID4</i> | -0.097455 | 0.07891403 | 1 |
| <i>C6orf52</i> | -0.0975002 | 0.0787747 | 1 |
| <i>ARSI</i> | -0.0975551 | 0.07860558 | 1 |
| <i>INPP4B</i> | -0.097604 | 0.07845527 | 1 |
| <i>BPY2</i> | -0.0978608 | 0.0776692 | 1 |
| <i>TTC21A</i> | -0.0979072 | 0.0775278 | 1 |
| <i>LOC643923</i> | -0.0980237 | 0.07717384 | 1 |
| <i>KCTD18</i> | -0.0980368 | 0.07713417 | 1 |
| <i>LCNL1</i> | -0.0981998 | 0.07664142 | 1 |
| <i>RFPL3S</i> | -0.0983387 | 0.07622357 | 1 |
| <i>IER3IP1</i> | -0.0983598 | 0.07616014 | 1 |
| <i>VSX1</i> | -0.0983878 | 0.07607631 | 1 |
| <i>BCL2L14</i> | -0.0983989 | 0.07604291 | 1 |
| <i>MLLT4</i> | -0.0984013 | 0.07603572 | 1 |
| <i>OR3A1</i> | -0.0984342 | 0.07593739 | 1 |
| <i>C2orf77</i> | -0.0984786 | 0.07580451 | 1 |
| <i>FAM9C</i> | -0.0984852 | 0.07578469 | 1 |
| <i>SOST</i> | -0.098489 | 0.0757734 | 1 |
| <i>IQCF6</i> | -0.0985419 | 0.0756156 | 1 |
| <i>OR56A5</i> | -0.0985837 | 0.07549085 | 1 |

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| <i>LOC653786</i> | -0.0986171 | 0.07539137 | 1 |
| <i>PRR18</i> | -0.0986229 | 0.07537427 | 1 |
| <i>FOXD4L3</i> | -0.0986506 | 0.07529181 | 1 |
| <i>OR7D2</i> | -0.0986519 | 0.07528798 | 1 |
| <i>C10orf99</i> | -0.0987474 | 0.07500453 | 1 |
| <i>PPCS</i> | -0.0987683 | 0.07494263 | 1 |
| <i>TECTB</i> | -0.0987873 | 0.07488637 | 1 |
| <i>ACTB</i> | -0.0988043 | 0.07483606 | 1 |
| <i>OSCAR</i> | -0.0988599 | 0.07467183 | 1 |
| <i>ANKRD29</i> | -0.0988887 | 0.07458693 | 1 |
| <i>FLJ13224</i> | -0.0989997 | 0.07426 | 1 |
| <i>RNASE8</i> | -0.0991109 | 0.073934 | 1 |
| <i>FBXO30</i> | -0.0991344 | 0.07386518 | 1 |
| <i>LRIG1</i> | -0.0992505 | 0.07352602 | 1 |
| <i>TMEM38A</i> | -0.0993819 | 0.07314383 | 1 |
| <i>HRASLS</i> | -0.0994164 | 0.07304357 | 1 |
| <i>DHCR24</i> | -0.0994658 | 0.07290036 | 1 |
| <i>LOC284233</i> | -0.0995174 | 0.07275115 | 1 |
| <i>FAM89B</i> | -0.0995296 | 0.07271595 | 1 |
| <i>KEL</i> | -0.0995375 | 0.072693 | 1 |
| <i>KIAA1310</i> | -0.0995401 | 0.07268553 | 1 |
| <i>TRIM31</i> | -0.0995763 | 0.07258108 | 1 |
| <i>SPRYD4</i> | -0.0995856 | 0.0725543 | 1 |
| <i>ZNF365</i> | -0.0997263 | 0.07214957 | 1 |
| <i>PAPOLB</i> | -0.0998071 | 0.0719179 | 1 |
| <i>MMP23A</i> | -0.0998982 | 0.07165736 | 1 |
| <i>HCG22</i> | -0.0999112 | 0.07162022 | 1 |
| <i>GEM</i> | -0.0999764 | 0.07143449 | 1 |
| <i>ENPP7</i> | -0.0999941 | 0.07138387 | 1 |
| <i>HCRTR1</i> | -0.1000268 | 0.07129097 | 1 |
| <i>LRRC50</i> | -0.1000362 | 0.07126422 | 1 |
| <i>C21orf96</i> | -0.1000378 | 0.07125961 | 1 |
| <i>SFXN5</i> | -0.1001535 | 0.07093159 | 1 |
| <i>SGK3</i> | -0.1002425 | 0.07068001 | 1 |
| <i>CRLF2</i> | -0.1002962 | 0.07052839 | 1 |
| <i>ADCK4</i> | -0.1003713 | 0.07031697 | 1 |
| <i>CBR3</i> | -0.1003755 | 0.07030515 | 1 |
| <i>LOXL1</i> | -0.1004145 | 0.07019576 | 1 |
| <i>SYVN1</i> | -0.1004195 | 0.07018167 | 1 |
| <i>PLGLB2</i> | -0.1004372 | 0.0701319 | 1 |
| <i>LOC1000096</i> | -0.1004704 | 0.07003888 | 1 |
| <i>RNF4</i> | -0.1005841 | 0.069721 | 1 |
| <i>SSH3</i> | -0.1006148 | 0.06963527 | 1 |
| <i>CFHR2</i> | -0.10067 | 0.06948136 | 1 |
| <i>GLCCI1</i> | -0.1007123 | 0.06936365 | 1 |
| <i>ARHGAP4</i> | -0.1007524 | 0.06925229 | 1 |
| <i>PAQR6</i> | -0.1007735 | 0.06919372 | 1 |
| <i>HAP1</i> | -0.1007785 | 0.06917993 | 1 |
| <i>TMEM8B</i> | -0.1007998 | 0.06912086 | 1 |
| <i>LOC148145</i> | -0.1008047 | 0.06910733 | 1 |
| <i>DOK5</i> | -0.1008632 | 0.06894533 | 1 |

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| <i>YBX2</i> | -0.1008969 | 0.06885224 | 1 |
| <i>C2orf68</i> | -0.1009002 | 0.06884305 | 1 |
| <i>NAGLU</i> | -0.1009128 | 0.06880829 | 1 |
| <i>ZIC3</i> | -0.1009578 | 0.06868396 | 1 |
| <i>LOC648740</i> | -0.1009901 | 0.06859507 | 1 |
| <i>CCDC134</i> | -0.1010564 | 0.06841254 | 1 |
| <i>MYO16</i> | -0.1011388 | 0.06818644 | 1 |
| <i>PDZK1</i> | -0.1011802 | 0.06807288 | 1 |
| <i>C5orf36</i> | -0.1011868 | 0.06805479 | 1 |
| <i>SCAF1</i> | -0.1012168 | 0.06797269 | 1 |
| <i>ELP2P</i> | -0.1013453 | 0.06762208 | 1 |
| <i>LEPREL2</i> | -0.1013661 | 0.06756555 | 1 |
| <i>C1orf187</i> | -0.1014088 | 0.06744941 | 1 |
| <i>LOC339290</i> | -0.1014112 | 0.06744294 | 1 |
| <i>SH3GLB2</i> | -0.101413 | 0.06743813 | 1 |
| <i>AKR1A1</i> | -0.1014559 | 0.06732147 | 1 |
| <i>ELF2</i> | -0.1014592 | 0.06731276 | 1 |
| <i>AGXT2L1</i> | -0.1014951 | 0.06721529 | 1 |
| <i>C22orf42</i> | -0.1015397 | 0.0670947 | 1 |
| <i>C1orf203</i> | -0.101563 | 0.06703159 | 1 |
| <i>TP53TG5</i> | -0.1016598 | 0.06677017 | 1 |
| <i>KRT28</i> | -0.1016957 | 0.06667372 | 1 |
| <i>DMWD</i> | -0.1018482 | 0.06626427 | 1 |
| <i>SLC14A1</i> | -0.1018602 | 0.06623215 | 1 |
| <i>MRPL42P5</i> | -0.1019284 | 0.06604984 | 1 |
| <i>BCL2L10</i> | -0.1019526 | 0.06598513 | 1 |
| <i>PAX8</i> | -0.1021413 | 0.06548323 | 1 |
| <i>LOC157627</i> | -0.102174 | 0.0653965 | 1 |
| <i>RAI1</i> | -0.1021972 | 0.06533501 | 1 |
| <i>RIPPLY2</i> | -0.1022522 | 0.06518966 | 1 |
| <i>SH3RF3</i> | -0.1022627 | 0.06516195 | 1 |
| <i>HYDIN</i> | -0.1022846 | 0.06510397 | 1 |
| <i>DGAT1</i> | -0.1023012 | 0.06506019 | 1 |
| <i>LOC374443</i> | -0.1023329 | 0.06497674 | 1 |
| <i>C13orf39</i> | -0.1023662 | 0.0648888 | 1 |
| <i>OBSL1</i> | -0.1024454 | 0.06468078 | 1 |
| <i>KIF21A</i> | -0.1024502 | 0.06466818 | 1 |
| <i>NUP210L</i> | -0.1024563 | 0.06465218 | 1 |
| <i>C6orf138</i> | -0.1025438 | 0.06442279 | 1 |
| <i>OR5B21</i> | -0.1026664 | 0.06410277 | 1 |
| <i>BET3L</i> | -0.1027634 | 0.06385043 | 1 |
| <i>SOSTDC1</i> | -0.1028129 | 0.06372173 | 1 |
| <i>ITGAV</i> | -0.1028387 | 0.06365485 | 1 |
| <i>NT5C</i> | -0.1028485 | 0.06362951 | 1 |
| <i>TMEM80</i> | -0.1028566 | 0.06360872 | 1 |
| <i>BRWD1</i> | -0.1028958 | 0.06350719 | 1 |
| <i>SNX4</i> | -0.1031306 | 0.06290244 | 1 |
| <i>CCIN</i> | -0.103135 | 0.06289112 | 1 |
| <i>SAMD13</i> | -0.1031585 | 0.0628308 | 1 |
| <i>MAPK12</i> | -0.1031875 | 0.06275659 | 1 |
| <i>BCL2A1</i> | -0.1032305 | 0.06264649 | 1 |

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| <i>SOD3</i> | -0.1032598 | 0.06257147 | 1 |
| <i>CRYBB2</i> | -0.1033733 | 0.06228223 | 1 |
| <i>MTNR1B</i> | -0.1033743 | 0.06227954 | 1 |
| <i>DET1</i> | -0.1033745 | 0.06227924 | 1 |
| <i>PUM1</i> | -0.1033791 | 0.06226729 | 1 |
| <i>AURKAIP1</i> | -0.1034599 | 0.06206206 | 1 |
| <i>VAX2</i> | -0.1034752 | 0.06202337 | 1 |
| <i>FZD7</i> | -0.1034889 | 0.06198851 | 1 |
| <i>IFT27</i> | -0.103583 | 0.06175029 | 1 |
| <i>UPF1</i> | -0.1035952 | 0.0617195 | 1 |
| <i>AACS</i> | -0.1036101 | 0.06168192 | 1 |
| <i>SFMBT1</i> | -0.1036511 | 0.06157845 | 1 |
| <i>GK</i> | -0.103742 | 0.0613496 | 1 |
| <i>CNGA4</i> | -0.1039898 | 0.06072934 | 1 |
| <i>TACR3</i> | -0.1040365 | 0.06061316 | 1 |
| <i>C12orf40</i> | -0.1041143 | 0.06041984 | 1 |
| <i>SRRM3</i> | -0.1041234 | 0.0603971 | 1 |
| <i>SCGB2A2</i> | -0.10416 | 0.06030644 | 1 |
| <i>COPB2</i> | -0.1042642 | 0.06004874 | 1 |
| <i>AIM1L</i> | -0.1042949 | 0.05997278 | 1 |
| <i>ESRRA</i> | -0.1043222 | 0.05990566 | 1 |
| <i>MALT1</i> | -0.1043591 | 0.05981477 | 1 |
| <i>SYCP3</i> | -0.1043775 | 0.05976939 | 1 |
| <i>MFSD2A</i> | -0.1044531 | 0.05958362 | 1 |
| <i>PRKAR1A</i> | -0.1044776 | 0.0595235 | 1 |
| <i>PALM2-AKA</i> | -0.1044814 | 0.05951428 | 1 |
| <i>DNAI1</i> | -0.1044968 | 0.05947664 | 1 |
| <i>ZNF417</i> | -0.1045475 | 0.05935235 | 1 |
| <i>LOC145837</i> | -0.1045951 | 0.059236 | 1 |
| <i>PLA2G4D</i> | -0.104608 | 0.05920464 | 1 |
| <i>DGKI</i> | -0.104615 | 0.05918749 | 1 |
| <i>TRPM7</i> | -0.1046352 | 0.05913826 | 1 |
| <i>LOC1001322</i> | -0.1046551 | 0.05908982 | 1 |
| <i>ARFGAP2</i> | -0.1047357 | 0.05889371 | 1 |
| <i>ENTPD1</i> | -0.1047604 | 0.05883351 | 1 |
| <i>DEF6</i> | -0.1047872 | 0.05876853 | 1 |
| <i>HTR1B</i> | -0.1048171 | 0.05869609 | 1 |
| <i>ACCN1</i> | -0.1048218 | 0.05868455 | 1 |
| <i>DDHD2</i> | -0.1050312 | 0.058179 | 1 |
| <i>ECM1</i> | -0.1050838 | 0.05805261 | 1 |
| <i>CCDC102B</i> | -0.1050877 | 0.0580433 | 1 |
| <i>SMARCC2</i> | -0.1051641 | 0.0578602 | 1 |
| <i>AQP12B</i> | -0.105189 | 0.05780053 | 1 |
| <i>C1orf85</i> | -0.1052166 | 0.05773458 | 1 |
| <i>FGD1</i> | -0.1052319 | 0.05769803 | 1 |
| <i>RGSL1</i> | -0.1052605 | 0.05762958 | 1 |
| <i>DCAF7</i> | -0.1052629 | 0.05762394 | 1 |
| <i>LNX1</i> | -0.1053299 | 0.05746418 | 1 |
| <i>MGC16275</i> | -0.1053351 | 0.05745189 | 1 |
| <i>ACTC1</i> | -0.1053442 | 0.05743022 | 1 |
| <i>ZNF350</i> | -0.1053852 | 0.05733258 | 1 |

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| <i>MEIS3</i> | -0.1055764 | 0.05687973 | 1 |
| <i>ZNF839</i> | -0.1056227 | 0.05677052 | 1 |
| <i>TAC1</i> | -0.105664 | 0.0566731 | 1 |
| <i>LOC647288</i> | -0.1056836 | 0.05662699 | 1 |
| <i>TP53TG1</i> | -0.1057117 | 0.05656099 | 1 |
| <i>SNORA1</i> | -0.105731 | 0.05651565 | 1 |
| <i>CCDC75</i> | -0.1057447 | 0.05648346 | 1 |
| <i>ASTE1</i> | -0.1057826 | 0.05639455 | 1 |
| <i>UMOD</i> | -0.1059107 | 0.0560948 | 1 |
| <i>LOC400891</i> | -0.105917 | 0.05608017 | 1 |
| <i>CCL17</i> | -0.1059254 | 0.05606048 | 1 |
| <i>ZSWIM5</i> | -0.1059282 | 0.05605407 | 1 |
| <i>ADH7</i> | -0.1059458 | 0.05601297 | 1 |
| <i>SLC25A41</i> | -0.1060586 | 0.05575054 | 1 |
| <i>BMPR1B</i> | -0.1061089 | 0.0556337 | 1 |
| <i>C9orf144</i> | -0.1061639 | 0.05550639 | 1 |
| <i>SLC25A5</i> | -0.1062788 | 0.05524108 | 1 |
| <i>GABRA5</i> | -0.1062825 | 0.05523257 | 1 |
| <i>LOC146336</i> | -0.1062909 | 0.05521326 | 1 |
| <i>LHX9</i> | -0.1063034 | 0.05518428 | 1 |
| <i>PQLC3</i> | -0.1063205 | 0.05514508 | 1 |
| <i>PRPSAP1</i> | -0.1064114 | 0.05493619 | 1 |
| <i>RNF146</i> | -0.1064401 | 0.05487033 | 1 |
| <i>YTHDC2</i> | -0.1065491 | 0.05462091 | 1 |
| <i>PRKAG3</i> | -0.1067013 | 0.05427439 | 1 |
| <i>UBOX5</i> | -0.1067166 | 0.05423964 | 1 |
| <i>PGBD5</i> | -0.1067203 | 0.05423132 | 1 |
| <i>TM7SF3</i> | -0.1067923 | 0.05406818 | 1 |
| <i>DPM3</i> | -0.1068546 | 0.05392715 | 1 |
| <i>DDX24</i> | -0.1068625 | 0.0539093 | 1 |
| <i>CCL3L3</i> | -0.1068645 | 0.05390493 | 1 |
| <i>NIPSNAP3A</i> | -0.1069462 | 0.05372059 | 1 |
| <i>HIST1H4G</i> | -0.1069525 | 0.05370634 | 1 |
| <i>ST3GAL1</i> | -0.1070528 | 0.05348094 | 1 |
| <i>AATK</i> | -0.1070698 | 0.05344285 | 1 |
| <i>CLEC4D</i> | -0.107106 | 0.05336185 | 1 |
| <i>CNN3</i> | -0.1071323 | 0.05330291 | 1 |
| <i>DPH1</i> | -0.1071656 | 0.05322843 | 1 |
| <i>AIPL1</i> | -0.1072512 | 0.0530373 | 1 |
| <i>PCDHA5</i> | -0.1072716 | 0.052992 | 1 |
| <i>OTOR</i> | -0.1072756 | 0.05298306 | 1 |
| <i>SCML4</i> | -0.1072901 | 0.05295088 | 1 |
| <i>APBA2</i> | -0.1073072 | 0.05291276 | 1 |
| <i>NEUROD6</i> | -0.1073305 | 0.05286101 | 1 |
| <i>BRD4</i> | -0.1073402 | 0.05283953 | 1 |
| <i>LPPR1</i> | -0.1074472 | 0.05260228 | 1 |
| <i>CLOCK</i> | -0.1074509 | 0.05259404 | 1 |
| <i>SLC35F5</i> | -0.1074527 | 0.05259002 | 1 |
| <i>P2RX5</i> | -0.1074662 | 0.05256011 | 1 |
| <i>RBMXL2</i> | -0.1074667 | 0.05255899 | 1 |
| <i>SYDE2</i> | -0.1075128 | 0.05245722 | 1 |

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| <i>C9orf110</i> | -0.1075391 | 0.05239911 | 1 |
| <i>FGF22</i> | -0.1076167 | 0.05222814 | 1 |
| <i>COL15A1</i> | -0.107621 | 0.05221889 | 1 |
| <i>GPRC5A</i> | -0.1076556 | 0.0521428 | 1 |
| <i>OR2L3</i> | -0.1077054 | 0.05203354 | 1 |
| <i>TIMP4</i> | -0.1077665 | 0.05189966 | 1 |
| <i>PHRF1</i> | -0.1078048 | 0.05181579 | 1 |
| <i>SLC16A8</i> | -0.1078596 | 0.05169615 | 1 |
| <i>CMTM3</i> | -0.1078634 | 0.05168802 | 1 |
| <i>LOC401463</i> | -0.1078671 | 0.05167979 | 1 |
| <i>PCSK1</i> | -0.107974 | 0.05144713 | 1 |
| <i>HAR1B</i> | -0.1079934 | 0.05140517 | 1 |
| <i>MYPOP</i> | -0.1080135 | 0.0513615 | 1 |
| <i>SDR9C7</i> | -0.1081213 | 0.05112809 | 1 |
| <i>ATPIF1</i> | -0.1082518 | 0.05084671 | 1 |
| <i>SCMH1</i> | -0.1082643 | 0.05081982 | 1 |
| <i>HDAC6</i> | -0.1082725 | 0.05080227 | 1 |
| <i>ZNF324B</i> | -0.1083019 | 0.05073892 | 1 |
| <i>CYBA</i> | -0.1083059 | 0.05073038 | 1 |
| <i>OR13G1</i> | -0.1083079 | 0.05072601 | 1 |
| <i>C5orf27</i> | -0.108363 | 0.05060791 | 1 |
| <i>KRT77</i> | -0.1083772 | 0.0505775 | 1 |
| <i>LACE1</i> | -0.1083985 | 0.05053201 | 1 |
| <i>ANKRD28</i> | -0.1084431 | 0.05043655 | 1 |
| <i>STX19</i> | -0.1084732 | 0.05037224 | 1 |
| <i>GPR22</i> | -0.1085063 | 0.05030166 | 1 |
| <i>KDM5A</i> | -0.1087101 | 0.04986881 | 1 |
| <i>DCST2</i> | -0.1088757 | 0.04951932 | 1 |
| <i>SYCE1L</i> | -0.108895 | 0.04947867 | 1 |
| <i>NFATC3</i> | -0.1089043 | 0.04945911 | 1 |
| <i>IFNA14</i> | -0.1089146 | 0.04943737 | 1 |
| <i>C14orf177</i> | -0.1089146 | 0.04943737 | 1 |
| <i>ASB15</i> | -0.1089443 | 0.04937511 | 1 |
| <i>OR2T12</i> | -0.108946 | 0.04937146 | 1 |
| <i>ACBD3</i> | -0.1090842 | 0.04908209 | 1 |
| <i>ARGFX</i> | -0.1091082 | 0.04903201 | 1 |
| <i>MSMB</i> | -0.1091187 | 0.04901014 | 1 |
| <i>IGDCC4</i> | -0.1091727 | 0.04889757 | 1 |
| <i>EGR1</i> | -0.1092657 | 0.04870421 | 1 |
| <i>SLC26A6</i> | -0.1093213 | 0.04858907 | 1 |
| <i>EPC2</i> | -0.1093255 | 0.04858028 | 1 |
| <i>VPS16</i> | -0.1093681 | 0.04849222 | 1 |
| <i>C9orf3</i> | -0.1093721 | 0.04848393 | 1 |
| <i>LRRC56</i> | -0.1093846 | 0.04845807 | 1 |
| <i>ATP4B</i> | -0.1093853 | 0.04845664 | 1 |
| <i>RXRβ</i> | -0.109418 | 0.04838907 | 1 |
| <i>EXD1</i> | -0.1094194 | 0.04838627 | 1 |
| <i>CCDC144C</i> | -0.109524 | 0.04817071 | 1 |
| <i>FBN2</i> | -0.1095434 | 0.04813086 | 1 |
| <i>SCRN2</i> | -0.1095842 | 0.04804704 | 1 |
| <i>CSRP2</i> | -0.1096153 | 0.04798329 | 1 |

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| <i>RHOBTB2</i> | -0.1096675 | 0.04787632 | 1 |
| <i>LHFPL5</i> | -0.1096792 | 0.04785259 | 1 |
| <i>TNFRSF1B</i> | -0.1097035 | 0.04780274 | 1 |
| <i>PI4K2A</i> | -0.1097257 | 0.04775748 | 1 |
| <i>ATXN7L3</i> | -0.1097604 | 0.04768678 | 1 |
| <i>TYK2</i> | -0.1097627 | 0.04768209 | 1 |
| <i>ZNF439</i> | -0.1098265 | 0.04755218 | 1 |
| <i>GPR101</i> | -0.1098311 | 0.04754277 | 1 |
| <i>PPAPDC1B</i> | -0.109844 | 0.04751659 | 1 |
| <i>DNAJC17</i> | -0.109888 | 0.0474271 | 1 |
| <i>THRA</i> | -0.1100059 | 0.04718825 | 1 |
| <i>RBPMS</i> | -0.1100113 | 0.04717738 | 1 |
| <i>LOC1002407</i> | -0.1100674 | 0.0470641 | 1 |
| <i>LPPR3</i> | -0.1100757 | 0.04704746 | 1 |
| <i>SENP7</i> | -0.1101232 | 0.04695182 | 1 |
| <i>SLC39A8</i> | -0.1101483 | 0.04690123 | 1 |
| <i>IGF1R</i> | -0.1101541 | 0.04688965 | 1 |
| <i>RGMB</i> | -0.1101739 | 0.04684974 | 1 |
| <i>NYNRIN</i> | -0.1102117 | 0.04677387 | 1 |
| <i>CCL18</i> | -0.1102171 | 0.04676303 | 1 |
| <i>ETV1</i> | -0.1102187 | 0.04675983 | 1 |
| <i>ZNF518B</i> | -0.1102671 | 0.04666298 | 1 |
| <i>TNFRSF4</i> | -0.1103076 | 0.04658184 | 1 |
| <i>SARM1</i> | -0.1103275 | 0.04654209 | 1 |
| <i>PCLO</i> | -0.1103473 | 0.04650262 | 1 |
| <i>HSFY2</i> | -0.1103765 | 0.04644438 | 1 |
| <i>UBR3</i> | -0.1104733 | 0.0462515 | 1 |
| <i>PLCXD2</i> | -0.1104893 | 0.04621978 | 1 |
| <i>TRAF7</i> | -0.1104969 | 0.04620468 | 1 |
| <i>RBM38</i> | -0.1105062 | 0.04618621 | 1 |
| <i>LRP5</i> | -0.1105775 | 0.04604498 | 1 |
| <i>FGF14</i> | -0.1106565 | 0.04588872 | 1 |
| <i>RPRM</i> | -0.1106757 | 0.04585081 | 1 |
| <i>WDR48</i> | -0.1106903 | 0.04582203 | 1 |
| <i>LLGL1</i> | -0.110699 | 0.04580484 | 1 |
| <i>PML</i> | -0.1107139 | 0.04577554 | 1 |
| <i>MTMR11</i> | -0.1107438 | 0.0457167 | 1 |
| <i>TMEM107</i> | -0.1107558 | 0.04569297 | 1 |
| <i>C9orf44</i> | -0.1108196 | 0.04556755 | 1 |
| <i>MEX3C</i> | -0.1108253 | 0.04555646 | 1 |
| <i>MAP2K1</i> | -0.1108641 | 0.0454804 | 1 |
| <i>TFE3</i> | -0.1109074 | 0.0453956 | 1 |
| <i>FPGT</i> | -0.1110351 | 0.04514621 | 1 |
| <i>LOC90834</i> | -0.1112613 | 0.04470766 | 1 |
| <i>ALDH3A1</i> | -0.1112698 | 0.04469109 | 1 |
| <i>HTA</i> | -0.1113028 | 0.04462752 | 1 |
| <i>PTPRN2</i> | -0.1113625 | 0.04451255 | 1 |
| <i>DPY19L2P1</i> | -0.1114178 | 0.04440621 | 1 |
| <i>N4BP2L1</i> | -0.1114499 | 0.04434447 | 1 |
| <i>GSX2</i> | -0.111484 | 0.04427924 | 1 |
| <i>ZFP161</i> | -0.1115859 | 0.04408436 | 1 |

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| <i>ZNF230</i> | -0.1116498 | 0.04396246 | 1 |
| <i>LAMC1</i> | -0.1117045 | 0.04385844 | 1 |
| <i>BOLA1</i> | -0.111824 | 0.04363168 | 1 |
| <i>GML</i> | -0.1118294 | 0.04362149 | 1 |
| <i>NOXA1</i> | -0.1118761 | 0.04353315 | 1 |
| <i>HOXC6</i> | -0.1119259 | 0.0434393 | 1 |
| <i>NT5DC3</i> | -0.1121298 | 0.04305621 | 1 |
| <i>ATP6V1E1</i> | -0.1121903 | 0.04294315 | 1 |
| <i>NETO2</i> | -0.1122027 | 0.04291996 | 1 |
| <i>SNORA32</i> | -0.1122713 | 0.04279203 | 1 |
| <i>SLC1A3</i> | -0.1122863 | 0.04276425 | 1 |
| <i>PNLIPRP1</i> | -0.1123094 | 0.04272131 | 1 |
| <i>NGFRAP1</i> | -0.1123583 | 0.04263032 | 1 |
| <i>RNF133</i> | -0.1123856 | 0.04257976 | 1 |
| <i>TSC22D2</i> | -0.1124112 | 0.04253224 | 1 |
| <i>YWHAH</i> | -0.1124544 | 0.04245232 | 1 |
| <i>NUPR1</i> | -0.1125905 | 0.04220127 | 1 |
| <i>CPS1</i> | -0.1126435 | 0.04210382 | 1 |
| <i>ATP2C2</i> | -0.1126875 | 0.04202308 | 1 |
| <i>C9orf170</i> | -0.1127266 | 0.04195139 | 1 |
| <i>FMNL3</i> | -0.1127346 | 0.04193684 | 1 |
| <i>RUFY3</i> | -0.1127731 | 0.04186649 | 1 |
| <i>ZCCHC10</i> | -0.1128311 | 0.04176053 | 1 |
| <i>MST1P2</i> | -0.1128346 | 0.0417542 | 1 |
| <i>MCEE</i> | -0.1128707 | 0.04168832 | 1 |
| <i>CPLX4</i> | -0.112955 | 0.04153503 | 1 |
| <i>ADIPOR2</i> | -0.1129758 | 0.04149732 | 1 |
| <i>PATE4</i> | -0.1130095 | 0.04143621 | 1 |
| <i>HAR1A</i> | -0.113011 | 0.04143345 | 1 |
| <i>GFRAL</i> | -0.1130194 | 0.04141823 | 1 |
| <i>CHUK</i> | -0.1130369 | 0.04138653 | 1 |
| <i>CD151</i> | -0.1130915 | 0.04128778 | 1 |
| <i>CRYM</i> | -0.1131741 | 0.04113876 | 1 |
| <i>DDIT4L</i> | -0.1132518 | 0.04099906 | 1 |
| <i>GJD2</i> | -0.1132668 | 0.04097218 | 1 |
| <i>CMPK1</i> | -0.1133725 | 0.04078275 | 1 |
| <i>FAM151B</i> | -0.1133982 | 0.04073682 | 1 |
| <i>EMP2</i> | -0.1134167 | 0.04070394 | 1 |
| <i>OGDHL</i> | -0.1134188 | 0.04070004 | 1 |
| <i>BEX5</i> | -0.1135099 | 0.04053775 | 1 |
| <i>OR2A25</i> | -0.1135108 | 0.04053627 | 1 |
| <i>HCRTR2</i> | -0.1137516 | 0.04010988 | 1 |
| <i>DDB2</i> | -0.113792 | 0.0400386 | 1 |
| <i>IFNK</i> | -0.1138178 | 0.03999332 | 1 |
| <i>FAM78B</i> | -0.1138205 | 0.0399885 | 1 |
| <i>TRNAU1AP</i> | -0.1138493 | 0.03993783 | 1 |
| <i>SLC44A3</i> | -0.1138864 | 0.0398728 | 1 |
| <i>SERPINI2</i> | -0.1139084 | 0.03983416 | 1 |
| <i>C18orf16</i> | -0.1139916 | 0.03968851 | 1 |
| <i>GYS2</i> | -0.1139943 | 0.03968392 | 1 |
| <i>ISG15</i> | -0.1140181 | 0.03964227 | 1 |

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| <i>XPC</i> | -0.114022 | 0.03963553 | 1 |
| <i>GOSR1</i> | -0.1140492 | 0.03958802 | 1 |
| <i>OXER1</i> | -0.1140687 | 0.03955404 | 1 |
| <i>TCEB3B</i> | -0.1141867 | 0.03934895 | 1 |
| <i>SPATS1</i> | -0.1141889 | 0.03934504 | 1 |
| <i>LOC91450</i> | -0.1141939 | 0.03933365 | 1 |
| <i>ADPRHL1</i> | -0.1142457 | 0.03924664 | 1 |
| <i>GOLGA9P</i> | -0.1143346 | 0.03909301 | 1 |
| <i>ZNF595</i> | -0.114352 | 0.0390631 | 1 |
| <i>NPL</i> | -0.1143677 | 0.03903603 | 1 |
| <i>PRCP</i> | -0.1144174 | 0.03895039 | 1 |
| <i>VASN</i> | -0.1144313 | 0.03892657 | 1 |
| <i>MT1B</i> | -0.1144957 | 0.03881594 | 1 |
| <i>PPP4R2</i> | -0.1145057 | 0.03879887 | 1 |
| <i>SLC25A21</i> | -0.1145415 | 0.03873751 | 1 |
| <i>HACE1</i> | -0.1145444 | 0.03873261 | 1 |
| <i>NOBOX</i> | -0.1145497 | 0.03872348 | 1 |
| <i>OR10G2</i> | -0.1146234 | 0.03859762 | 1 |
| <i>LDLRAD2</i> | -0.1146353 | 0.03857732 | 1 |
| <i>C4orf17</i> | -0.1146372 | 0.03857395 | 1 |
| <i>PSEN2</i> | -0.1146636 | 0.03852898 | 1 |
| <i>ACSL1</i> | -0.1146844 | 0.03849357 | 1 |
| <i>ITGA1</i> | -0.1146995 | 0.03846786 | 1 |
| <i>KCNK4</i> | -0.1147136 | 0.03844389 | 1 |
| <i>ASS1</i> | -0.1147701 | 0.03834791 | 1 |
| <i>DLK2</i> | -0.1148397 | 0.03822995 | 1 |
| <i>B3GAT2</i> | -0.1148482 | 0.03821551 | 1 |
| <i>NFRKB</i> | -0.1148607 | 0.03819436 | 1 |
| <i>APPL1</i> | -0.1148763 | 0.03816792 | 1 |
| <i>MMP19</i> | -0.1150451 | 0.03788354 | 1 |
| <i>CDHR4</i> | -0.1150665 | 0.03784758 | 1 |
| <i>HMG20B</i> | -0.1151284 | 0.03774378 | 1 |
| <i>EDC4</i> | -0.1152233 | 0.03758523 | 1 |
| <i>MDM2</i> | -0.1153302 | 0.03740717 | 1 |
| <i>FAR2</i> | -0.1153429 | 0.03738608 | 1 |
| <i>OR2L1P</i> | -0.1153967 | 0.03729676 | 1 |
| <i>C11orf64</i> | -0.1155278 | 0.03708004 | 1 |
| <i>PRG4</i> | -0.1156505 | 0.03687803 | 1 |
| <i>TBC1D25</i> | -0.1156797 | 0.03683014 | 1 |
| <i>USP15</i> | -0.1156966 | 0.03680247 | 1 |
| <i>ECHDC3</i> | -0.1157323 | 0.03674402 | 1 |
| <i>MAG</i> | -0.1157675 | 0.03668641 | 1 |
| <i>C15orf53</i> | -0.1158169 | 0.03660566 | 1 |
| <i>TTY4C</i> | -0.1158929 | 0.03648181 | 1 |
| <i>MYH10</i> | -0.1159079 | 0.03645745 | 1 |
| <i>VANGL1</i> | -0.1159187 | 0.03643989 | 1 |
| <i>MCF2</i> | -0.115955 | 0.03638098 | 1 |
| <i>LOC642852</i> | -0.1160492 | 0.03622829 | 1 |
| <i>ERAS</i> | -0.1160956 | 0.03615335 | 1 |
| <i>NCRNA0015</i> | -0.1162272 | 0.03594146 | 1 |
| <i>SPRYD5</i> | -0.1162399 | 0.03592094 | 1 |

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| <i>LOC729176</i> | -0.1162417 | 0.03591806 | 1 |
| <i>KYNU</i> | -0.1164322 | 0.03561331 | 1 |
| <i>TIMP3</i> | -0.1164416 | 0.0355983 | 1 |
| <i>TAAR6</i> | -0.1164489 | 0.03558678 | 1 |
| <i>TRPC4</i> | -0.1164647 | 0.03556152 | 1 |
| <i>NDUFB1</i> | -0.1164863 | 0.03552716 | 1 |
| <i>PDSS2</i> | -0.1164962 | 0.03551145 | 1 |
| <i>PCOLCE</i> | -0.1165954 | 0.03535397 | 1 |
| <i>LRRC70</i> | -0.1166656 | 0.03524294 | 1 |
| <i>IFIT1B</i> | -0.1167178 | 0.03516056 | 1 |
| <i>COQ10A</i> | -0.116728 | 0.03514451 | 1 |
| <i>ACTN1</i> | -0.116804 | 0.03502482 | 1 |
| <i>PPP1R3A</i> | -0.1169141 | 0.03485218 | 1 |
| <i>HS3ST3A1</i> | -0.1169756 | 0.03475602 | 1 |
| <i>LGALS1</i> | -0.1170081 | 0.03470526 | 1 |
| <i>MMP17</i> | -0.1170176 | 0.03469047 | 1 |
| <i>CORO1C</i> | -0.1170305 | 0.03467033 | 1 |
| <i>C1QTNF9B</i> | -0.1171234 | 0.03452594 | 1 |
| <i>C20orf29</i> | -0.11718 | 0.03443817 | 1 |
| <i>ITPR3</i> | -0.1171844 | 0.03443122 | 1 |
| <i>CFHR3</i> | -0.1171919 | 0.03441969 | 1 |
| <i>KIAA1467</i> | -0.1172132 | 0.03438676 | 1 |
| <i>CLDN18</i> | -0.1172466 | 0.03433501 | 1 |
| <i>PASD1</i> | -0.1173662 | 0.03415067 | 1 |
| <i>RPL23AP64</i> | -0.1173775 | 0.03413321 | 1 |
| <i>RGPD6</i> | -0.1174012 | 0.03409691 | 1 |
| <i>TEX2</i> | -0.1174352 | 0.03404472 | 1 |
| <i>CARD11</i> | -0.1175491 | 0.03387034 | 1 |
| <i>RNF148</i> | -0.1176549 | 0.03370899 | 1 |
| <i>OR8G5</i> | -0.1176646 | 0.03369422 | 1 |
| <i>EFNB2</i> | -0.1176886 | 0.03365771 | 1 |
| <i>ZNF518A</i> | -0.1176982 | 0.03364321 | 1 |
| <i>COX5B</i> | -0.1177158 | 0.03361655 | 1 |
| <i>DVL2</i> | -0.1177481 | 0.03356751 | 1 |
| <i>DDX3X</i> | -0.1177486 | 0.03356666 | 1 |
| <i>PRPF18</i> | -0.1177685 | 0.03353663 | 1 |
| <i>FSTL1</i> | -0.1177908 | 0.03350285 | 1 |
| <i>ZNF732</i> | -0.1177981 | 0.0334917 | 1 |
| <i>PPFIBP1</i> | -0.117816 | 0.03346473 | 1 |
| <i>GUCY1B3</i> | -0.1178162 | 0.03346433 | 1 |
| <i>BARHL1</i> | -0.1178224 | 0.03345502 | 1 |
| <i>ITGAX</i> | -0.1179141 | 0.0333166 | 1 |
| <i>CCL7</i> | -0.1179404 | 0.03327713 | 1 |
| <i>NOSTRIN</i> | -0.1179493 | 0.03326372 | 1 |
| <i>FAM98B</i> | -0.1179712 | 0.0332308 | 1 |
| <i>DYNLL2</i> | -0.1179953 | 0.03319451 | 1 |
| <i>CASC1</i> | -0.1180202 | 0.03315717 | 1 |
| <i>LCE2C</i> | -0.1180372 | 0.03313173 | 1 |
| <i>MED13</i> | -0.1180447 | 0.03312038 | 1 |
| <i>COX6A1</i> | -0.1180723 | 0.03307908 | 1 |
| <i>RC3H2</i> | -0.1180878 | 0.03305591 | 1 |

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| <i>SMAP1</i> | -0.1181171 | 0.03301212 | 1 |
| <i>GGTLC1</i> | -0.1181906 | 0.03290234 | 1 |
| <i>GLUD1</i> | -0.1182292 | 0.03284498 | 1 |
| <i>CD200</i> | -0.1182475 | 0.03281768 | 1 |
| <i>CC2D2A</i> | -0.1182735 | 0.03277902 | 1 |
| <i>GLB1L3</i> | -0.1183025 | 0.03273597 | 1 |
| <i>PCDHB8</i> | -0.1183193 | 0.03271108 | 1 |
| <i>LOC494141</i> | -0.1183263 | 0.03270067 | 1 |
| <i>BTBD18</i> | -0.1183769 | 0.03262578 | 1 |
| <i>LOC283731</i> | -0.1184112 | 0.03257509 | 1 |
| <i>SIX5</i> | -0.1184203 | 0.03256158 | 1 |
| <i>ZNF773</i> | -0.1184393 | 0.03253362 | 1 |
| <i>OR4A47</i> | -0.1184813 | 0.03247154 | 1 |
| <i>ABHD14A</i> | -0.1184986 | 0.03244616 | 1 |
| <i>HNF1B</i> | -0.1186289 | 0.03225476 | 1 |
| <i>SIRT2</i> | -0.1187469 | 0.03208223 | 1 |
| <i>USP4</i> | -0.1187577 | 0.03206646 | 1 |
| <i>C17orf61</i> | -0.1187743 | 0.03204234 | 1 |
| <i>KSR1</i> | -0.1187869 | 0.0320239 | 1 |
| <i>CACNA1E</i> | -0.1187915 | 0.03201721 | 1 |
| <i>SAFB2</i> | -0.1189134 | 0.03184013 | 1 |
| <i>COPA</i> | -0.1189237 | 0.03182522 | 1 |
| <i>CPN2</i> | -0.1191346 | 0.03152105 | 1 |
| <i>SDHAP2</i> | -0.1191625 | 0.03148087 | 1 |
| <i>HINT2</i> | -0.1191675 | 0.03147369 | 1 |
| <i>MATN1</i> | -0.1191779 | 0.03145886 | 1 |
| <i>ING2</i> | -0.1192018 | 0.03142454 | 1 |
| <i>CACNA1S</i> | -0.1194022 | 0.03113846 | 1 |
| <i>OR56B1</i> | -0.1194289 | 0.03110063 | 1 |
| <i>TXNL4A</i> | -0.1194611 | 0.03105486 | 1 |
| <i>MCOLN3</i> | -0.119483 | 0.03102379 | 1 |
| <i>GATAD2B</i> | -0.1194843 | 0.03102192 | 1 |
| <i>CCDC64B</i> | -0.1194893 | 0.03101484 | 1 |
| <i>FIBCD1</i> | -0.1194958 | 0.03100563 | 1 |
| <i>10-Mar</i> | -0.1195221 | 0.03096844 | 1 |
| <i>C15orf50</i> | -0.1196892 | 0.03073271 | 1 |
| <i>LOC1001297</i> | -0.1197016 | 0.03071531 | 1 |
| <i>PCDHA12</i> | -0.1197711 | 0.03061781 | 1 |
| <i>SLC3A1</i> | -0.1198095 | 0.03056404 | 1 |
| <i>FRG1B</i> | -0.1198363 | 0.03052647 | 1 |
| <i>CYR61</i> | -0.1198624 | 0.03049001 | 1 |
| <i>LOC441177</i> | -0.1198719 | 0.03047676 | 1 |
| <i>FGFR3</i> | -0.1198802 | 0.03046515 | 1 |
| <i>FAM115A</i> | -0.1199627 | 0.03035023 | 1 |
| <i>SYTL1</i> | -0.1199781 | 0.03032883 | 1 |
| <i>LOC55908</i> | -0.1201031 | 0.03015556 | 1 |
| <i>RLBP1</i> | -0.120114 | 0.03014045 | 1 |
| <i>FHOD3</i> | -0.1202294 | 0.02998121 | 1 |
| <i>USP50</i> | -0.1202879 | 0.02990076 | 1 |
| <i>ELTD1</i> | -0.120289 | 0.02989929 | 1 |
| <i>RAB11A</i> | -0.1203794 | 0.02977531 | 1 |

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| <i>STARD6</i> | -0.1204886 | 0.02962622 | 1 |
| <i>C10orf93</i> | -0.1206872 | 0.02935674 | 1 |
| <i>MYSM1</i> | -0.1207545 | 0.02926578 | 1 |
| <i>SIRT1</i> | -0.1207703 | 0.02924455 | 1 |
| <i>MANBA</i> | -0.1208451 | 0.02914386 | 1 |
| <i>KIAA1919</i> | -0.1208792 | 0.02909815 | 1 |
| <i>NWD1</i> | -0.1208917 | 0.02908138 | 1 |
| <i>QRFPR</i> | -0.1209375 | 0.02901995 | 1 |
| <i>ASB1</i> | -0.1209664 | 0.02898125 | 1 |
| <i>ZNF532</i> | -0.1210397 | 0.02888343 | 1 |
| <i>TUBA8</i> | -0.1210522 | 0.02886682 | 1 |
| <i>MUC12</i> | -0.1211945 | 0.02867774 | 1 |
| <i>CNTLN</i> | -0.1212524 | 0.02860107 | 1 |
| <i>ELL3</i> | -0.1212607 | 0.02859012 | 1 |
| <i>CSN1S1</i> | -0.1213269 | 0.02850274 | 1 |
| <i>LOC1001288</i> | -0.1213286 | 0.02850044 | 1 |
| <i>OSBPL9</i> | -0.1213309 | 0.02849746 | 1 |
| <i>SETD2</i> | -0.121422 | 0.02837756 | 1 |
| <i>LRR1Q4</i> | -0.1214371 | 0.0283577 | 1 |
| <i>PDK1</i> | -0.1215135 | 0.02825769 | 1 |
| <i>USP48</i> | -0.1215404 | 0.0282224 | 1 |
| <i>SRF</i> | -0.1215775 | 0.02817402 | 1 |
| <i>LOC400027</i> | -0.1215914 | 0.02815589 | 1 |
| <i>OR10AD1</i> | -0.1215935 | 0.02815316 | 1 |
| <i>ASB12</i> | -0.1216048 | 0.02813837 | 1 |
| <i>LOC1001342</i> | -0.1216284 | 0.0281076 | 1 |
| <i>TDRD1</i> | -0.1216775 | 0.0280438 | 1 |
| <i>DTX3L</i> | -0.1217153 | 0.02799462 | 1 |
| <i>BNIP2</i> | -0.1217728 | 0.02792011 | 1 |
| <i>LOC1001285</i> | -0.1217985 | 0.0278869 | 1 |
| <i>SLC36A4</i> | -0.1218537 | 0.02781556 | 1 |
| <i>TRPV1</i> | -0.1218656 | 0.02780009 | 1 |
| <i>BAP1</i> | -0.1219245 | 0.02772423 | 1 |
| <i>USO1</i> | -0.1219358 | 0.02770974 | 1 |
| <i>ZNF853</i> | -0.1219541 | 0.02768617 | 1 |
| <i>FOXE1</i> | -0.1219779 | 0.02765562 | 1 |
| <i>VPS4A</i> | -0.1221696 | 0.02741022 | 1 |
| <i>VPS33B</i> | -0.1222306 | 0.02733259 | 1 |
| <i>BST2</i> | -0.1224075 | 0.02710846 | 1 |
| <i>TTC30A</i> | -0.1224291 | 0.0270812 | 1 |
| <i>TCF23</i> | -0.1224441 | 0.02706233 | 1 |
| <i>OR52B2</i> | -0.1224471 | 0.0270585 | 1 |
| <i>SLC34A2</i> | -0.122503 | 0.02698808 | 1 |
| <i>GTF2B</i> | -0.1226482 | 0.02680601 | 1 |
| <i>ZNF235</i> | -0.1226611 | 0.02678987 | 1 |
| <i>MEG3</i> | -0.1226689 | 0.02678018 | 1 |
| <i>OR4A16</i> | -0.1227695 | 0.02665473 | 1 |
| <i>C8orf22</i> | -0.1227882 | 0.02663146 | 1 |
| <i>SYT3</i> | -0.122815 | 0.0265981 | 1 |
| <i>XBP1</i> | -0.1228194 | 0.02659266 | 1 |
| <i>FAM198B</i> | -0.1230847 | 0.02626492 | 1 |

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| <i>CCL4L2</i> | -0.1231046 | 0.02624051 | 1 |
| <i>CYP20A1</i> | -0.1231487 | 0.02618633 | 1 |
| <i>MYL3</i> | -0.1232469 | 0.0260663 | 1 |
| <i>ZNF580</i> | -0.1232835 | 0.02602161 | 1 |
| <i>MPP7</i> | -0.123298 | 0.02600397 | 1 |
| <i>PTCHD2</i> | -0.1233014 | 0.0259998 | 1 |
| <i>C3orf51</i> | -0.1233397 | 0.0259532 | 1 |
| <i>SLC5A4</i> | -0.123357 | 0.02593212 | 1 |
| <i>SLC16A1</i> | -0.1233649 | 0.0259225 | 1 |
| <i>CACNA1F</i> | -0.1234007 | 0.02587912 | 1 |
| <i>ENO2</i> | -0.1234174 | 0.0258588 | 1 |
| <i>PSAPL1</i> | -0.1234962 | 0.02576343 | 1 |
| <i>ERLIN2</i> | -0.1235541 | 0.02569349 | 1 |
| <i>SLC1A6</i> | -0.1235663 | 0.0256788 | 1 |
| <i>PPP2R5A</i> | -0.1235865 | 0.02565451 | 1 |
| <i>HOMEZ</i> | -0.1235949 | 0.02564437 | 1 |
| <i>MAPK8IP2</i> | -0.1236012 | 0.02563684 | 1 |
| <i>CC2D2B</i> | -0.1236182 | 0.02561633 | 1 |
| <i>?/391714</i> | -0.1236439 | 0.02558548 | 1 |
| <i>HBD</i> | -0.1238128 | 0.02538323 | 1 |
| <i>SCN10A</i> | -0.1238131 | 0.02538285 | 1 |
| <i>PHF3</i> | -0.1238329 | 0.02535928 | 1 |
| <i>ARFIP1</i> | -0.12391 | 0.02526755 | 1 |
| <i>APH1B</i> | -0.1239153 | 0.02526117 | 1 |
| <i>FOLR3</i> | -0.1239955 | 0.02516606 | 1 |
| <i>OR1L3</i> | -0.1240152 | 0.0251427 | 1 |
| <i>TMF1</i> | -0.1240958 | 0.02504748 | 1 |
| <i>ATP13A2</i> | -0.1241466 | 0.02498764 | 1 |
| <i>RBM5</i> | -0.1241634 | 0.02496786 | 1 |
| <i>PTBP2</i> | -0.1241785 | 0.02495007 | 1 |
| <i>OR52E2</i> | -0.1242296 | 0.02489014 | 1 |
| <i>PHACTR2</i> | -0.1243097 | 0.02479627 | 1 |
| <i>ZNF615</i> | -0.1243293 | 0.02477337 | 1 |
| <i>ZNF189</i> | -0.1243296 | 0.02477302 | 1 |
| <i>FLJ39609</i> | -0.1243941 | 0.02469779 | 1 |
| <i>PRKCZ</i> | -0.1244385 | 0.02464604 | 1 |
| <i>ZNF496</i> | -0.1244481 | 0.02463487 | 1 |
| <i>POMT2</i> | -0.1244501 | 0.02463257 | 1 |
| <i>LCE4A</i> | -0.1245223 | 0.0245487 | 1 |
| <i>TMEM143</i> | -0.1245955 | 0.02446401 | 1 |
| <i>PXDNL</i> | -0.124608 | 0.02444958 | 1 |
| <i>CHMP5</i> | -0.1246854 | 0.02436033 | 1 |
| <i>ULK2</i> | -0.1247096 | 0.02433249 | 1 |
| <i>NFKB2</i> | -0.1248046 | 0.02422334 | 1 |
| <i>SPAG16</i> | -0.1249437 | 0.02406439 | 1 |
| <i>LOC729799</i> | -0.1249937 | 0.02400746 | 1 |
| <i>WFDC5</i> | -0.1249938 | 0.0240074 | 1 |
| <i>C14orf37</i> | -0.1250237 | 0.02397335 | 1 |
| <i>PCF11</i> | -0.1250414 | 0.02395325 | 1 |
| <i>DMRTC1B</i> | -0.1251026 | 0.02388395 | 1 |
| <i>RAD54L2</i> | -0.1251289 | 0.02385415 | 1 |

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| <i>FAM173A</i> | -0.1251308 | 0.02385199 | 1 |
| <i>C1orf61</i> | -0.1251364 | 0.02384572 | 1 |
| <i>BDNFOS</i> | -0.12518 | 0.02379638 | 1 |
| <i>DDR1</i> | -0.1254279 | 0.02351803 | 1 |
| <i>TRIM41</i> | -0.125547 | 0.02338533 | 1 |
| <i>FOXO3B</i> | -0.1255538 | 0.02337781 | 1 |
| <i>DNAJB7</i> | -0.1255685 | 0.02336138 | 1 |
| <i>CSPG5</i> | -0.1257054 | 0.0232098 | 1 |
| <i>DENND2C</i> | -0.1257701 | 0.02313845 | 1 |
| <i>LOXL3</i> | -0.1258187 | 0.02308493 | 1 |
| <i>HTR3D</i> | -0.1258491 | 0.02305151 | 1 |
| <i>PRKAA1</i> | -0.1259854 | 0.02290229 | 1 |
| <i>PDZD2</i> | -0.1261533 | 0.02271962 | 1 |
| <i>MEX3B</i> | -0.1262763 | 0.02258655 | 1 |
| <i>B3GNT9</i> | -0.1263274 | 0.02253151 | 1 |
| <i>IL21</i> | -0.1264438 | 0.02240651 | 1 |
| <i>MCPH1</i> | -0.1264724 | 0.02237589 | 1 |
| <i>NIPSNAP3B</i> | -0.1264839 | 0.02236364 | 1 |
| <i>PAK1</i> | -0.1265202 | 0.02232483 | 1 |
| <i>NFIA</i> | -0.1266067 | 0.02223259 | 1 |
| <i>C14orf184</i> | -0.12661 | 0.02222909 | 1 |
| <i>DDX43</i> | -0.1266739 | 0.0221612 | 1 |
| <i>MT3</i> | -0.1266897 | 0.02214437 | 1 |
| <i>CREB3L2</i> | -0.1267011 | 0.02213232 | 1 |
| <i>GATA6</i> | -0.1267045 | 0.02212876 | 1 |
| <i>NADSYN1</i> | -0.1267386 | 0.02209263 | 1 |
| <i>LYPD2</i> | -0.1268349 | 0.02199093 | 1 |
| <i>LOC1001923</i> | -0.1268797 | 0.02194369 | 1 |
| <i>RFK</i> | -0.1268916 | 0.02193119 | 1 |
| <i>PRG1</i> | -0.1269059 | 0.02191612 | 1 |
| <i>POU3F1</i> | -0.1270147 | 0.02180202 | 1 |
| <i>UBTF</i> | -0.1270226 | 0.02179384 | 1 |
| <i>NBAS</i> | -0.1270229 | 0.02179344 | 1 |
| <i>SLC2A6</i> | -0.1271485 | 0.02166243 | 1 |
| <i>GPR176</i> | -0.1271489 | 0.02166202 | 1 |
| <i>CDKN1C</i> | -0.1272056 | 0.02160315 | 1 |
| <i>ZNF274</i> | -0.1272507 | 0.02155637 | 1 |
| <i>RIN2</i> | -0.1272632 | 0.0215434 | 1 |
| <i>FAM155A</i> | -0.1273492 | 0.02145454 | 1 |
| <i>LPPR2</i> | -0.1274014 | 0.02140065 | 1 |
| <i>H1FO</i> | -0.1274538 | 0.02134681 | 1 |
| <i>DUXA</i> | -0.1275309 | 0.02126775 | 1 |
| <i>TSPAN10</i> | -0.1275346 | 0.02126388 | 1 |
| <i>TTL12</i> | -0.1275568 | 0.02124122 | 1 |
| <i>LEFTY1</i> | -0.1275961 | 0.02120101 | 1 |
| <i>MAP3K1</i> | -0.1276628 | 0.02113302 | 1 |
| <i>SBNO1</i> | -0.1276936 | 0.02110167 | 1 |
| <i>RTP1</i> | -0.1277602 | 0.02103405 | 1 |
| <i>TSC1</i> | -0.1278937 | 0.02089902 | 1 |
| <i>SKAP2</i> | -0.1279931 | 0.02079897 | 1 |
| <i>CELA1</i> | -0.1280075 | 0.02078454 | 1 |

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|------------------|------------|------------|---|
| <i>ETFB</i> | -0.1280317 | 0.02076025 | 1 |
| <i>LAMB4</i> | -0.1280598 | 0.020732 | 1 |
| <i>GMPPA</i> | -0.1280704 | 0.02072146 | 1 |
| <i>CCDC110</i> | -0.1283362 | 0.0204568 | 1 |
| <i>METTL12</i> | -0.1284113 | 0.02038256 | 1 |
| <i>PRTN3</i> | -0.1285162 | 0.0202793 | 1 |
| <i>CPO</i> | -0.1285179 | 0.02027763 | 1 |
| <i>C5orf58</i> | -0.1285465 | 0.02024953 | 1 |
| <i>WHSC1L1</i> | -0.128643 | 0.02015497 | 1 |
| <i>MS4A6E</i> | -0.1286957 | 0.02010351 | 1 |
| <i>KCNH3</i> | -0.128723 | 0.02007697 | 1 |
| <i>GFAP</i> | -0.1287284 | 0.02007172 | 1 |
| <i>NT5C2</i> | -0.1287662 | 0.02003492 | 1 |
| <i>DYRK1B</i> | -0.1287911 | 0.02001065 | 1 |
| <i>IFI44L</i> | -0.1288922 | 0.01991266 | 1 |
| <i>ANXA10</i> | -0.1289192 | 0.01988664 | 1 |
| <i>DPYSL4</i> | -0.128925 | 0.01988103 | 1 |
| <i>GRAPL</i> | -0.1289344 | 0.01987195 | 1 |
| <i>ZBTB20</i> | -0.1289511 | 0.01985579 | 1 |
| <i>MBD6</i> | -0.1289703 | 0.01983733 | 1 |
| <i>CCL4</i> | -0.1289785 | 0.01982936 | 1 |
| <i>PIGV</i> | -0.1289798 | 0.01982813 | 1 |
| <i>MAPKSP1</i> | -0.1289861 | 0.01982207 | 1 |
| <i>NIPBL</i> | -0.1289983 | 0.01981035 | 1 |
| <i>AGPS</i> | -0.1290008 | 0.01980795 | 1 |
| <i>GIN1</i> | -0.1290514 | 0.01975921 | 1 |
| <i>INTS4L2</i> | -0.1292106 | 0.01960682 | 1 |
| <i>GABRP</i> | -0.1292175 | 0.01960028 | 1 |
| <i>TM4SF20</i> | -0.1293343 | 0.01948909 | 1 |
| <i>SLC5A5</i> | -0.1293565 | 0.019468 | 1 |
| <i>FAM176B</i> | -0.1293907 | 0.01943557 | 1 |
| <i>CRISP3</i> | -0.1296507 | 0.01919073 | 1 |
| <i>ZFPL1</i> | -0.1296806 | 0.01916276 | 1 |
| <i>KIAA0040</i> | -0.1297536 | 0.01909459 | 1 |
| <i>ACIN1</i> | -0.1297936 | 0.01905727 | 1 |
| <i>RAB40C</i> | -0.1298015 | 0.01905 | 1 |
| <i>SLC35E3</i> | -0.129914 | 0.01894555 | 1 |
| <i>IGSF9B</i> | -0.1299205 | 0.01893945 | 1 |
| <i>HOXC10</i> | -0.1299595 | 0.0189034 | 1 |
| <i>ZNF879</i> | -0.129974 | 0.01888997 | 1 |
| <i>TXNDC6</i> | -0.130048 | 0.01882175 | 1 |
| <i>TMCO3</i> | -0.1300819 | 0.01879056 | 1 |
| <i>HIST1H2AG</i> | -0.13013 | 0.01874636 | 1 |
| <i>HAL</i> | -0.1301492 | 0.01872876 | 1 |
| <i>C10orf58</i> | -0.1301556 | 0.01872289 | 1 |
| <i>ANKMY2</i> | -0.1302249 | 0.01865944 | 1 |
| <i>PEX5L</i> | -0.1302583 | 0.01862896 | 1 |
| <i>ZNF323</i> | -0.1303203 | 0.01857248 | 1 |
| <i>DUOXA1</i> | -0.1303427 | 0.01855202 | 1 |
| <i>CRYGN</i> | -0.1304259 | 0.01847651 | 1 |
| <i>KIAA0355</i> | -0.1304275 | 0.01847511 | 1 |

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|-------------------|------------|------------|---|
| <i>C9orf46</i> | -0.1306028 | 0.01831686 | 1 |
| <i>C21orf94</i> | -0.1306658 | 0.01826025 | 1 |
| <i>ZFAND6</i> | -0.1306699 | 0.01825661 | 1 |
| <i>MMP16</i> | -0.1307092 | 0.01822139 | 1 |
| <i>BBS4</i> | -0.1308296 | 0.01811386 | 1 |
| <i>HHIPL2</i> | -0.1308997 | 0.0180515 | 1 |
| <i>FBP2</i> | -0.1309108 | 0.01804167 | 1 |
| <i>OR1K1</i> | -0.130934 | 0.01802111 | 1 |
| <i>PHEX</i> | -0.1309425 | 0.01801353 | 1 |
| <i>C8orf41</i> | -0.1309776 | 0.01798242 | 1 |
| <i>PTH2R</i> | -0.1310247 | 0.01794084 | 1 |
| <i>MBLAC1</i> | -0.1310558 | 0.01791335 | 1 |
| <i>C2orf82</i> | -0.1311104 | 0.01786529 | 1 |
| <i>SLC4A3</i> | -0.1312287 | 0.01776145 | 1 |
| <i>SERPINA6</i> | -0.1312767 | 0.01771944 | 1 |
| <i>ZNF493</i> | -0.1312912 | 0.01770677 | 1 |
| <i>BAT3</i> | -0.131388 | 0.01762241 | 1 |
| <i>OR52B6</i> | -0.1313908 | 0.01762002 | 1 |
| <i>CBLN4</i> | -0.1314327 | 0.01758359 | 1 |
| <i>VWDE</i> | -0.1314778 | 0.01754447 | 1 |
| <i>C6orf168</i> | -0.1314805 | 0.01754214 | 1 |
| <i>C11orf67</i> | -0.1314891 | 0.01753465 | 1 |
| <i>WDR63</i> | -0.1314928 | 0.01753146 | 1 |
| <i>NOVA2</i> | -0.1315371 | 0.01749319 | 1 |
| <i>MFGE8</i> | -0.1316002 | 0.01743873 | 1 |
| <i>AKR7L</i> | -0.1316796 | 0.01737044 | 1 |
| <i>PACRG</i> | -0.1316832 | 0.01736736 | 1 |
| <i>SCN5A</i> | -0.131735 | 0.01732292 | 1 |
| <i>RNF5P1</i> | -0.1317427 | 0.0173163 | 1 |
| <i>SCGB1A1</i> | -0.1317429 | 0.01731617 | 1 |
| <i>TMPRSS4</i> | -0.1317819 | 0.0172828 | 1 |
| <i>CHRNE</i> | -0.1318287 | 0.01724285 | 1 |
| <i>PIK3IP1</i> | -0.1319324 | 0.01715451 | 1 |
| <i>FAM135A</i> | -0.1319566 | 0.01713402 | 1 |
| <i>LOC1002718</i> | -0.1319805 | 0.01711374 | 1 |
| <i>C9orf106</i> | -0.1319978 | 0.01709908 | 1 |
| <i>COTL1</i> | -0.1321073 | 0.01700657 | 1 |
| <i>BRI3BP</i> | -0.1321199 | 0.01699591 | 1 |
| <i>LOXHD1</i> | -0.1321388 | 0.01698001 | 1 |
| <i>SLC26A5</i> | -0.1321697 | 0.01695403 | 1 |
| <i>NALCN</i> | -0.1321792 | 0.01694602 | 1 |
| <i>CIDECP</i> | -0.1322038 | 0.01692536 | 1 |
| <i>CCDC102A</i> | -0.1324249 | 0.01674062 | 1 |
| <i>ROPN1L</i> | -0.1324749 | 0.01669912 | 1 |
| <i>CDRT15</i> | -0.1324931 | 0.01668407 | 1 |
| <i>MYO15A</i> | -0.132511 | 0.01666918 | 1 |
| <i>IFI27L2</i> | -0.1325371 | 0.01664761 | 1 |
| <i>DDX26B</i> | -0.1326029 | 0.01659324 | 1 |
| <i>TIGD6</i> | -0.1326569 | 0.01654874 | 1 |
| <i>GABBR1</i> | -0.1327241 | 0.01649345 | 1 |
| <i>ATPAF1</i> | -0.1327789 | 0.01644859 | 1 |

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|-------------------|------------|------------|---|
| <i>COMMD1</i> | -0.1328456 | 0.01639405 | 1 |
| <i>LOC1001285</i> | -0.1328508 | 0.01638983 | 1 |
| <i>BHLHE22</i> | -0.1328904 | 0.01635751 | 1 |
| <i>OR2C3</i> | -0.1329368 | 0.01631969 | 1 |
| <i>GGA3</i> | -0.1329503 | 0.01630873 | 1 |
| <i>C8orf86</i> | -0.132994 | 0.0162733 | 1 |
| <i>C14orf182</i> | -0.1330755 | 0.01620727 | 1 |
| <i>DNAH3</i> | -0.1331048 | 0.01618363 | 1 |
| <i>SLC13A4</i> | -0.1331379 | 0.01615692 | 1 |
| <i>CNTN5</i> | -0.1331645 | 0.01613546 | 1 |
| <i>CYP2A6</i> | -0.1332107 | 0.01609831 | 1 |
| <i>GTPBP2</i> | -0.1332112 | 0.01609793 | 1 |
| <i>MPST</i> | -0.1333636 | 0.01597587 | 1 |
| <i>HILS1</i> | -0.1333951 | 0.0159508 | 1 |
| <i>C2orf73</i> | -0.1335649 | 0.01581594 | 1 |
| <i>ITPR2</i> | -0.1338194 | 0.01561574 | 1 |
| <i>FAM184B</i> | -0.1338332 | 0.01560492 | 1 |
| <i>TCTA</i> | -0.1338428 | 0.01559739 | 1 |
| <i>LNP1</i> | -0.1338435 | 0.0155969 | 1 |
| <i>ROPN1B</i> | -0.1338456 | 0.01559526 | 1 |
| <i>FGFR1OP2</i> | -0.1338791 | 0.01556908 | 1 |
| <i>C9orf70</i> | -0.1338928 | 0.01555841 | 1 |
| <i>FOXA3</i> | -0.133954 | 0.01551073 | 1 |
| <i>HIC2</i> | -0.1339589 | 0.01550688 | 1 |
| <i>DLG1</i> | -0.1340293 | 0.01545223 | 1 |
| <i>CBS</i> | -0.1340682 | 0.01542215 | 1 |
| <i>SHC2</i> | -0.134127 | 0.01537667 | 1 |
| <i>GMPR2</i> | -0.134148 | 0.01536045 | 1 |
| <i>NRN1L</i> | -0.1341503 | 0.01535868 | 1 |
| <i>URGCP</i> | -0.1341526 | 0.01535695 | 1 |
| <i>CDCP2</i> | -0.1341544 | 0.01535553 | 1 |
| <i>SPPL3</i> | -0.1342112 | 0.01531181 | 1 |
| <i>H1FX</i> | -0.1342187 | 0.01530606 | 1 |
| <i>LHX2</i> | -0.1342328 | 0.01529517 | 1 |
| <i>GALNT9</i> | -0.1342456 | 0.01528537 | 1 |
| <i>TXNDC16</i> | -0.1342499 | 0.01528206 | 1 |
| <i>ATP5O</i> | -0.1343009 | 0.01524294 | 1 |
| <i>SPACA5</i> | -0.1343357 | 0.01521635 | 1 |
| <i>RTF1</i> | -0.1343989 | 0.01516808 | 1 |
| <i>NXNL2</i> | -0.1344534 | 0.01512654 | 1 |
| <i>PSPN</i> | -0.1344677 | 0.01511564 | 1 |
| <i>C7orf45</i> | -0.1344678 | 0.01511563 | 1 |
| <i>ECSIT</i> | -0.1344779 | 0.01510792 | 1 |
| <i>SLC27A1</i> | -0.1344967 | 0.01509366 | 1 |
| <i>OR52W1</i> | -0.1345183 | 0.01507724 | 1 |
| <i>WTIP</i> | -0.134547 | 0.01505547 | 1 |
| <i>FLYWCH1</i> | -0.1345593 | 0.01504618 | 1 |
| <i>CYFIP2</i> | -0.1346829 | 0.01495284 | 1 |
| <i>TAB1</i> | -0.1346956 | 0.01494325 | 1 |
| <i>NMNAT2</i> | -0.1347076 | 0.01493421 | 1 |
| <i>BTBD8</i> | -0.1347351 | 0.01491352 | 1 |

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|-------------------|------------|------------|---|
| <i>OR5C1</i> | -0.1347815 | 0.01487874 | 1 |
| <i>RGS7</i> | -0.1347844 | 0.01487655 | 1 |
| <i>IRGC</i> | -0.1347958 | 0.01486803 | 1 |
| <i>SOX3</i> | -0.1348052 | 0.01486098 | 1 |
| <i>LOC1001909</i> | -0.1348912 | 0.01479667 | 1 |
| <i>TTC30B</i> | -0.1349293 | 0.01476827 | 1 |
| <i>TOE1</i> | -0.1349421 | 0.01475871 | 1 |
| <i>ZNF91</i> | -0.1349504 | 0.01475254 | 1 |
| <i>METTL4</i> | -0.1350825 | 0.01465448 | 1 |
| <i>PRNP</i> | -0.1351876 | 0.01457693 | 1 |
| <i>ADAM21</i> | -0.1352538 | 0.01452824 | 1 |
| <i>TRIM49L</i> | -0.1352554 | 0.01452706 | 1 |
| <i>PHYH</i> | -0.1352858 | 0.01450476 | 1 |
| <i>C10orf116</i> | -0.135364 | 0.01444745 | 1 |
| <i>SUPT5H</i> | -0.1353794 | 0.01443621 | 1 |
| <i>CLEC4E</i> | -0.1354023 | 0.01441955 | 1 |
| <i>USP20</i> | -0.1354242 | 0.01440354 | 1 |
| <i>C16orf57</i> | -0.1354749 | 0.01436666 | 1 |
| <i>PPP6C</i> | -0.1356454 | 0.01424312 | 1 |
| <i>C7orf43</i> | -0.1356853 | 0.01421436 | 1 |
| <i>RFFL</i> | -0.1356866 | 0.01421343 | 1 |
| <i>POU4F2</i> | -0.135771 | 0.01415275 | 1 |
| <i>SACM1L</i> | -0.1360313 | 0.01396696 | 1 |
| <i>PRICKLE4</i> | -0.1360385 | 0.01396189 | 1 |
| <i>PHC1</i> | -0.1361652 | 0.01387225 | 1 |
| <i>LRCH4</i> | -0.136189 | 0.01385551 | 1 |
| <i>FLJ46111</i> | -0.1362141 | 0.01383783 | 1 |
| <i>PYCARD</i> | -0.1362297 | 0.01382688 | 1 |
| <i>TMCO1</i> | -0.1363224 | 0.01376184 | 1 |
| <i>DEFB119</i> | -0.1364083 | 0.01370175 | 1 |
| <i>WFIKKN1</i> | -0.1364668 | 0.01366103 | 1 |
| <i>NCRNA0003</i> | -0.1366253 | 0.01355117 | 1 |
| <i>OVCA2</i> | -0.1366762 | 0.01351604 | 1 |
| <i>ARHGAP29</i> | -0.1367076 | 0.0134944 | 1 |
| <i>ARL4C</i> | -0.1368502 | 0.01339654 | 1 |
| <i>RTN3</i> | -0.1369997 | 0.01329467 | 1 |
| <i>C20orf26</i> | -0.137046 | 0.01326328 | 1 |
| <i>CCDC153</i> | -0.1370649 | 0.01325042 | 1 |
| <i>ALDH18A1</i> | -0.1370914 | 0.01323252 | 1 |
| <i>NPLOC4</i> | -0.137098 | 0.01322801 | 1 |
| <i>DPRXP4</i> | -0.1371234 | 0.0132109 | 1 |
| <i>SLC39A9</i> | -0.1371494 | 0.0131933 | 1 |
| <i>IRGM</i> | -0.1372662 | 0.01311474 | 1 |
| <i>RGS4</i> | -0.1373006 | 0.01309168 | 1 |
| <i>LAP3</i> | -0.137321 | 0.013078 | 1 |
| <i>CLDN17</i> | -0.1373883 | 0.01303297 | 1 |
| <i>CCDC97</i> | -0.1374482 | 0.01299306 | 1 |
| <i>LMOD2</i> | -0.137452 | 0.01299052 | 1 |
| <i>NKAIN1</i> | -0.1375524 | 0.01292385 | 1 |
| <i>C6orf146</i> | -0.1376159 | 0.01288183 | 1 |
| <i>FAM154B</i> | -0.1377073 | 0.01282156 | 1 |

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| <i>KRT72</i> | -0.1377289 | 0.01280739 | 1 |
| <i>GPR116</i> | -0.1377785 | 0.01277481 | 1 |
| <i>ZNF645</i> | -0.1377886 | 0.01276817 | 1 |
| <i>RFPL1</i> | -0.1377936 | 0.01276494 | 1 |
| <i>PAIP2B</i> | -0.1378514 | 0.01272709 | 1 |
| <i>TATDN3</i> | -0.1380311 | 0.01261008 | 1 |
| <i>RGS12</i> | -0.13804 | 0.0126043 | 1 |
| <i>AMPD3</i> | -0.1380679 | 0.01258623 | 1 |
| <i>HIST2H2BA</i> | -0.1381352 | 0.01254276 | 1 |
| <i>NDUFS4</i> | -0.1382941 | 0.01244057 | 1 |
| <i>PTCH2</i> | -0.1382999 | 0.01243688 | 1 |
| <i>PXDN</i> | -0.1383013 | 0.01243596 | 1 |
| <i>KCNH5</i> | -0.1383132 | 0.01242832 | 1 |
| <i>FLJ40852</i> | -0.138364 | 0.01239588 | 1 |
| <i>ACTR1B</i> | -0.1383996 | 0.01237311 | 1 |
| <i>PPIP5K2</i> | -0.1384046 | 0.01236996 | 1 |
| <i>SCGB1D1</i> | -0.1384391 | 0.01234795 | 1 |
| <i>ELMOD3</i> | -0.1384683 | 0.01232938 | 1 |
| <i>IL4I1</i> | -0.1385106 | 0.01230251 | 1 |
| <i>ZCCHC14</i> | -0.1385629 | 0.01226941 | 1 |
| <i>SLC25A46</i> | -0.1386449 | 0.01221759 | 1 |
| <i>PDGFA</i> | -0.1386902 | 0.01218905 | 1 |
| <i>MOXD1</i> | -0.1387109 | 0.01217601 | 1 |
| <i>NLRC5</i> | -0.1387769 | 0.01213463 | 1 |
| <i>GLRB</i> | -0.13898 | 0.01200791 | 1 |
| <i>TRAM1L1</i> | -0.1389842 | 0.01200528 | 1 |
| <i>BBX</i> | -0.13903 | 0.01197687 | 1 |
| <i>ZNF256</i> | -0.139088 | 0.01194097 | 1 |
| <i>MIS12</i> | -0.139106 | 0.01192987 | 1 |
| <i>CAMK1G</i> | -0.139112 | 0.01192615 | 1 |
| <i>C9orf130</i> | -0.1391144 | 0.01192466 | 1 |
| <i>KCNQ2</i> | -0.1391543 | 0.01190011 | 1 |
| <i>TMEM179B</i> | -0.1392009 | 0.01187141 | 1 |
| <i>LOC440173</i> | -0.1393095 | 0.01180478 | 1 |
| <i>CHRD12</i> | -0.1393129 | 0.01180273 | 1 |
| <i>ASB13</i> | -0.1393144 | 0.01180178 | 1 |
| <i>LZTR1</i> | -0.139374 | 0.01176538 | 1 |
| <i>NT5C1B</i> | -0.1394226 | 0.01173581 | 1 |
| <i>CABP7</i> | -0.1394256 | 0.01173394 | 1 |
| <i>ALS2CR12</i> | -0.1395089 | 0.01168335 | 1 |
| <i>UBE2Z</i> | -0.1395094 | 0.01168309 | 1 |
| <i>ABCC6</i> | -0.1395177 | 0.01167803 | 1 |
| <i>PCDHGA11</i> | -0.1395192 | 0.01167712 | 1 |
| <i>MARK1</i> | -0.1395257 | 0.01167322 | 1 |
| <i>CDHR3</i> | -0.1395557 | 0.01165503 | 1 |
| <i>KNCN</i> | -0.1396118 | 0.01162113 | 1 |
| <i>VPS13A</i> | -0.1396141 | 0.01161976 | 1 |
| <i>DPYS</i> | -0.1396262 | 0.01161244 | 1 |
| <i>LPA</i> | -0.1396791 | 0.01158058 | 1 |
| <i>SFTPC</i> | -0.1397619 | 0.01153089 | 1 |
| <i>EVX2</i> | -0.1399305 | 0.01143025 | 1 |

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| <i>NCRNA0017</i> | -0.1399376 | 0.01142602 | 1 |
| <i>FBRS</i> | -0.1400447 | 0.01136255 | 1 |
| <i>NIPAL2</i> | -0.1400477 | 0.01136078 | 1 |
| <i>MLNR</i> | -0.1400605 | 0.0113532 | 1 |
| <i>PPCDC</i> | -0.1400634 | 0.01135148 | 1 |
| <i>C12orf23</i> | -0.1401049 | 0.01132697 | 1 |
| <i>LCAT</i> | -0.1401382 | 0.01130739 | 1 |
| <i>ATG16L2</i> | -0.1402 | 0.01127102 | 1 |
| <i>DNAJB9</i> | -0.1402117 | 0.01126414 | 1 |
| <i>TNIP3</i> | -0.1402449 | 0.01124466 | 1 |
| <i>ALDH3B1</i> | -0.1402832 | 0.01122228 | 1 |
| <i>LOC646471</i> | -0.1403773 | 0.01116736 | 1 |
| <i>ZNF559</i> | -0.1404233 | 0.01114055 | 1 |
| <i>STAT5B</i> | -0.1404506 | 0.01112471 | 1 |
| <i>RCHY1</i> | -0.1405061 | 0.01109252 | 1 |
| <i>UGT8</i> | -0.1405163 | 0.01108663 | 1 |
| <i>ANKRD43</i> | -0.1405297 | 0.01107886 | 1 |
| <i>DECR1</i> | -0.1405586 | 0.01106214 | 1 |
| <i>AQP12A</i> | -0.1406952 | 0.01098351 | 1 |
| <i>MYCBPAP</i> | -0.1407479 | 0.01095333 | 1 |
| <i>SLC25A30</i> | -0.1407711 | 0.01094003 | 1 |
| <i>USP18</i> | -0.140814 | 0.01091554 | 1 |
| <i>C9orf5</i> | -0.1409073 | 0.01086236 | 1 |
| <i>GC</i> | -0.140963 | 0.01083075 | 1 |
| <i>TTN</i> | -0.1409669 | 0.01082855 | 1 |
| <i>LHCGR</i> | -0.1409706 | 0.01082643 | 1 |
| <i>C12orf61</i> | -0.1410092 | 0.01080457 | 1 |
| <i>VPS13B</i> | -0.1410246 | 0.0107959 | 1 |
| <i>YPEL1</i> | -0.1410535 | 0.01077958 | 1 |
| <i>PDILT</i> | -0.1410635 | 0.01077393 | 1 |
| <i>LOC390595</i> | -0.1410731 | 0.0107685 | 1 |
| <i>BARX1</i> | -0.1411507 | 0.01072479 | 1 |
| <i>FER</i> | -0.1412065 | 0.01069347 | 1 |
| <i>CACNB3</i> | -0.1412125 | 0.0106901 | 1 |
| <i>TNC</i> | -0.1412865 | 0.01064874 | 1 |
| <i>HGSNAT</i> | -0.1412983 | 0.01064214 | 1 |
| <i>HSPB1</i> | -0.1413294 | 0.01062477 | 1 |
| <i>PCDHGB2</i> | -0.1413383 | 0.01061982 | 1 |
| <i>TMEM11</i> | -0.1414887 | 0.01053635 | 1 |
| <i>FAM127A</i> | -0.1414985 | 0.01053089 | 1 |
| <i>C1orf161</i> | -0.1415114 | 0.01052381 | 1 |
| <i>FGL1</i> | -0.1415919 | 0.0104794 | 1 |
| <i>HOXD10</i> | -0.1416452 | 0.01045004 | 1 |
| <i>C14orf183</i> | -0.1416746 | 0.01043395 | 1 |
| <i>NT5C1A</i> | -0.1417223 | 0.01040779 | 1 |
| <i>FCAMR</i> | -0.1417338 | 0.01040151 | 1 |
| <i>L1TD1</i> | -0.1417601 | 0.01038715 | 1 |
| <i>SERF2</i> | -0.1417912 | 0.01037017 | 1 |
| <i>GJC2</i> | -0.1418228 | 0.01035293 | 1 |
| <i>PGAM1</i> | -0.1419518 | 0.01028286 | 1 |
| <i>GABARAPL2</i> | -0.1419588 | 0.01027906 | 1 |

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| <i>C1orf111</i> | -0.1419728 | 0.0102715 | 1 |
| <i>TMEM22</i> | -0.1419741 | 0.01027079 | 1 |
| <i>MICAL1</i> | -0.1420247 | 0.01024349 | 1 |
| <i>TBCC</i> | -0.1421588 | 0.01017134 | 1 |
| <i>VPS11</i> | -0.1421616 | 0.01016983 | 1 |
| <i>KIAA0368</i> | -0.1421664 | 0.01016727 | 1 |
| <i>LOC728276</i> | -0.1421749 | 0.01016272 | 1 |
| <i>MXRA7</i> | -0.1421828 | 0.01015847 | 1 |
| <i>C14orf86</i> | -0.1422135 | 0.01014203 | 1 |
| <i>SCEL</i> | -0.1422174 | 0.01013993 | 1 |
| <i>NME3</i> | -0.14228 | 0.01010651 | 1 |
| <i>CATSPERB</i> | -0.1423419 | 0.01007354 | 1 |
| <i>FAM160B1</i> | -0.1423946 | 0.01004556 | 1 |
| <i>C15orf57</i> | -0.142447 | 0.01001783 | 1 |
| <i>ZNF813</i> | -0.1424773 | 0.01000182 | 1 |
| <i>SURF4</i> | -0.1424873 | 0.00999651 | 1 |
| <i>C17orf48</i> | -0.1424942 | 0.0099929 | 1 |
| <i>HIP1R</i> | -0.1425479 | 0.00996457 | 1 |
| <i>SLC7A7</i> | -0.1425904 | 0.00994221 | 1 |
| <i>MDH1</i> | -0.1426273 | 0.00992284 | 1 |
| <i>NDUFA10</i> | -0.1427094 | 0.00987983 | 1 |
| <i>AEBP1</i> | -0.1427341 | 0.00986696 | 1 |
| <i>LRRFIP1</i> | -0.142788 | 0.00983884 | 1 |
| <i>TWSG1</i> | -0.1428003 | 0.00983246 | 1 |
| <i>UOX</i> | -0.1429395 | 0.00976023 | 1 |
| <i>GSDMD</i> | -0.142952 | 0.0097538 | 1 |
| <i>CYB5R1</i> | -0.1429571 | 0.00975115 | 1 |
| <i>CERKL</i> | -0.1429811 | 0.00973876 | 1 |
| <i>NCRNA0009</i> | -0.1431034 | 0.00967586 | 1 |
| <i>PCNT</i> | -0.1431479 | 0.00965304 | 1 |
| <i>DUOX1</i> | -0.1431524 | 0.00965072 | 1 |
| <i>ARAP2</i> | -0.1431844 | 0.00963439 | 1 |
| <i>MORN1</i> | -0.1432558 | 0.00959794 | 1 |
| <i>GATA5</i> | -0.1432733 | 0.00958902 | 1 |
| <i>RAB21</i> | -0.1433973 | 0.00952611 | 1 |
| <i>XAF1</i> | -0.1435292 | 0.0094596 | 1 |
| <i>OR1L8</i> | -0.143577 | 0.00943556 | 1 |
| <i>ADRA1D</i> | -0.1436199 | 0.00941406 | 1 |
| <i>KCNC3</i> | -0.1436424 | 0.0094028 | 1 |
| <i>C6orf165</i> | -0.1436584 | 0.0093948 | 1 |
| <i>IFNA2</i> | -0.1438932 | 0.00927814 | 1 |
| <i>IDO1</i> | -0.1439013 | 0.00927412 | 1 |
| <i>MAP1LC3B</i> | -0.1440455 | 0.00920314 | 1 |
| <i>TTC15</i> | -0.1440829 | 0.00918479 | 1 |
| <i>TGFB3</i> | -0.1441256 | 0.0091639 | 1 |
| <i>FAM174A</i> | -0.1442243 | 0.00911575 | 1 |
| <i>ZC3H7A</i> | -0.1442276 | 0.00911414 | 1 |
| <i>SLC12A7</i> | -0.144238 | 0.00910911 | 1 |
| <i>PPIEL</i> | -0.1442816 | 0.00908794 | 1 |
| <i>IL17RE</i> | -0.1443128 | 0.00907279 | 1 |
| <i>NCKIPSD</i> | -0.1443516 | 0.00905399 | 1 |

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| <i>UACA</i> | -0.1443551 | 0.00905231 | 1 |
| <i>CNP</i> | -0.1443817 | 0.00903948 | 1 |
| <i>CPT1C</i> | -0.1444323 | 0.00901507 | 1 |
| <i>KIAA1383</i> | -0.1444642 | 0.00899969 | 1 |
| <i>GTF2IRD2P1</i> | -0.144516 | 0.00897479 | 1 |
| <i>PLA2G4C</i> | -0.1445821 | 0.00894312 | 1 |
| <i>RIC8B</i> | -0.1445909 | 0.00893895 | 1 |
| <i>IMPACT</i> | -0.1446062 | 0.00893163 | 1 |
| <i>MUC17</i> | -0.1446165 | 0.0089267 | 1 |
| <i>LPAR6</i> | -0.1446397 | 0.00891564 | 1 |
| <i>AMIGO3</i> | -0.1446472 | 0.00891207 | 1 |
| <i>ICOSLG</i> | -0.1447225 | 0.00887621 | 1 |
| <i>LRG1</i> | -0.1447305 | 0.00887239 | 1 |
| <i>PKD2L2</i> | -0.1447727 | 0.00885238 | 1 |
| <i>GOLGA5</i> | -0.1448178 | 0.00883104 | 1 |
| <i>NRN1</i> | -0.1448192 | 0.00883036 | 1 |
| <i>TBCEL</i> | -0.1449352 | 0.00877562 | 1 |
| <i>CAPN6</i> | -0.1449354 | 0.00877554 | 1 |
| <i>MGC21881</i> | -0.1449375 | 0.00877457 | 1 |
| <i>PYROXD1</i> | -0.1450144 | 0.00873847 | 1 |
| <i>LSAMP</i> | -0.145044 | 0.00872462 | 1 |
| <i>C4orf3</i> | -0.1450487 | 0.00872239 | 1 |
| <i>SLC9A11</i> | -0.1451222 | 0.00868805 | 1 |
| <i>TBX10</i> | -0.1452202 | 0.00864251 | 1 |
| <i>GPR37</i> | -0.145231 | 0.00863749 | 1 |
| <i>PCDH12</i> | -0.1452436 | 0.00863165 | 1 |
| <i>RPS6KC1</i> | -0.1452935 | 0.00860854 | 1 |
| <i>PABPC4L</i> | -0.1453432 | 0.00858557 | 1 |
| <i>HLA-L</i> | -0.1454116 | 0.00855409 | 1 |
| <i>ANO1</i> | -0.1454263 | 0.00854733 | 1 |
| <i>TCP10L</i> | -0.1455045 | 0.00851146 | 1 |
| <i>GOLGA2B</i> | -0.1456127 | 0.00846207 | 1 |
| <i>TTC39A</i> | -0.1456346 | 0.00845209 | 1 |
| <i>TMX1</i> | -0.1456582 | 0.00844136 | 1 |
| <i>HEY2</i> | -0.1456755 | 0.0084335 | 1 |
| <i>PLCXD1</i> | -0.1457937 | 0.00837999 | 1 |
| <i>CCDC136</i> | -0.1457975 | 0.0083783 | 1 |
| <i>IGDCC3</i> | -0.1458891 | 0.00833703 | 1 |
| <i>C6orf147</i> | -0.1460436 | 0.00826783 | 1 |
| <i>TAP2</i> | -0.146102 | 0.00824181 | 1 |
| <i>DMRT2</i> | -0.1461349 | 0.00822719 | 1 |
| <i>SERPINC1</i> | -0.1461901 | 0.00820272 | 1 |
| <i>TPD52</i> | -0.1462278 | 0.00818602 | 1 |
| <i>SH3D20</i> | -0.1462696 | 0.00816759 | 1 |
| <i>HIST1H4F</i> | -0.1463031 | 0.00815282 | 1 |
| <i>NRSN2</i> | -0.1463504 | 0.00813199 | 1 |
| <i>FOXH1</i> | -0.1463762 | 0.00812067 | 1 |
| <i>XPNPEP1</i> | -0.1464064 | 0.00810742 | 1 |
| <i>HAGH</i> | -0.1464104 | 0.00810568 | 1 |
| <i>NLRP6</i> | -0.1464237 | 0.00809983 | 1 |
| <i>TFF1</i> | -0.1464257 | 0.00809898 | 1 |

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| <i>ANXA6</i> | -0.1465017 | 0.00806574 | 1 |
| <i>DNAJC3</i> | -0.146518 | 0.00805862 | 1 |
| <i>GOLPH3</i> | -0.1465602 | 0.00804023 | 1 |
| <i>ORMDL2</i> | -0.1465916 | 0.00802658 | 1 |
| <i>MGC15885</i> | -0.1467111 | 0.00797481 | 1 |
| <i>ZNF613</i> | -0.1467158 | 0.00797281 | 1 |
| <i>C1orf51</i> | -0.1467496 | 0.00795822 | 1 |
| <i>LGI2</i> | -0.1468236 | 0.00792634 | 1 |
| <i>ZFAT</i> | -0.1468543 | 0.0079132 | 1 |
| <i>DNAL4</i> | -0.1468754 | 0.00790414 | 1 |
| <i>OPRK1</i> | -0.1468794 | 0.00790241 | 1 |
| <i>PDZD3</i> | -0.146922 | 0.00788419 | 1 |
| <i>TEDDM1</i> | -0.1469231 | 0.0078837 | 1 |
| <i>ZNF569</i> | -0.1469719 | 0.00786288 | 1 |
| <i>C17orf66</i> | -0.1470329 | 0.00783691 | 1 |
| <i>CCDC149</i> | -0.1470479 | 0.00783051 | 1 |
| <i>GLOD5</i> | -0.1471403 | 0.00779135 | 1 |
| <i>TMEM55B</i> | -0.1472174 | 0.00775876 | 1 |
| <i>FBXL16</i> | -0.1472746 | 0.00773469 | 1 |
| <i>NXF3</i> | -0.1473345 | 0.00770955 | 1 |
| <i>SLC9A3R2</i> | -0.1473937 | 0.00768478 | 1 |
| <i>GLP1R</i> | -0.147398 | 0.00768298 | 1 |
| <i>FLJ26850</i> | -0.1474064 | 0.00767948 | 1 |
| <i>GAN</i> | -0.1474309 | 0.00766926 | 1 |
| <i>RTN2</i> | -0.1474887 | 0.00764516 | 1 |
| <i>FAM26E</i> | -0.1475168 | 0.00763349 | 1 |
| <i>AFAP1L1</i> | -0.1475359 | 0.00762553 | 1 |
| <i>ZNF704</i> | -0.1475452 | 0.00762168 | 1 |
| <i>SDCBP</i> | -0.147674 | 0.00756844 | 1 |
| <i>OR2A4</i> | -0.1477771 | 0.00752601 | 1 |
| <i>SUCLG1</i> | -0.1478642 | 0.00749037 | 1 |
| <i>C21orf71</i> | -0.1479552 | 0.00745327 | 1 |
| <i>FOLR4</i> | -0.1479754 | 0.00744506 | 1 |
| <i>AP3B1</i> | -0.1480526 | 0.00741377 | 1 |
| <i>HPS5</i> | -0.1480716 | 0.0074061 | 1 |
| <i>PON1</i> | -0.1480974 | 0.00739566 | 1 |
| <i>HIGD2A</i> | -0.1481302 | 0.0073824 | 1 |
| <i>SLC15A1</i> | -0.148155 | 0.00737242 | 1 |
| <i>EMR2</i> | -0.1481931 | 0.00735709 | 1 |
| <i>HOOK2</i> | -0.1483959 | 0.007276 | 1 |
| <i>AASS</i> | -0.1484445 | 0.00725666 | 1 |
| <i>CRMP1</i> | -0.1484888 | 0.0072391 | 1 |
| <i>KRTAP5-8</i> | -0.1484942 | 0.00723696 | 1 |
| <i>NUDT12</i> | -0.1485598 | 0.007211 | 1 |
| <i>PLK2</i> | -0.1485644 | 0.0072092 | 1 |
| <i>MINPP1</i> | -0.1486074 | 0.00719221 | 1 |
| <i>PYDC1</i> | -0.1486091 | 0.00719154 | 1 |
| <i>PIM1</i> | -0.1486444 | 0.00717766 | 1 |
| <i>EBF2</i> | -0.1487835 | 0.00712316 | 1 |
| <i>DEGS2</i> | -0.1487985 | 0.00711729 | 1 |
| <i>LOC145845</i> | -0.1488044 | 0.00711499 | 1 |

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| ZNF702P | -0.1488472 | 0.00709831 | 1 |
| ADAM29 | -0.1488542 | 0.00709557 | 1 |
| PHF2 | -0.1488742 | 0.00708779 | 1 |
| C1orf84 | -0.1488966 | 0.00707912 | 1 |
| KIAA1377 | -0.1489153 | 0.00707185 | 1 |
| ZNF204P | -0.1490338 | 0.00702598 | 1 |
| TAC4 | -0.1490352 | 0.00702546 | 1 |
| DSCAM | -0.1490824 | 0.00700729 | 1 |
| ATF6 | -0.1490875 | 0.0070053 | 1 |
| TMEM104 | -0.1491415 | 0.00698457 | 1 |
| BAGE2 | -0.1492076 | 0.00695923 | 1 |
| C4orf33 | -0.1492464 | 0.00694442 | 1 |
| HP1BP3 | -0.1492615 | 0.00693864 | 1 |
| PELI3 | -0.1492953 | 0.00692575 | 1 |
| MYH8 | -0.1493705 | 0.00689718 | 1 |
| ALMS1P | -0.1493926 | 0.00688878 | 1 |
| TMBIM4 | -0.1494501 | 0.00686702 | 1 |
| ENPP4 | -0.1495656 | 0.00682351 | 1 |
| GADD45A | -0.1495879 | 0.00681513 | 1 |
| BTBD17 | -0.1496352 | 0.0067974 | 1 |
| WNT10A | -0.1496494 | 0.00679209 | 1 |
| BDH2 | -0.1496716 | 0.00678375 | 1 |
| TRIM6 | -0.1497202 | 0.00676561 | 1 |
| WAC | -0.1497489 | 0.00675492 | 1 |
| ZFP36L2 | -0.149805 | 0.00673404 | 1 |
| ZNF17 | -0.1498302 | 0.00672469 | 1 |
| KIRREL | -0.1498961 | 0.0067003 | 1 |
| CDK2AP2 | -0.1500953 | 0.00662701 | 1 |
| CYP11B1 | -0.1502102 | 0.00658507 | 1 |
| TUSC1 | -0.1502599 | 0.00656699 | 1 |
| TMED6 | -0.1503284 | 0.00654216 | 1 |
| CCDC144NL | -0.1504054 | 0.00651432 | 1 |
| 4-Sep | -0.1504186 | 0.00650958 | 1 |
| GLRX5 | -0.1504365 | 0.00650312 | 1 |
| KIAA0802 | -0.1504558 | 0.00649619 | 1 |
| GIMAP2 | -0.1505592 | 0.0064591 | 1 |
| RBPJ | -0.1506449 | 0.00642848 | 1 |
| POM121L2 | -0.1506562 | 0.00642446 | 1 |
| SCN2A | -0.1508534 | 0.00635459 | 1 |
| ACSM4 | -0.1509055 | 0.00633623 | 1 |
| IGFBPL1 | -0.1509873 | 0.00630752 | 1 |
| KIF7 | -0.1510317 | 0.00629198 | 1 |
| P4HB | -0.1511135 | 0.00626345 | 1 |
| TEAD3 | -0.1511187 | 0.00626165 | 1 |
| GTSF1L | -0.1511847 | 0.00623872 | 1 |
| NDUFAF1 | -0.1512234 | 0.00622532 | 1 |
| VEZF1 | -0.1512826 | 0.00620485 | 1 |
| TMEM26 | -0.1512975 | 0.0061997 | 1 |
| PEX14 | -0.151302 | 0.00619815 | 1 |
| CHTF8 | -0.1513097 | 0.00619552 | 1 |
| C17orf50 | -0.1513133 | 0.00619426 | 1 |

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| <i>PAF1</i> | -0.1513516 | 0.00618107 | 1 |
| <i>TTC7B</i> | -0.151361 | 0.00617783 | 1 |
| <i>TAS2R41</i> | -0.1514063 | 0.00616229 | 1 |
| <i>METRNL</i> | -0.1514142 | 0.00615959 | 1 |
| <i>ARID1B</i> | -0.151529 | 0.00612031 | 1 |
| <i>IBTK</i> | -0.1515736 | 0.00610514 | 1 |
| <i>ANXA1</i> | -0.1515903 | 0.00609947 | 1 |
| <i>WINK2</i> | -0.1516146 | 0.0060912 | 1 |
| <i>ALS2CR11</i> | -0.1516512 | 0.00607878 | 1 |
| <i>ITFG3</i> | -0.1516724 | 0.00607162 | 1 |
| <i>RAP1B</i> | -0.1517309 | 0.00605184 | 1 |
| <i>ABCB9</i> | -0.1517975 | 0.00602939 | 1 |
| <i>MAGEL2</i> | -0.1518271 | 0.00601945 | 1 |
| <i>OVOL2</i> | -0.1519642 | 0.00597354 | 1 |
| <i>ZNF548</i> | -0.1520116 | 0.00595774 | 1 |
| <i>ZNF157</i> | -0.1522383 | 0.00588273 | 1 |
| <i>SNAPC2</i> | -0.152326 | 0.00585392 | 1 |
| <i>TMEM136</i> | -0.1523506 | 0.00584586 | 1 |
| <i>SEC62</i> | -0.1523644 | 0.00584137 | 1 |
| <i>VPS8</i> | -0.152472 | 0.00580627 | 1 |
| <i>ANKRD7</i> | -0.1524733 | 0.00580586 | 1 |
| <i>LOC285847</i> | -0.1526204 | 0.0057582 | 1 |
| <i>CCDC111</i> | -0.1527952 | 0.00570201 | 1 |
| <i>CFHR1</i> | -0.1528982 | 0.00566916 | 1 |
| <i>KLHL36</i> | -0.1529167 | 0.00566326 | 1 |
| <i>ABCA2</i> | -0.1530026 | 0.00563601 | 1 |
| <i>C6orf122</i> | -0.153003 | 0.00563588 | 1 |
| <i>PXT1</i> | -0.1530209 | 0.0056302 | 1 |
| <i>DPP4</i> | -0.1530392 | 0.0056244 | 1 |
| <i>SOLH</i> | -0.1532643 | 0.00555369 | 1 |
| <i>CSDC2</i> | -0.1532721 | 0.00555124 | 1 |
| <i>ILDR2</i> | -0.1532727 | 0.00555106 | 1 |
| <i>SEC22B</i> | -0.1533032 | 0.00554152 | 1 |
| <i>KIR2DL1</i> | -0.1533073 | 0.00554026 | 1 |
| <i>C9orf172</i> | -0.153458 | 0.00549344 | 1 |
| <i>KLKP1</i> | -0.1534595 | 0.00549298 | 1 |
| <i>GDF10</i> | -0.1534759 | 0.00548792 | 1 |
| <i>YJEFN3</i> | -0.1534775 | 0.00548743 | 1 |
| <i>C13orf26</i> | -0.1534789 | 0.00548698 | 1 |
| <i>OR14A16</i> | -0.15366 | 0.00543126 | 1 |
| <i>SPIC</i> | -0.1536898 | 0.00542214 | 1 |
| <i>DLK1</i> | -0.1537723 | 0.00539697 | 1 |
| <i>LOC401431</i> | -0.1537912 | 0.00539122 | 1 |
| <i>CD8B</i> | -0.1538181 | 0.00538302 | 1 |
| <i>BCORL2</i> | -0.1538202 | 0.00538239 | 1 |
| <i>KIAA0562</i> | -0.1539062 | 0.00535632 | 1 |
| <i>TET3</i> | -0.1539358 | 0.00534738 | 1 |
| <i>PCDH20</i> | -0.1539542 | 0.00534182 | 1 |
| <i>HMGCR</i> | -0.153969 | 0.00533735 | 1 |
| <i>KLK14</i> | -0.1541371 | 0.00528689 | 1 |
| <i>SHF</i> | -0.1542064 | 0.0052662 | 1 |

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| <i>ZNF180</i> | -0.1542349 | 0.00525771 | 1 |
| <i>ASTL</i> | -0.1543131 | 0.00523448 | 1 |
| <i>CBL</i> | -0.1544672 | 0.00518903 | 1 |
| <i>NCRNA0016</i> | -0.1544946 | 0.00518097 | 1 |
| <i>KIAA1486</i> | -0.1545071 | 0.0051773 | 1 |
| <i>FTMT</i> | -0.1545406 | 0.00516749 | 1 |
| <i>CTSC</i> | -0.1546621 | 0.00513201 | 1 |
| <i>LOC149837</i> | -0.1547559 | 0.00510476 | 1 |
| <i>MECP2</i> | -0.1549001 | 0.00506315 | 1 |
| <i>CALCRL</i> | -0.1549006 | 0.00506301 | 1 |
| <i>FBXW2</i> | -0.1549677 | 0.00504375 | 1 |
| <i>LAMB2L</i> | -0.154971 | 0.00504278 | 1 |
| <i>HAPLN2</i> | -0.1550281 | 0.00502647 | 1 |
| <i>P2RY11</i> | -0.1550504 | 0.0050201 | 1 |
| <i>LOC1001339</i> | -0.1550697 | 0.00501458 | 1 |
| <i>ALX3</i> | -0.155116 | 0.0050014 | 1 |
| <i>FAM126A</i> | -0.1551325 | 0.00499672 | 1 |
| <i>PQLC2</i> | -0.1551361 | 0.0049957 | 1 |
| <i>DFNA5</i> | -0.1551424 | 0.00499391 | 1 |
| <i>PPP1R11</i> | -0.1551658 | 0.00498726 | 1 |
| <i>?90288</i> | -0.1552036 | 0.00497655 | 1 |
| <i>CYP1A1</i> | -0.1552334 | 0.00496811 | 1 |
| <i>CCDC71</i> | -0.1552662 | 0.00495884 | 1 |
| <i>RAD52</i> | -0.1552723 | 0.00495714 | 1 |
| <i>EMID1</i> | -0.1553246 | 0.00494241 | 1 |
| <i>KIAA1267</i> | -0.1554288 | 0.00491316 | 1 |
| <i>STRADB</i> | -0.155457 | 0.00490528 | 1 |
| <i>C11orf52</i> | -0.1555737 | 0.00487275 | 1 |
| <i>C16orf81</i> | -0.1555755 | 0.00487224 | 1 |
| <i>ANKRD40</i> | -0.1556462 | 0.00485264 | 1 |
| <i>DYTN</i> | -0.1556574 | 0.00484956 | 1 |
| <i>SLC26A11</i> | -0.1557082 | 0.00483552 | 1 |
| <i>THRSP</i> | -0.1557133 | 0.00483411 | 1 |
| <i>RFTN2</i> | -0.1559577 | 0.00476713 | 1 |
| <i>KCNAB3</i> | -0.1560314 | 0.00474708 | 1 |
| <i>TPTE2P1</i> | -0.1560497 | 0.00474213 | 1 |
| <i>OR5K1</i> | -0.1561314 | 0.00472001 | 1 |
| <i>CENPC1</i> | -0.1561425 | 0.00471702 | 1 |
| <i>MARVELD2</i> | -0.156175 | 0.00470826 | 1 |
| <i>RNF169</i> | -0.1561799 | 0.00470694 | 1 |
| <i>MOG</i> | -0.1561845 | 0.0047057 | 1 |
| <i>ZBTB45</i> | -0.1563895 | 0.00465081 | 1 |
| <i>PROL1</i> | -0.1564051 | 0.00464666 | 1 |
| <i>C14orf115</i> | -0.1564214 | 0.00464232 | 1 |
| <i>ITGB1</i> | -0.1565827 | 0.00459959 | 1 |
| <i>TCEANC</i> | -0.1566314 | 0.00458678 | 1 |
| <i>PRPSAP2</i> | -0.156645 | 0.0045832 | 1 |
| <i>KCNK5</i> | -0.1567951 | 0.00454387 | 1 |
| <i>PEBP4</i> | -0.1568652 | 0.00452564 | 1 |
| <i>SETD3</i> | -0.156871 | 0.00452412 | 1 |
| <i>OTOF</i> | -0.1568805 | 0.00452166 | 1 |

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| <i>WFDC2</i> | -0.1569691 | 0.00449871 | 1 |
| <i>SPINT2</i> | -0.1570337 | 0.00448203 | 1 |
| <i>LOC344595</i> | -0.1571068 | 0.00446322 | 1 |
| <i>LMAN1</i> | -0.1571877 | 0.00444251 | 1 |
| <i>ZYG11A</i> | -0.1572685 | 0.00442189 | 1 |
| <i>KCNH6</i> | -0.1573571 | 0.00439939 | 1 |
| <i>MCHR1</i> | -0.1573901 | 0.00439104 | 1 |
| <i>THPO</i> | -0.1574425 | 0.00437782 | 1 |
| <i>SCAND3</i> | -0.1575493 | 0.00435093 | 1 |
| <i>KLF17</i> | -0.1575549 | 0.00434955 | 1 |
| <i>CYB561D2</i> | -0.1576235 | 0.00433237 | 1 |
| <i>TNRC6A</i> | -0.1576452 | 0.00432695 | 1 |
| <i>IL12B</i> | -0.1577063 | 0.00431173 | 1 |
| <i>DEFA4</i> | -0.1577093 | 0.00431099 | 1 |
| <i>EML3</i> | -0.1577948 | 0.00428975 | 1 |
| <i>CYP3A5</i> | -0.1578287 | 0.00428137 | 1 |
| <i>LOC400657</i> | -0.1578396 | 0.00427867 | 1 |
| <i>GALNS</i> | -0.1578874 | 0.00426689 | 1 |
| <i>GJA1</i> | -0.1578973 | 0.00426444 | 1 |
| <i>EPS8L2</i> | -0.1579932 | 0.00424088 | 1 |
| <i>BCL8</i> | -0.1580079 | 0.00423728 | 1 |
| <i>ZNF648</i> | -0.1580095 | 0.00423688 | 1 |
| <i>STK33</i> | -0.1580116 | 0.00423636 | 1 |
| <i>FRMPD1</i> | -0.1581318 | 0.00420701 | 1 |
| <i>C9orf144B</i> | -0.158151 | 0.00420236 | 1 |
| <i>FH</i> | -0.1581517 | 0.00420218 | 1 |
| <i>PKIA</i> | -0.1581824 | 0.00419473 | 1 |
| <i>XKR3</i> | -0.1581883 | 0.0041933 | 1 |
| <i>CNTNAP5</i> | -0.158262 | 0.00417544 | 1 |
| <i>FUT10</i> | -0.158319 | 0.0041617 | 1 |
| <i>ZNF778</i> | -0.1583509 | 0.00415401 | 1 |
| <i>FAM171A1</i> | -0.1584095 | 0.00413994 | 1 |
| <i>ASB16</i> | -0.1585543 | 0.00410535 | 1 |
| <i>C20orf132</i> | -0.1585909 | 0.00409664 | 1 |
| <i>C21orf67</i> | -0.1585975 | 0.00409506 | 1 |
| <i>SHD</i> | -0.1586398 | 0.00408503 | 1 |
| <i>ALDH8A1</i> | -0.1587326 | 0.00406309 | 1 |
| <i>FLJ39582</i> | -0.15878 | 0.00405193 | 1 |
| <i>GNAZ</i> | -0.1587946 | 0.00404849 | 1 |
| <i>HGF</i> | -0.1588127 | 0.00404425 | 1 |
| <i>EIF3L</i> | -0.1589181 | 0.00401956 | 1 |
| <i>FLYWCH2</i> | -0.1589261 | 0.0040177 | 1 |
| <i>LPAR4</i> | -0.1589605 | 0.00400967 | 1 |
| <i>RAP2B</i> | -0.1589879 | 0.00400329 | 1 |
| <i>ZNF429</i> | -0.159009 | 0.00399839 | 1 |
| <i>DNAJB12</i> | -0.1590204 | 0.00399574 | 1 |
| <i>ASH2L</i> | -0.1590588 | 0.00398684 | 1 |
| <i>ANKRD50</i> | -0.1591125 | 0.0039744 | 1 |
| <i>MPZL3</i> | -0.1592852 | 0.00393465 | 1 |
| <i>BCL6B</i> | -0.159424 | 0.00390299 | 1 |
| <i>PLA2G6</i> | -0.1594434 | 0.00389857 | 1 |

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| <i>INSRR</i> | -0.15953 | 0.00387894 | 1 |
| <i>MAP3K5</i> | -0.1595758 | 0.00386861 | 1 |
| <i>PDE11A</i> | -0.1597125 | 0.00383789 | 1 |
| <i>C5orf42</i> | -0.159758 | 0.00382769 | 1 |
| <i>PIK3R3</i> | -0.1598031 | 0.00381764 | 1 |
| <i>SLC5A3</i> | -0.1598258 | 0.00381257 | 1 |
| <i>SATB1</i> | -0.1598321 | 0.00381118 | 1 |
| <i>FBXO33</i> | -0.1598897 | 0.00379837 | 1 |
| <i>NPPA</i> | -0.1599482 | 0.00378541 | 1 |
| <i>SLC6A18</i> | -0.1600996 | 0.00375207 | 1 |
| <i>SRCAP</i> | -0.1601361 | 0.00374406 | 1 |
| <i>GDA</i> | -0.1602193 | 0.00372587 | 1 |
| <i>SDS</i> | -0.1603399 | 0.00369966 | 1 |
| <i>F11R</i> | -0.1604307 | 0.00368004 | 1 |
| <i>LOC647121</i> | -0.1604318 | 0.00367981 | 1 |
| <i>ADORA1</i> | -0.1605084 | 0.00366333 | 1 |
| <i>ARHGAP12</i> | -0.1605353 | 0.00365755 | 1 |
| <i>CES1</i> | -0.1605662 | 0.00365093 | 1 |
| <i>EVI5</i> | -0.1605919 | 0.00364544 | 1 |
| <i>ZNF512</i> | -0.1606629 | 0.00363028 | 1 |
| <i>ZNF167</i> | -0.1608369 | 0.00359339 | 1 |
| <i>PDE6C</i> | -0.161002 | 0.00355871 | 1 |
| <i>DNTT</i> | -0.161056 | 0.00354743 | 1 |
| <i>UBE2J2</i> | -0.161141 | 0.00352974 | 1 |
| <i>HBBP1</i> | -0.1611413 | 0.00352968 | 1 |
| <i>GRIP1</i> | -0.1611639 | 0.00352499 | 1 |
| <i>NLRP14</i> | -0.1611792 | 0.00352183 | 1 |
| <i>GGT5</i> | -0.1612313 | 0.00351105 | 1 |
| <i>S100A16</i> | -0.161237 | 0.00350986 | 1 |
| <i>RARB</i> | -0.161257 | 0.00350574 | 1 |
| <i>AGBL4</i> | -0.1612737 | 0.00350229 | 1 |
| <i>CST3</i> | -0.1613135 | 0.00349409 | 1 |
| <i>ACVR1B</i> | -0.161323 | 0.00349214 | 1 |
| <i>SPHK2</i> | -0.1614442 | 0.0034673 | 1 |
| <i>TSGA10IP</i> | -0.1614777 | 0.00346046 | 1 |
| <i>C20orf201</i> | -0.1614787 | 0.00346026 | 1 |
| <i>KIAA1279</i> | -0.1615535 | 0.00344503 | 1 |
| <i>LCN8</i> | -0.1615554 | 0.00344466 | 1 |
| <i>GALC</i> | -0.1615632 | 0.00344306 | 1 |
| <i>ANKS4B</i> | -0.1616062 | 0.00343434 | 1 |
| <i>HTR5A</i> | -0.1616326 | 0.00342899 | 1 |
| <i>TPTE2</i> | -0.161714 | 0.00341257 | 1 |
| <i>NDUFB10</i> | -0.1617266 | 0.00341004 | 1 |
| <i>CABLES1</i> | -0.1617785 | 0.00339961 | 1 |
| <i>MIMT1</i> | -0.1617795 | 0.00339942 | 1 |
| <i>MAP1S</i> | -0.161842 | 0.00338688 | 1 |
| <i>PCDHB18</i> | -0.1620201 | 0.00335144 | 1 |
| <i>NCRNA0020</i> | -0.1620292 | 0.00334964 | 1 |
| <i>SLC6A7</i> | -0.1620296 | 0.00334956 | 1 |
| <i>RMND5B</i> | -0.162083 | 0.00333901 | 1 |
| <i>MBL2</i> | -0.162086 | 0.0033384 | 1 |

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| <i>SLC22A9</i> | -0.1621367 | 0.0033284 | 1 |
| <i>SRGAP3</i> | -0.1621596 | 0.0033239 | 1 |
| <i>SLC43A2</i> | -0.162231 | 0.0033099 | 1 |
| <i>C10orf129</i> | -0.1622981 | 0.00329677 | 1 |
| <i>NAPRT1</i> | -0.1623344 | 0.00328969 | 1 |
| <i>DGCR8</i> | -0.1623738 | 0.00328203 | 1 |
| <i>GK5</i> | -0.1623912 | 0.00327866 | 1 |
| <i>DBX2</i> | -0.1624922 | 0.0032591 | 1 |
| <i>TLR4</i> | -0.1625116 | 0.00325534 | 1 |
| <i>SH3RF2</i> | -0.1625429 | 0.0032493 | 1 |
| <i>RIMS2</i> | -0.1625935 | 0.00323957 | 1 |
| <i>C21orf82</i> | -0.1626492 | 0.00322889 | 1 |
| <i>RRBP1</i> | -0.1626532 | 0.00322812 | 1 |
| <i>RAPSN</i> | -0.1627063 | 0.00321798 | 1 |
| <i>UBE2L6</i> | -0.1628144 | 0.00319739 | 1 |
| <i>SLC6A5</i> | -0.1628875 | 0.00318355 | 1 |
| <i>GPR85</i> | -0.1629564 | 0.00317054 | 1 |
| <i>DCAF8</i> | -0.1629619 | 0.00316951 | 1 |
| <i>CC2D1A</i> | -0.1629916 | 0.00316392 | 1 |
| <i>TFF2</i> | -0.1630047 | 0.00316145 | 1 |
| <i>PPP1R15B</i> | -0.1630783 | 0.00314764 | 1 |
| <i>UPB1</i> | -0.1631069 | 0.0031423 | 1 |
| <i>IFIT3</i> | -0.1631251 | 0.0031389 | 1 |
| <i>ADPRH</i> | -0.1631686 | 0.0031308 | 1 |
| <i>GDF5</i> | -0.163188 | 0.00312718 | 1 |
| <i>ARL15</i> | -0.1632321 | 0.00311898 | 1 |
| <i>KRT86</i> | -0.1633369 | 0.0030996 | 1 |
| <i>FLJ42709</i> | -0.1633447 | 0.00309816 | 1 |
| <i>ARHGAP5</i> | -0.1633496 | 0.00309726 | 1 |
| <i>ACTN3</i> | -0.163506 | 0.00306854 | 1 |
| <i>TRPC1</i> | -0.1635277 | 0.00306456 | 1 |
| <i>ZNF1</i> | -0.1635396 | 0.00306239 | 1 |
| <i>BMPR1A</i> | -0.1635434 | 0.0030617 | 1 |
| <i>C1QL3</i> | -0.1635846 | 0.00305418 | 1 |
| <i>PCCB</i> | -0.1636282 | 0.00304625 | 1 |
| <i>C20orf54</i> | -0.1636945 | 0.00303423 | 1 |
| <i>ZDHHC19</i> | -0.1637568 | 0.00302298 | 1 |
| <i>BTG2</i> | -0.1637862 | 0.00301767 | 1 |
| <i>BECN1</i> | -0.1637894 | 0.00301709 | 1 |
| <i>TMEM163</i> | -0.1638429 | 0.00300748 | 1 |
| <i>USP3</i> | -0.1639092 | 0.0029956 | 1 |
| <i>REC8</i> | -0.1640151 | 0.00297671 | 1 |
| <i>FPR2</i> | -0.1641861 | 0.00294642 | 1 |
| <i>USP6</i> | -0.1642618 | 0.00293311 | 1 |
| <i>GPSM1</i> | -0.1642697 | 0.00293171 | 1 |
| <i>TMEM110</i> | -0.1643003 | 0.00292635 | 1 |
| <i>CABP1</i> | -0.1643005 | 0.00292633 | 1 |
| <i>ABCB1</i> | -0.1644242 | 0.00290472 | 1 |
| <i>DACT1</i> | -0.1644346 | 0.00290291 | 1 |
| <i>FFAR1</i> | -0.1644563 | 0.00289914 | 1 |
| <i>USP47</i> | -0.1645751 | 0.00287858 | 1 |

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| <i>C12orf39</i> | -0.1645923 | 0.00287562 | 1 |
| <i>OPTC</i> | -0.1645992 | 0.00287442 | 1 |
| <i>ZNF319</i> | -0.1648739 | 0.00282744 | 1 |
| <i>LRRC8A</i> | -0.1649176 | 0.00282002 | 1 |
| <i>ITGB4</i> | -0.1649808 | 0.00280935 | 1 |
| <i>STON2</i> | -0.1650779 | 0.00279299 | 1 |
| <i>LRRC14B</i> | -0.1650967 | 0.00278984 | 1 |
| <i>KLF11</i> | -0.1651311 | 0.00278408 | 1 |
| <i>KCNJ6</i> | -0.1651496 | 0.00278098 | 1 |
| <i>CYP7B1</i> | -0.1652385 | 0.00276615 | 1 |
| <i>CHST10</i> | -0.1652504 | 0.00276417 | 1 |
| <i>UGT2B7</i> | -0.165291 | 0.00275742 | 1 |
| <i>LOC1001895</i> | -0.1653181 | 0.00275294 | 1 |
| <i>MKRN3</i> | -0.1653506 | 0.00274755 | 1 |
| <i>OXSR1</i> | -0.1653551 | 0.00274681 | 1 |
| <i>C16orf71</i> | -0.1653829 | 0.00274222 | 1 |
| <i>MYOM2</i> | -0.16545 | 0.00273116 | 1 |
| <i>RIC8A</i> | -0.1656738 | 0.00269456 | 1 |
| <i>ZFH3</i> | -0.1656821 | 0.00269321 | 1 |
| <i>KCNJ1</i> | -0.165701 | 0.00269014 | 1 |
| <i>PTP4A2</i> | -0.1658409 | 0.00266753 | 1 |
| <i>PCDHA2</i> | -0.1658596 | 0.00266453 | 1 |
| <i>PBRM1</i> | -0.1658853 | 0.00266039 | 1 |
| <i>MERTK</i> | -0.1660077 | 0.0026408 | 1 |
| <i>ASB10</i> | -0.1660142 | 0.00263976 | 1 |
| <i>RRAS</i> | -0.166019 | 0.002639 | 1 |
| <i>LOC283663</i> | -0.1660826 | 0.00262887 | 1 |
| <i>NID1</i> | -0.1661156 | 0.00262363 | 1 |
| <i>ENDOG</i> | -0.1661253 | 0.00262209 | 1 |
| <i>C6orf225</i> | -0.1662074 | 0.00260912 | 1 |
| <i>NEURL3</i> | -0.1662374 | 0.00260438 | 1 |
| <i>KIRREL2</i> | -0.1664522 | 0.00257074 | 1 |
| <i>PEF1</i> | -0.1664527 | 0.00257065 | 1 |
| <i>TCTN3</i> | -0.1664782 | 0.00256669 | 1 |
| <i>AFTPH</i> | -0.1665002 | 0.00256327 | 1 |
| <i>SEPHS2</i> | -0.166514 | 0.00256113 | 1 |
| <i>CAMK1</i> | -0.1665312 | 0.00255847 | 1 |
| <i>NDUFC1</i> | -0.1665812 | 0.00255073 | 1 |
| <i>SNRPN</i> | -0.1666408 | 0.00254153 | 1 |
| <i>MUM1L1</i> | -0.1667028 | 0.00253199 | 1 |
| <i>ESPN</i> | -0.1667165 | 0.00252988 | 1 |
| <i>ACSM3</i> | -0.166752 | 0.00252444 | 1 |
| <i>MYH1</i> | -0.1667688 | 0.00252188 | 1 |
| <i>DHRS7B</i> | -0.1667834 | 0.00251964 | 1 |
| <i>NCOR2</i> | -0.1668316 | 0.00251228 | 1 |
| <i>MYL12B</i> | -0.1668461 | 0.00251008 | 1 |
| <i>C6orf226</i> | -0.1669006 | 0.00250178 | 1 |
| <i>C17orf39</i> | -0.1669285 | 0.00249756 | 1 |
| <i>RESP18</i> | -0.1669826 | 0.00248936 | 1 |
| <i>DGKD</i> | -0.1670569 | 0.00247815 | 1 |
| <i>PYGL</i> | -0.1670592 | 0.00247779 | 1 |

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| <i>NOS2</i> | -0.1670669 | 0.00247664 | 1 |
| <i>ARPC2</i> | -0.167086 | 0.00247377 | 1 |
| <i>ROM1</i> | -0.1670957 | 0.00247231 | 1 |
| <i>KLRC2</i> | -0.1671047 | 0.00247095 | 1 |
| <i>KCNJ4</i> | -0.1671221 | 0.00246834 | 1 |
| <i>RTN4RL1</i> | -0.1671982 | 0.00245696 | 1 |
| <i>PLA2G4F</i> | -0.1672046 | 0.00245599 | 1 |
| <i>TTC31</i> | -0.1672819 | 0.00244448 | 1 |
| <i>MMP2</i> | -0.1676213 | 0.00239448 | 1 |
| <i>GALNT5</i> | -0.1676464 | 0.00239081 | 1 |
| <i>ZNF488</i> | -0.1676559 | 0.00238943 | 1 |
| <i>TMEM2</i> | -0.1677013 | 0.00238283 | 1 |
| <i>CUEDC1</i> | -0.1677462 | 0.00237631 | 1 |
| <i>TFCP2L1</i> | -0.1677547 | 0.00237508 | 1 |
| <i>PDGFC</i> | -0.1678162 | 0.00236618 | 1 |
| <i>TLR2</i> | -0.1679516 | 0.00234671 | 1 |
| <i>CEP350</i> | -0.1680123 | 0.00233803 | 1 |
| <i>KLF10</i> | -0.1680343 | 0.00233489 | 1 |
| <i>TRIM23</i> | -0.1680389 | 0.00233424 | 1 |
| <i>EGR3</i> | -0.1680732 | 0.00232934 | 1 |
| <i>C4orf10</i> | -0.1680914 | 0.00232675 | 1 |
| <i>PAR-SN</i> | -0.1681482 | 0.00231869 | 1 |
| <i>ABTB2</i> | -0.1681513 | 0.00231826 | 1 |
| <i>ACBD5</i> | -0.1681977 | 0.00231168 | 1 |
| <i>SKINTL</i> | -0.1682696 | 0.00230154 | 1 |
| <i>ZSCAN1</i> | -0.1682848 | 0.0022994 | 1 |
| <i>DND1</i> | -0.1683075 | 0.00229621 | 1 |
| <i>UBE3A</i> | -0.1683956 | 0.00228387 | 1 |
| <i>KIAA0831</i> | -0.1684171 | 0.00228087 | 1 |
| <i>ISCU</i> | -0.1684473 | 0.00227666 | 1 |
| <i>TNRC6C</i> | -0.1684911 | 0.00227056 | 1 |
| <i>ZBP1</i> | -0.1685749 | 0.00225893 | 1 |
| <i>FAM178A</i> | -0.1685841 | 0.00225766 | 1 |
| <i>SPOP</i> | -0.1686035 | 0.00225497 | 1 |
| <i>SDC2</i> | -0.1686883 | 0.0022433 | 1 |
| <i>VDAC2</i> | -0.1687126 | 0.00223994 | 1 |
| <i>5-Sep</i> | -0.1689091 | 0.00221311 | 1 |
| <i>GDAP2</i> | -0.1689726 | 0.0022045 | 1 |
| <i>HBP1</i> | -0.16902 | 0.0021981 | 1 |
| <i>OR4D6</i> | -0.1691326 | 0.00218294 | 1 |
| <i>MCAM</i> | -0.1691807 | 0.0021765 | 1 |
| <i>LOC643719</i> | -0.169231 | 0.00216978 | 1 |
| <i>BICC1</i> | -0.1693588 | 0.0021528 | 1 |
| <i>ZSCAN12P1</i> | -0.1693893 | 0.00214875 | 1 |
| <i>PDE3B</i> | -0.1694112 | 0.00214586 | 1 |
| <i>SMC5</i> | -0.1694408 | 0.00214196 | 1 |
| <i>ING4</i> | -0.1694836 | 0.00213633 | 1 |
| <i>TMEM63C</i> | -0.1694898 | 0.00213551 | 1 |
| <i>ZSCAN5A</i> | -0.169565 | 0.00212564 | 1 |
| <i>GLIS1</i> | -0.1696707 | 0.00211184 | 1 |
| <i>S100A13</i> | -0.1698227 | 0.00209215 | 1 |

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| <i>LEO1</i> | -0.1699325 | 0.00207802 | 1 |
| <i>CELA3B</i> | -0.1699436 | 0.0020766 | 1 |
| <i>TAAR1</i> | -0.1699955 | 0.00206996 | 1 |
| <i>CCL15</i> | -0.1700102 | 0.00206808 | 1 |
| <i>LOC1001889</i> | -0.1700182 | 0.00206706 | 1 |
| <i>BLVRA</i> | -0.1700233 | 0.00206641 | 1 |
| <i>MED12L</i> | -0.1700338 | 0.00206507 | 1 |
| <i>SOX2</i> | -0.1700462 | 0.00206348 | 1 |
| <i>GGTLC2</i> | -0.1701073 | 0.00205571 | 1 |
| <i>NFIL3</i> | -0.170343 | 0.00202598 | 1 |
| <i>CEACAM4</i> | -0.1703492 | 0.0020252 | 1 |
| <i>DNASE2B</i> | -0.1703732 | 0.0020222 | 1 |
| <i>NOX5</i> | -0.1704161 | 0.00201684 | 1 |
| <i>MRPS11</i> | -0.1704252 | 0.0020157 | 1 |
| <i>OR1C1</i> | -0.1704415 | 0.00201367 | 1 |
| <i>FAM171A2</i> | -0.1705089 | 0.00200529 | 1 |
| <i>AGR2</i> | -0.170541 | 0.00200131 | 1 |
| <i>MAPK8</i> | -0.1705728 | 0.00199738 | 1 |
| <i>CRB3</i> | -0.1706151 | 0.00199214 | 1 |
| <i>NOL9</i> | -0.1706429 | 0.00198872 | 1 |
| <i>AMIGO1</i> | -0.1706852 | 0.00198351 | 1 |
| <i>GUSBP3</i> | -0.1708551 | 0.00196274 | 1 |
| <i>ANKRD11</i> | -0.1709173 | 0.00195518 | 1 |
| <i>IFNAR2</i> | -0.1709826 | 0.00194727 | 1 |
| <i>SCHIP1</i> | -0.1710259 | 0.00194204 | 1 |
| <i>FBXO24</i> | -0.1710341 | 0.00194106 | 1 |
| <i>ATP5J</i> | -0.1711385 | 0.00192851 | 1 |
| <i>SURF1</i> | -0.1711723 | 0.00192447 | 1 |
| <i>RDX</i> | -0.171262 | 0.00191377 | 1 |
| <i>TSSK1B</i> | -0.171302 | 0.00190902 | 1 |
| <i>RND3</i> | -0.1713126 | 0.00190777 | 1 |
| <i>TMEM98</i> | -0.1713291 | 0.0019058 | 1 |
| <i>C11orf2</i> | -0.1713334 | 0.00190529 | 1 |
| <i>IGSF1</i> | -0.1713482 | 0.00190354 | 1 |
| <i>MGC12916</i> | -0.1714061 | 0.0018967 | 1 |
| <i>BOD1L</i> | -0.1714114 | 0.00189607 | 1 |
| <i>DMD</i> | -0.171559 | 0.00187874 | 1 |
| <i>CHST12</i> | -0.1715962 | 0.00187439 | 1 |
| <i>SLC4A9</i> | -0.1716055 | 0.00187331 | 1 |
| <i>HMX1</i> | -0.1717012 | 0.00186217 | 1 |
| <i>XKR6</i> | -0.1717641 | 0.00185489 | 1 |
| <i>SOX30</i> | -0.1717933 | 0.00185152 | 1 |
| <i>PRO1768</i> | -0.1717937 | 0.00185147 | 1 |
| <i>TSC22D4</i> | -0.1718062 | 0.00185003 | 1 |
| <i>MDP1</i> | -0.1718971 | 0.00183958 | 1 |
| <i>FAM27C</i> | -0.1719746 | 0.00183071 | 1 |
| <i>UPK1B</i> | -0.1720027 | 0.0018275 | 1 |
| <i>PRKACG</i> | -0.1720207 | 0.00182545 | 1 |
| <i>LOR</i> | -0.1720321 | 0.00182415 | 1 |
| <i>SLC25A3</i> | -0.1720698 | 0.00181986 | 1 |
| <i>C6orf114</i> | -0.1720905 | 0.00181751 | 1 |

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| <i>CAPZA3</i> | -0.1721689 | 0.00180863 | 1 |
| <i>HS3ST2</i> | -0.1722159 | 0.00180334 | 1 |
| <i>ANGPTL2</i> | -0.1722858 | 0.00179547 | 1 |
| <i>APOL1</i> | -0.1725767 | 0.00176311 | 1 |
| <i>EMB</i> | -0.172657 | 0.00175427 | 1 |
| <i>GBE1</i> | -0.1726685 | 0.001753 | 1 |
| <i>C19orf20</i> | -0.1726742 | 0.00175238 | 1 |
| <i>MORF4L1</i> | -0.1727731 | 0.00174155 | 1 |
| <i>KIAA1244</i> | -0.1727788 | 0.00174093 | 1 |
| <i>OR2A1</i> | -0.1728099 | 0.00173754 | 1 |
| <i>C1orf125</i> | -0.1728113 | 0.00173739 | 1 |
| <i>RPL39L</i> | -0.1728477 | 0.00173342 | 1 |
| <i>CCDC28A</i> | -0.1728639 | 0.00173167 | 1 |
| <i>BAG3</i> | -0.1729285 | 0.00172467 | 1 |
| <i>SCGB3A1</i> | -0.1730025 | 0.00171668 | 1 |
| <i>C7orf71</i> | -0.1731248 | 0.00170356 | 1 |
| <i>ZHX2</i> | -0.1731349 | 0.00170247 | 1 |
| <i>CNTF</i> | -0.1731486 | 0.00170102 | 1 |
| <i>DDI2</i> | -0.1732021 | 0.00169532 | 1 |
| <i>FCHSD2</i> | -0.1732155 | 0.00169389 | 1 |
| <i>APP</i> | -0.1733485 | 0.00167979 | 1 |
| <i>NR4A2</i> | -0.1733769 | 0.0016768 | 1 |
| <i>C20orf197</i> | -0.1734375 | 0.00167042 | 1 |
| <i>MESDC1</i> | -0.1734826 | 0.00166569 | 1 |
| <i>C1orf123</i> | -0.1735696 | 0.00165659 | 1 |
| <i>FAM76A</i> | -0.1735891 | 0.00165456 | 1 |
| <i>C21orf122</i> | -0.1736327 | 0.00165003 | 1 |
| <i>XPO7</i> | -0.173693 | 0.00164378 | 1 |
| <i>MAGIX</i> | -0.1737329 | 0.00163965 | 1 |
| <i>CIB3</i> | -0.1737347 | 0.00163947 | 1 |
| <i>HOXC5</i> | -0.1737623 | 0.00163662 | 1 |
| <i>ATF7</i> | -0.1737701 | 0.00163582 | 1 |
| <i>ZNF101</i> | -0.1737906 | 0.0016337 | 1 |
| <i>FAM90A1</i> | -0.1738182 | 0.00163087 | 1 |
| <i>CCDC9</i> | -0.1738859 | 0.00162393 | 1 |
| <i>FETUB</i> | -0.1739269 | 0.00161973 | 1 |
| <i>RNF212</i> | -0.1739488 | 0.0016175 | 1 |
| <i>LOC162632</i> | -0.1740263 | 0.00160961 | 1 |
| <i>CXCR2</i> | -0.1740816 | 0.00160401 | 1 |
| <i>SBF2</i> | -0.1741275 | 0.00159937 | 1 |
| <i>KCNF1</i> | -0.1741787 | 0.00159421 | 1 |
| <i>MKRN1</i> | -0.1742239 | 0.00158967 | 1 |
| <i>ACOT4</i> | -0.1743696 | 0.00157511 | 1 |
| <i>GRAMD1B</i> | -0.1743818 | 0.00157389 | 1 |
| <i>HDHD3</i> | -0.1743822 | 0.00157385 | 1 |
| <i>ALPP</i> | -0.174449 | 0.00156722 | 1 |
| <i>TMEM219</i> | -0.1744494 | 0.00156718 | 1 |
| <i>TRIM47</i> | -0.1745109 | 0.00156109 | 1 |
| <i>STIM2</i> | -0.1745121 | 0.00156098 | 1 |
| <i>PCDHA7</i> | -0.1746513 | 0.0015473 | 1 |
| <i>C10orf57</i> | -0.1747736 | 0.00153536 | 1 |

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| <i>SOD2</i> | -0.1747841 | 0.00153434 | 1 |
| <i>RAB3IL1</i> | -0.1747936 | 0.00153342 | 1 |
| <i>MMD2</i> | -0.1748755 | 0.00152549 | 1 |
| <i>MIA</i> | -0.1749023 | 0.0015229 | 1 |
| <i>SPRYD3</i> | -0.1749107 | 0.00152209 | 1 |
| <i>TDRD12</i> | -0.1749229 | 0.00152091 | 1 |
| <i>GADD45B</i> | -0.174978 | 0.00151561 | 1 |
| <i>CALM2</i> | -0.1750536 | 0.00150836 | 1 |
| <i>MAMDC4</i> | -0.1751051 | 0.00150344 | 1 |
| <i>TRO</i> | -0.1751671 | 0.00149753 | 1 |
| <i>DLX1</i> | -0.1751696 | 0.0014973 | 1 |
| <i>RRAS2</i> | -0.1751721 | 0.00149706 | 1 |
| <i>PCDHB15</i> | -0.1752723 | 0.00148757 | 1 |
| <i>EYA3</i> | -0.1753133 | 0.0014837 | 1 |
| <i>IMPG2</i> | -0.1753988 | 0.00147567 | 1 |
| <i>IFLTD1</i> | -0.1754058 | 0.00147501 | 1 |
| <i>FABP1</i> | -0.1754103 | 0.00147459 | 1 |
| <i>EYA4</i> | -0.175457 | 0.00147023 | 1 |
| <i>ARHGEF33</i> | -0.175466 | 0.00146938 | 1 |
| <i>HMHA1</i> | -0.17555 | 0.00146156 | 1 |
| <i>PCDHA4</i> | -0.1755765 | 0.0014591 | 1 |
| <i>GKN2</i> | -0.1757149 | 0.00144631 | 1 |
| <i>PCDHB17</i> | -0.1757571 | 0.00144243 | 1 |
| <i>RPS2P32</i> | -0.1758816 | 0.00143104 | 1 |
| <i>COL9A2</i> | -0.1758862 | 0.00143061 | 1 |
| <i>C13orf38</i> | -0.1759695 | 0.00142304 | 1 |
| <i>LMBR1L</i> | -0.1759713 | 0.00142288 | 1 |
| <i>OAS2</i> | -0.1760213 | 0.00141836 | 1 |
| <i>ARCN1</i> | -0.1760483 | 0.00141592 | 1 |
| <i>INTS9</i> | -0.1760811 | 0.00141296 | 1 |
| <i>SPACA4</i> | -0.1760997 | 0.00141128 | 1 |
| <i>EDF1</i> | -0.1762142 | 0.00140102 | 1 |
| <i>EPB41</i> | -0.1762819 | 0.00139497 | 1 |
| <i>PKDREJ</i> | -0.1762871 | 0.00139451 | 1 |
| <i>RGS11</i> | -0.1763031 | 0.00139309 | 1 |
| <i>SPIN1</i> | -0.1763805 | 0.00138622 | 1 |
| <i>DNAH7</i> | -0.1764654 | 0.00137873 | 1 |
| <i>CSMD3</i> | -0.1764902 | 0.00137654 | 1 |
| <i>HNRNPUL2</i> | -0.1765675 | 0.00136976 | 1 |
| <i>TNFAIP8L1</i> | -0.1765808 | 0.0013686 | 1 |
| <i>CD300E</i> | -0.1766613 | 0.00136157 | 1 |
| <i>NIPAL4</i> | -0.176677 | 0.0013602 | 1 |
| <i>EML2</i> | -0.1766801 | 0.00135993 | 1 |
| <i>FIGNL2</i> | -0.1767 | 0.0013582 | 1 |
| <i>SLC25A25</i> | -0.1767079 | 0.00135752 | 1 |
| <i>SLC2A7</i> | -0.1767621 | 0.00135281 | 1 |
| <i>MAPRE3</i> | -0.1767908 | 0.00135034 | 1 |
| <i>FAM181A</i> | -0.1768068 | 0.00134895 | 1 |
| <i>ANGPT4</i> | -0.1768135 | 0.00134837 | 1 |
| <i>KIAA1949</i> | -0.1769419 | 0.00133733 | 1 |
| <i>LRTM1</i> | -0.1769785 | 0.0013342 | 1 |

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| <i>ZNF787</i> | -0.1770449 | 0.00132854 | 1 |
| <i>GPR63</i> | -0.1770503 | 0.00132808 | 1 |
| <i>C11orf68</i> | -0.1771309 | 0.00132124 | 1 |
| <i>C7orf72</i> | -0.1771416 | 0.00132033 | 1 |
| <i>RUNX2</i> | -0.1771648 | 0.00131837 | 1 |
| <i>ACTR10</i> | -0.1771937 | 0.00131592 | 1 |
| <i>PECR</i> | -0.1772864 | 0.00130812 | 1 |
| <i>KDM5B</i> | -0.1773811 | 0.0013002 | 1 |
| <i>OR5K2</i> | -0.1773914 | 0.00129934 | 1 |
| <i>MAP7D3</i> | -0.1774501 | 0.00129445 | 1 |
| <i>ACSM2B</i> | -0.177521 | 0.00128857 | 1 |
| <i>RGS5</i> | -0.1776382 | 0.0012789 | 1 |
| <i>ZNF287</i> | -0.1777189 | 0.00127228 | 1 |
| <i>SFRS13B</i> | -0.1777515 | 0.00126962 | 1 |
| <i>ARSF</i> | -0.1777586 | 0.00126903 | 1 |
| <i>RAB11FIP1</i> | -0.1777619 | 0.00126877 | 1 |
| <i>TTC33</i> | -0.1778109 | 0.00126477 | 1 |
| <i>POU2F3</i> | -0.17782 | 0.00126403 | 1 |
| <i>RALGAPA2</i> | -0.1778206 | 0.00126398 | 1 |
| <i>SLC12A5</i> | -0.1778768 | 0.00125942 | 1 |
| <i>ACOT12</i> | -0.1779057 | 0.00125708 | 1 |
| <i>TLK2</i> | -0.1779857 | 0.00125062 | 1 |
| <i>SOCS1</i> | -0.1781309 | 0.00123898 | 1 |
| <i>AMAC1L3</i> | -0.1781814 | 0.00123495 | 1 |
| <i>ATG4C</i> | -0.1782397 | 0.00123032 | 1 |
| <i>CXCR7</i> | -0.1783754 | 0.0012196 | 1 |
| <i>PLEKHF2</i> | -0.1784151 | 0.00121648 | 1 |
| <i>ESRRB</i> | -0.1785846 | 0.00120324 | 1 |
| <i>COX15</i> | -0.1786086 | 0.00120137 | 1 |
| <i>NUMBL</i> | -0.1787201 | 0.00119274 | 1 |
| <i>MYST3</i> | -0.1787392 | 0.00119127 | 1 |
| <i>SERPINB6</i> | -0.1787818 | 0.001188 | 1 |
| <i>SNX20</i> | -0.178796 | 0.00118691 | 1 |
| <i>DUSP8</i> | -0.1788906 | 0.00117966 | 1 |
| <i>ISX</i> | -0.178903 | 0.00117872 | 1 |
| <i>FAM69A</i> | -0.1789051 | 0.00117855 | 1 |
| <i>CFL1</i> | -0.178924 | 0.00117712 | 1 |
| <i>IFIT5</i> | -0.1789313 | 0.00117656 | 1 |
| <i>MCM3AP</i> | -0.1790944 | 0.0011642 | 1 |
| <i>CIB2</i> | -0.1791354 | 0.00116112 | 1 |
| <i>DZIP1L</i> | -0.179156 | 0.00115957 | 1 |
| <i>SH3D19</i> | -0.1792291 | 0.00115409 | 1 |
| <i>STX17</i> | -0.1792725 | 0.00115084 | 1 |
| <i>ST8SIA2</i> | -0.1794688 | 0.00113628 | 1 |
| <i>WDR91</i> | -0.1794731 | 0.00113597 | 1 |
| <i>ADCY10</i> | -0.1794863 | 0.001135 | 1 |
| <i>FAM134B</i> | -0.1795218 | 0.00113238 | 1 |
| <i>OR10G4</i> | -0.1795315 | 0.00113167 | 1 |
| <i>LHFPL3</i> | -0.1795977 | 0.00112681 | 1 |
| <i>DNAJC5B</i> | -0.1798002 | 0.00111208 | 1 |
| <i>OXA1L</i> | -0.1798453 | 0.00110883 | 1 |

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| <i>TSC2</i> | -0.1798617 | 0.00110765 | 1 |
| <i>ST7L</i> | -0.1798828 | 0.00110613 | 1 |
| <i>C17orf108</i> | -0.1799345 | 0.00110242 | 1 |
| <i>ZNF425</i> | -0.1800095 | 0.00109705 | 1 |
| <i>PTK6</i> | -0.1800141 | 0.00109672 | 1 |
| <i>ATP8B3</i> | -0.1800798 | 0.00109204 | 1 |
| <i>TNF</i> | -0.1801473 | 0.00108725 | 1 |
| <i>KNG1</i> | -0.1803032 | 0.00107626 | 1 |
| <i>WNT4</i> | -0.1803502 | 0.00107297 | 1 |
| <i>ADORA2B</i> | -0.180369 | 0.00107165 | 1 |
| <i>PROX2</i> | -0.1804577 | 0.00106548 | 1 |
| <i>TXLNA</i> | -0.1805179 | 0.0010613 | 1 |
| <i>SERPINB11</i> | -0.1805267 | 0.00106069 | 1 |
| <i>ESPNL</i> | -0.1805279 | 0.00106061 | 1 |
| <i>C10orf32</i> | -0.1805494 | 0.00105912 | 1 |
| <i>FGF13</i> | -0.1805811 | 0.00105693 | 1 |
| <i>COL8A2</i> | -0.1805913 | 0.00105623 | 1 |
| <i>ZNF552</i> | -0.1805972 | 0.00105582 | 1 |
| <i>CASKIN1</i> | -0.1806034 | 0.00105539 | 1 |
| <i>DNAJB2</i> | -0.1807046 | 0.00104844 | 1 |
| <i>C2orf84</i> | -0.1807279 | 0.00104685 | 1 |
| <i>NEK9</i> | -0.1807568 | 0.00104488 | 1 |
| <i>PLCH2</i> | -0.1807959 | 0.00104221 | 1 |
| <i>JSRP1</i> | -0.1808284 | 0.00104 | 1 |
| <i>SMCP</i> | -0.1808533 | 0.00103831 | 1 |
| <i>KDR</i> | -0.1808818 | 0.00103638 | 1 |
| <i>SLC26A10</i> | -0.180936 | 0.00103271 | 1 |
| <i>ELK3</i> | -0.180975 | 0.00103008 | 1 |
| <i>ARHGDIB</i> | -0.1810403 | 0.00102568 | 1 |
| <i>FOXI1</i> | -0.1810459 | 0.00102531 | 1 |
| <i>S100A12</i> | -0.1811277 | 0.00101984 | 1 |
| <i>AKR1C3</i> | -0.181136 | 0.00101928 | 1 |
| <i>C2CD3</i> | -0.1811754 | 0.00101666 | 1 |
| <i>SBF1</i> | -0.1811809 | 0.00101629 | 1 |
| <i>ANKRD34C</i> | -0.1812145 | 0.00101406 | 1 |
| <i>SLC8A2</i> | -0.1812302 | 0.00101301 | 1 |
| <i>VAMP3</i> | -0.1812413 | 0.00101228 | 1 |
| <i>DUSP22</i> | -0.1812743 | 0.00101009 | 1 |
| <i>KCNK7</i> | -0.1812749 | 0.00101005 | 1 |
| <i>FGF11</i> | -0.1812974 | 0.00100857 | 1 |
| <i>LY6K</i> | -0.1813521 | 0.00100496 | 1 |
| <i>DKFZP434H1</i> | -0.1813662 | 0.00100403 | 1 |
| <i>ALDOA</i> | -0.1814237 | 0.00100025 | 1 |
| <i>TMEM174</i> | -0.1814525 | 0.00099837 | 1 |
| <i>PPP3CC</i> | -0.1814821 | 0.00099643 | 1 |
| <i>EGR2</i> | -0.1816291 | 0.00098687 | 1 |
| <i>ATP1B3</i> | -0.1816526 | 0.00098535 | 1 |
| <i>SCFD1</i> | -0.1817133 | 0.00098143 | 1 |
| <i>MRAP</i> | -0.1817506 | 0.00097903 | 1 |
| <i>H2BFXP</i> | -0.1817659 | 0.00097805 | 1 |
| <i>MESTIT1</i> | -0.1818567 | 0.00097223 | 1 |

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| <i>SLC35D2</i> | -0.1819916 | 0.00096365 | 1 |
| <i>PNMA2</i> | -0.1820528 | 0.00095978 | 1 |
| <i>EPOR</i> | -0.182121 | 0.00095548 | 1 |
| <i>CTTN</i> | -0.1821535 | 0.00095344 | 1 |
| <i>ZRANB1</i> | -0.1821582 | 0.00095315 | 1 |
| <i>NUDT9</i> | -0.1823358 | 0.00094207 | 1 |
| <i>ATP5F1</i> | -0.1823637 | 0.00094033 | 1 |
| <i>ATP5G3</i> | -0.1823761 | 0.00093957 | 1 |
| <i>PCDHA11</i> | -0.1824671 | 0.00093395 | 1 |
| <i>TMEM71</i> | -0.1825295 | 0.00093012 | 1 |
| <i>TXN2</i> | -0.1825427 | 0.00092931 | 1 |
| <i>APAF1</i> | -0.1825494 | 0.0009289 | 1 |
| <i>TBC1D9B</i> | -0.1826054 | 0.00092548 | 1 |
| <i>ATP5D</i> | -0.1826896 | 0.00092035 | 1 |
| <i>GABRR2</i> | -0.1828103 | 0.00091305 | 1 |
| <i>FAM153B</i> | -0.1828323 | 0.00091172 | 1 |
| <i>ABCA4</i> | -0.1829742 | 0.00090322 | 1 |
| <i>PCDH18</i> | -0.1830222 | 0.00090035 | 1 |
| <i>KRT20</i> | -0.183066 | 0.00089775 | 1 |
| <i>C10orf114</i> | -0.1832263 | 0.00088828 | 1 |
| <i>IL13RA1</i> | -0.183269 | 0.00088578 | 1 |
| <i>OGFRL1</i> | -0.1832835 | 0.00088492 | 1 |
| <i>ADAD2</i> | -0.1833758 | 0.00087954 | 1 |
| <i>KCNIP2</i> | -0.1833837 | 0.00087907 | 1 |
| <i>C10orf107</i> | -0.1835015 | 0.00087225 | 1 |
| <i>KDM3B</i> | -0.1835093 | 0.00087179 | 1 |
| <i>ICOS</i> | -0.183519 | 0.00087123 | 1 |
| <i>TICAM2</i> | -0.1835238 | 0.00087096 | 1 |
| <i>LOC441601</i> | -0.1835335 | 0.0008704 | 1 |
| <i>S100A8</i> | -0.1835479 | 0.00086957 | 1 |
| <i>ABCB4</i> | -0.1835581 | 0.00086898 | 1 |
| <i>LASS4</i> | -0.1835838 | 0.0008675 | 1 |
| <i>FAM153A</i> | -0.1836073 | 0.00086615 | 1 |
| <i>XRCC6BP1</i> | -0.1836596 | 0.00086315 | 1 |
| <i>TCF15</i> | -0.1837194 | 0.00085973 | 1 |
| <i>ZC3H14</i> | -0.1837906 | 0.00085568 | 1 |
| <i>SCD5</i> | -0.1838372 | 0.00085304 | 1 |
| <i>BHMT</i> | -0.1838736 | 0.00085098 | 1 |
| <i>LOC441666</i> | -0.183888 | 0.00085017 | 1 |
| <i>KIAA1715</i> | -0.1839217 | 0.00084827 | 1 |
| <i>HDAC5</i> | -0.1839613 | 0.00084604 | 1 |
| <i>C3orf62</i> | -0.1839627 | 0.00084596 | 1 |
| <i>UGT1A3</i> | -0.1840328 | 0.00084203 | 1 |
| <i>C9orf103</i> | -0.1840905 | 0.00083881 | 1 |
| <i>CCDC93</i> | -0.1842002 | 0.00083272 | 1 |
| <i>SLC5A12</i> | -0.1842035 | 0.00083253 | 1 |
| <i>PRR12</i> | -0.1842102 | 0.00083216 | 1 |
| <i>FRMD1</i> | -0.1842908 | 0.00082771 | 1 |
| <i>PCDHB13</i> | -0.1843317 | 0.00082546 | 1 |
| <i>C17orf73</i> | -0.1843608 | 0.00082386 | 1 |
| <i>CAPN13</i> | -0.1844199 | 0.00082063 | 1 |

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| <i>C2orf55</i> | -0.184421 | 0.00082057 | 1 |
| <i>BEND2</i> | -0.1845548 | 0.00081329 | 1 |
| <i>FAM179B</i> | -0.184562 | 0.0008129 | 1 |
| <i>STAG3</i> | -0.1845871 | 0.00081155 | 1 |
| <i>PDLIM7</i> | -0.1846069 | 0.00081048 | 1 |
| <i>SGK196</i> | -0.184653 | 0.00080799 | 1 |
| <i>THSD1</i> | -0.1847242 | 0.00080416 | 1 |
| <i>SPTA1</i> | -0.1848504 | 0.00079742 | 1 |
| <i>RAMP2</i> | -0.1848829 | 0.0007957 | 1 |
| <i>COX6A2</i> | -0.1849233 | 0.00079356 | 1 |
| <i>ZNF44</i> | -0.1850448 | 0.00078714 | 1 |
| <i>PRKD1</i> | -0.1850795 | 0.00078532 | 1 |
| <i>ZNF880</i> | -0.1850871 | 0.00078492 | 1 |
| <i>SAMM50</i> | -0.1850994 | 0.00078428 | 1 |
| <i>APOL4</i> | -0.1851021 | 0.00078413 | 1 |
| <i>LYSMD4</i> | -0.1851069 | 0.00078389 | 1 |
| <i>AIM2</i> | -0.1851242 | 0.00078298 | 1 |
| <i>THBS3</i> | -0.1851512 | 0.00078157 | 1 |
| <i>NUDT6</i> | -0.1852327 | 0.00077732 | 1 |
| <i>PPP2R3C</i> | -0.1852368 | 0.00077711 | 1 |
| <i>DHX38</i> | -0.1852532 | 0.00077626 | 1 |
| <i>CARD6</i> | -0.185264 | 0.0007757 | 1 |
| <i>4-Mar</i> | -0.1852721 | 0.00077528 | 1 |
| <i>EFR3B</i> | -0.1852844 | 0.00077464 | 1 |
| <i>KLHL10</i> | -0.1855047 | 0.00076331 | 1 |
| <i>STARD10</i> | -0.1855882 | 0.00075905 | 1 |
| <i>HERC2</i> | -0.1856058 | 0.00075816 | 1 |
| <i>CRYGD</i> | -0.1856243 | 0.00075722 | 1 |
| <i>DERA</i> | -0.1856569 | 0.00075557 | 1 |
| <i>LRIG2</i> | -0.185714 | 0.00075268 | 1 |
| <i>SNURF</i> | -0.1857435 | 0.0007512 | 1 |
| <i>BCKDK</i> | -0.1861162 | 0.00073265 | 1 |
| <i>WDR6</i> | -0.1861373 | 0.00073161 | 1 |
| <i>PPP2R2D</i> | -0.1864378 | 0.00071698 | 1 |
| <i>ZSCAN5B</i> | -0.1865459 | 0.00071179 | 1 |
| <i>C9orf152</i> | -0.1865512 | 0.00071154 | 1 |
| <i>C3orf45</i> | -0.186637 | 0.00070744 | 1 |
| <i>RPL36AL</i> | -0.1866783 | 0.00070547 | 1 |
| <i>YES1</i> | -0.186745 | 0.00070231 | 1 |
| <i>PROM1</i> | -0.1868169 | 0.00069892 | 1 |
| <i>ZBBX</i> | -0.1868226 | 0.00069865 | 1 |
| <i>ALDH1A2</i> | -0.1868494 | 0.00069739 | 1 |
| <i>CLYBL</i> | -0.1871368 | 0.000684 | 1 |
| <i>CYP2A7</i> | -0.1871476 | 0.0006835 | 1 |
| <i>STX7</i> | -0.1871531 | 0.00068325 | 1 |
| <i>PHKG1</i> | -0.1872684 | 0.00067795 | 1 |
| <i>ARRDC2</i> | -0.1872762 | 0.00067759 | 1 |
| <i>IL7</i> | -0.1872891 | 0.000677 | 1 |
| <i>SPTY2D1</i> | -0.1873066 | 0.0006762 | 1 |
| <i>ACTG1</i> | -0.1874635 | 0.00066907 | 1 |
| <i>LOC1001246</i> | -0.1874663 | 0.00066894 | 1 |

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| <i>FBXO48</i> | -0.1875375 | 0.00066573 | 1 |
| <i>LGSN</i> | -0.1875416 | 0.00066555 | 1 |
| <i>CX3CL1</i> | -0.1875812 | 0.00066377 | 1 |
| <i>CCKAR</i> | -0.1876998 | 0.00065846 | 1 |
| <i>LOC153684</i> | -0.1877484 | 0.0006563 | 1 |
| <i>SNORD116-4</i> | -0.1877696 | 0.00065536 | 1 |
| <i>PDZD9</i> | -0.1877922 | 0.00065435 | 1 |
| <i>AMFR</i> | -0.187825 | 0.00065291 | 1 |
| <i>STXBP2</i> | -0.1878436 | 0.00065208 | 1 |
| <i>BPTF</i> | -0.1878597 | 0.00065137 | 1 |
| <i>GNPTG</i> | -0.1879199 | 0.00064872 | 1 |
| <i>PROKR2</i> | -0.1879238 | 0.00064855 | 1 |
| <i>ASPDH</i> | -0.1880074 | 0.00064489 | 1 |
| <i>PTPRQ</i> | -0.1881341 | 0.00063937 | 1 |
| <i>TBL1X</i> | -0.1881436 | 0.00063896 | 1 |
| <i>ERMN</i> | -0.1881767 | 0.00063752 | 1 |
| <i>SUPT6H</i> | -0.1882 | 0.00063652 | 1 |
| <i>SLC43A3</i> | -0.1883338 | 0.00063076 | 1 |
| <i>UBL7</i> | -0.1883446 | 0.0006303 | 1 |
| <i>RHOA</i> | -0.1884768 | 0.00062467 | 1 |
| <i>ZNF347</i> | -0.188495 | 0.00062389 | 1 |
| <i>ARID2</i> | -0.1885447 | 0.00062179 | 1 |
| <i>DENND5A</i> | -0.188626 | 0.00061836 | 1 |
| <i>CACNB4</i> | -0.1886285 | 0.00061826 | 1 |
| <i>ANKRD17</i> | -0.1886524 | 0.00061725 | 1 |
| <i>NAIF1</i> | -0.1888538 | 0.00060885 | 1 |
| <i>OPHN1</i> | -0.1888927 | 0.00060724 | 1 |
| <i>NCRNA0018</i> | -0.1889116 | 0.00060646 | 1 |
| <i>BCKDHA</i> | -0.1889701 | 0.00060405 | 1 |
| <i>CCS</i> | -0.1889862 | 0.00060339 | 1 |
| <i>CECR6</i> | -0.1890827 | 0.00059943 | 1 |
| <i>STARD13</i> | -0.1890844 | 0.00059936 | 1 |
| <i>TPST1</i> | -0.189104 | 0.00059856 | 1 |
| <i>PARP9</i> | -0.1891347 | 0.00059731 | 1 |
| <i>PELI1</i> | -0.1891427 | 0.00059698 | 1 |
| <i>MLLT11</i> | -0.1892421 | 0.00059295 | 1 |
| <i>ADAMTS17</i> | -0.1892752 | 0.00059161 | 1 |
| <i>FAM138B</i> | -0.1893015 | 0.00059055 | 1 |
| <i>EVPLL</i> | -0.1893447 | 0.00058881 | 1 |
| <i>MAP4</i> | -0.1893571 | 0.00058832 | 1 |
| <i>C20orf56</i> | -0.1893846 | 0.00058722 | 1 |
| <i>FAM25B</i> | -0.189403 | 0.00058648 | 1 |
| <i>RSF1</i> | -0.1895137 | 0.00058206 | 1 |
| <i>C6orf145</i> | -0.1896475 | 0.00057676 | 1 |
| <i>PAK7</i> | -0.1896631 | 0.00057615 | 1 |
| <i>PTGIR</i> | -0.1897089 | 0.00057435 | 1 |
| <i>ITGA5</i> | -0.1897114 | 0.00057425 | 1 |
| <i>TREX1</i> | -0.1898234 | 0.00056987 | 1 |
| <i>ENOSF1</i> | -0.18983 | 0.00056961 | 1 |
| <i>HMCN1</i> | -0.1898968 | 0.00056701 | 1 |
| <i>TRIM7</i> | -0.1899886 | 0.00056346 | 1 |

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| <i>TMEM91</i> | -0.1900118 | 0.00056257 | 1 |
| <i>TNN</i> | -0.1900284 | 0.00056193 | 1 |
| <i>ARHGAP6</i> | -0.1900692 | 0.00056036 | 1 |
| <i>PLEKHH1</i> | -0.1901006 | 0.00055915 | 1 |
| <i>HELZ</i> | -0.1901182 | 0.00055848 | 1 |
| <i>SUMF1</i> | -0.1901321 | 0.00055795 | 1 |
| <i>C14orf109</i> | -0.1901781 | 0.00055619 | 1 |
| <i>C1orf127</i> | -0.1902532 | 0.00055334 | 1 |
| <i>FBXO10</i> | -0.1902936 | 0.00055181 | 1 |
| <i>CD40</i> | -0.1903069 | 0.0005513 | 1 |
| <i>TSPAN2</i> | -0.190328 | 0.00055051 | 1 |
| <i>FKBP8</i> | -0.1903444 | 0.00054989 | 1 |
| <i>GLI1</i> | -0.1903654 | 0.0005491 | 1 |
| <i>NLRP4</i> | -0.1904822 | 0.00054471 | 1 |
| <i>PTPN20B</i> | -0.1904907 | 0.0005444 | 1 |
| <i>VIPAR</i> | -0.1904916 | 0.00054436 | 1 |
| <i>LYZ</i> | -0.1905583 | 0.00054187 | 1 |
| <i>KPNA6</i> | -0.1905928 | 0.00054059 | 1 |
| <i>TMEM232</i> | -0.1905985 | 0.00054038 | 1 |
| <i>FCGRT</i> | -0.1905998 | 0.00054033 | 1 |
| <i>GOLGA4</i> | -0.1906721 | 0.00053766 | 1 |
| <i>SYDE1</i> | -0.1907585 | 0.00053448 | 1 |
| <i>ENKUR</i> | -0.1907725 | 0.00053396 | 1 |
| <i>ATXN8OS</i> | -0.1907787 | 0.00053373 | 1 |
| <i>IFI27L1</i> | -0.1908026 | 0.00053286 | 1 |
| <i>KCNJ3</i> | -0.1910021 | 0.00052559 | 1 |
| <i>HNF4G</i> | -0.1910827 | 0.00052269 | 1 |
| <i>SCGB1D2</i> | -0.1911015 | 0.00052201 | 1 |
| <i>ZNF791</i> | -0.1911336 | 0.00052086 | 1 |
| <i>SLC12A4</i> | -0.1911778 | 0.00051927 | 1 |
| <i>EPB49</i> | -0.1912434 | 0.00051694 | 1 |
| <i>NEUROD2</i> | -0.1912575 | 0.00051643 | 1 |
| <i>GGT3P</i> | -0.1913077 | 0.00051465 | 1 |
| <i>RNF135</i> | -0.1913098 | 0.00051457 | 1 |
| <i>ZBTB8A</i> | -0.1914647 | 0.00050911 | 1 |
| <i>STK40</i> | -0.1915366 | 0.00050659 | 1 |
| <i>IFNGR2</i> | -0.1915397 | 0.00050648 | 1 |
| <i>DENND1A</i> | -0.1915846 | 0.00050492 | 1 |
| <i>MYH7</i> | -0.1917133 | 0.00050045 | 1 |
| <i>DCHS1</i> | -0.191773 | 0.00049839 | 1 |
| <i>TP53AIP1</i> | -0.1917787 | 0.00049819 | 1 |
| <i>BIRC6</i> | -0.1917924 | 0.00049772 | 1 |
| <i>TMEM111</i> | -0.1918838 | 0.00049459 | 1 |
| <i>PRMT10</i> | -0.1919303 | 0.000493 | 1 |
| <i>EGFL7</i> | -0.1920284 | 0.00048967 | 1 |
| <i>ALPK2</i> | -0.1920475 | 0.00048902 | 1 |
| <i>FBXL3</i> | -0.1920872 | 0.00048768 | 1 |
| <i>LAMA4</i> | -0.1921981 | 0.00048395 | 1 |
| <i>PTENP1</i> | -0.1922347 | 0.00048273 | 1 |
| <i>FAM131A</i> | -0.1922431 | 0.00048245 | 1 |
| <i>CYB5A</i> | -0.1923169 | 0.00047999 | 1 |

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| <i>C14orf142</i> | -0.1923336 | 0.00047943 | 1 |
| <i>RUNDC3A</i> | -0.1924153 | 0.00047672 | 1 |
| <i>GHSR</i> | -0.1925344 | 0.0004728 | 1 |
| <i>C1orf227</i> | -0.192564 | 0.00047184 | 1 |
| <i>NPC2</i> | -0.1927586 | 0.00046551 | 1 |
| <i>RABGGTA</i> | -0.1927605 | 0.00046545 | 1 |
| <i>IL31RA</i> | -0.1927899 | 0.0004645 | 1 |
| <i>C9orf9</i> | -0.1928261 | 0.00046333 | 1 |
| <i>PSMB10</i> | -0.1928617 | 0.00046219 | 1 |
| <i>FCGR3B</i> | -0.1928921 | 0.00046121 | 1 |
| <i>AG2</i> | -0.1929089 | 0.00046068 | 1 |
| <i>IMMT</i> | -0.1930264 | 0.00045693 | 1 |
| <i>PLEKHG6</i> | -0.1932046 | 0.0004513 | 1 |
| <i>DIP2B</i> | -0.1932416 | 0.00045014 | 1 |
| <i>TPRN</i> | -0.1932483 | 0.00044993 | 1 |
| <i>NRBP1</i> | -0.1932681 | 0.00044931 | 1 |
| <i>C15orf33</i> | -0.1933176 | 0.00044777 | 1 |
| <i>CD248</i> | -0.1933404 | 0.00044706 | 1 |
| <i>CHD2</i> | -0.1933561 | 0.00044657 | 1 |
| <i>LENG9</i> | -0.1933673 | 0.00044622 | 1 |
| <i>SNX17</i> | -0.1934515 | 0.00044361 | 1 |
| <i>KRT73</i> | -0.1935254 | 0.00044133 | 1 |
| <i>ERLIN1</i> | -0.193583 | 0.00043957 | 1 |
| <i>CCDC50</i> | -0.1935965 | 0.00043915 | 1 |
| <i>PRRT3</i> | -0.1936425 | 0.00043775 | 1 |
| <i>ZNF768</i> | -0.1936427 | 0.00043774 | 1 |
| <i>RNF145</i> | -0.1936534 | 0.00043741 | 1 |
| <i>TCTEX1D4</i> | -0.1939511 | 0.00042842 | 1 |
| <i>ID2</i> | -0.1939523 | 0.00042838 | 1 |
| <i>KIR2DS4</i> | -0.1941285 | 0.00042315 | 1 |
| <i>NFATC4</i> | -0.1942117 | 0.00042069 | 1 |
| <i>ZNF79</i> | -0.1943002 | 0.00041809 | 1 |
| <i>KDSR</i> | -0.1943775 | 0.00041584 | 1 |
| <i>FADS6</i> | -0.1943911 | 0.00041544 | 1 |
| <i>RNH1</i> | -0.1944191 | 0.00041463 | 1 |
| <i>C8orf75</i> | -0.1945867 | 0.00040979 | 1 |
| <i>MLL</i> | -0.194604 | 0.0004093 | 1 |
| <i>MAT2B</i> | -0.1946266 | 0.00040865 | 1 |
| <i>CUL9</i> | -0.194708 | 0.00040633 | 1 |
| <i>GULP1</i> | -0.1947089 | 0.0004063 | 1 |
| <i>IFNW1</i> | -0.1947429 | 0.00040533 | 1 |
| <i>C4orf38</i> | -0.1948165 | 0.00040325 | 1 |
| <i>TOR2A</i> | -0.194872 | 0.00040168 | 1 |
| <i>ATP11B</i> | -0.1949585 | 0.00039925 | 1 |
| <i>AQP10</i> | -0.1949957 | 0.00039821 | 1 |
| <i>AKIRIN1</i> | -0.1950162 | 0.00039764 | 1 |
| <i>MLX</i> | -0.1950553 | 0.00039655 | 1 |
| <i>PARP14</i> | -0.1950911 | 0.00039555 | 1 |
| <i>C14orf34</i> | -0.1950989 | 0.00039533 | 1 |
| <i>ELOVL1</i> | -0.1951425 | 0.00039413 | 1 |
| <i>GAL3ST1</i> | -0.1951726 | 0.00039329 | 1 |

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| <i>RND1</i> | -0.1951971 | 0.00039262 | 1 |
| <i>FOXD2</i> | -0.195239 | 0.00039146 | 1 |
| <i>EPN3</i> | -0.195354 | 0.00038831 | 1 |
| <i>ABCC9</i> | -0.1954416 | 0.00038593 | 1 |
| <i>TMEM87B</i> | -0.1954714 | 0.00038512 | 1 |
| <i>DDO</i> | -0.1955075 | 0.00038414 | 1 |
| <i>GPR135</i> | -0.1955332 | 0.00038345 | 1 |
| <i>TARSL2</i> | -0.195569 | 0.00038248 | 1 |
| <i>AGPAT2</i> | -0.1956695 | 0.00037979 | 1 |
| <i>HP</i> | -0.19573 | 0.00037817 | 1 |
| <i>SHC1</i> | -0.1957563 | 0.00037747 | 1 |
| <i>ISL1</i> | -0.1957778 | 0.0003769 | 1 |
| <i>SGK2</i> | -0.1958095 | 0.00037606 | 1 |
| <i>KCNN2</i> | -0.1958833 | 0.00037411 | 1 |
| <i>PROK1</i> | -0.1959909 | 0.00037128 | 1 |
| <i>NR4A3</i> | -0.1960228 | 0.00037045 | 1 |
| <i>PLCB3</i> | -0.1960422 | 0.00036994 | 1 |
| <i>B3GNT2</i> | -0.1960473 | 0.00036981 | 1 |
| <i>INPP5J</i> | -0.1960737 | 0.00036912 | 1 |
| <i>HSD11B1</i> | -0.1961061 | 0.00036827 | 1 |
| <i>LRTM2</i> | -0.1962815 | 0.00036374 | 1 |
| <i>PBX3</i> | -0.1962915 | 0.00036349 | 1 |
| <i>PIAS4</i> | -0.1963229 | 0.00036268 | 1 |
| <i>SGMS1</i> | -0.1963293 | 0.00036251 | 1 |
| <i>HIVEP2</i> | -0.1963977 | 0.00036077 | 1 |
| <i>GALT</i> | -0.1965035 | 0.00035808 | 1 |
| <i>NRXN2</i> | -0.1965862 | 0.00035599 | 1 |
| <i>RTN4</i> | -0.1966135 | 0.00035531 | 1 |
| <i>CCDC60</i> | -0.1968682 | 0.00034896 | 1 |
| <i>NCALD</i> | -0.1968791 | 0.00034869 | 1 |
| <i>C4orf6</i> | -0.1969842 | 0.0003461 | 1 |
| <i>GLDC</i> | -0.1969869 | 0.00034603 | 1 |
| <i>DTHD1</i> | -0.1970169 | 0.0003453 | 1 |
| <i>C8orf4</i> | -0.1970697 | 0.00034401 | 1 |
| <i>PRKCDBP</i> | -0.1971067 | 0.00034311 | 1 |
| <i>SCAP</i> | -0.1971658 | 0.00034167 | 1 |
| <i>MOAP1</i> | -0.1971875 | 0.00034115 | 1 |
| <i>SCAMP5</i> | -0.1972812 | 0.00033889 | 1 |
| <i>NRGN</i> | -0.1973259 | 0.00033781 | 1 |
| <i>LEFTY2</i> | -0.197337 | 0.00033754 | 1 |
| <i>POMT1</i> | -0.1973873 | 0.00033634 | 1 |
| <i>LOC641367</i> | -0.1975133 | 0.00033335 | 1 |
| <i>UBL3</i> | -0.1976218 | 0.00033078 | 1 |
| <i>GNB5</i> | -0.1976721 | 0.0003296 | 1 |
| <i>GPR156</i> | -0.1976822 | 0.00032937 | 1 |
| <i>NDST4</i> | -0.1977144 | 0.00032861 | 1 |
| <i>HEBP1</i> | -0.1977578 | 0.0003276 | 1 |
| <i>KLHL26</i> | -0.1978123 | 0.00032633 | 1 |
| <i>SLC5A8</i> | -0.1978245 | 0.00032605 | 1 |
| <i>SHISA9</i> | -0.1978347 | 0.00032581 | 1 |
| <i>ADAMTS19</i> | -0.197838 | 0.00032574 | 1 |

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| <i>DNAJC18</i> | -0.1979308 | 0.00032359 | 1 |
| <i>HMSD</i> | -0.1979687 | 0.00032272 | 1 |
| <i>ZNF687</i> | -0.1980296 | 0.00032132 | 1 |
| <i>SPATC1</i> | -0.1980417 | 0.00032104 | 1 |
| <i>PGBD2</i> | -0.1981452 | 0.00031869 | 1 |
| <i>DNAJB3</i> | -0.1982634 | 0.00031601 | 1 |
| <i>ZSCAN4</i> | -0.1983071 | 0.00031503 | 1 |
| <i>HEPH</i> | -0.1983361 | 0.00031438 | 1 |
| <i>SNN</i> | -0.1984379 | 0.0003121 | 1 |
| <i>RGPD4</i> | -0.1984596 | 0.00031162 | 1 |
| <i>OR56B4</i> | -0.1985222 | 0.00031023 | 1 |
| <i>ZNF628</i> | -0.1985723 | 0.00030912 | 1 |
| <i>PRY2</i> | -0.1985793 | 0.00030897 | 1 |
| <i>SH2D4A</i> | -0.1986083 | 0.00030833 | 1 |
| <i>PARD3</i> | -0.1986288 | 0.00030788 | 1 |
| <i>ATXN3</i> | -0.1986293 | 0.00030786 | 1 |
| <i>CLCA3P</i> | -0.1986913 | 0.0003065 | 1 |
| <i>CTSB</i> | -0.1987774 | 0.00030462 | 1 |
| <i>RFX2</i> | -0.1989026 | 0.00030191 | 1 |
| <i>FAM133A</i> | -0.1990536 | 0.00029866 | 1 |
| <i>FAM101A</i> | -0.1990809 | 0.00029808 | 1 |
| <i>OR14I1</i> | -0.1991781 | 0.00029601 | 1 |
| <i>PCDHGA8</i> | -0.1992391 | 0.00029472 | 1 |
| <i>FAM74A3</i> | -0.1992737 | 0.00029399 | 1 |
| <i>RPTOR</i> | -0.1992982 | 0.00029348 | 1 |
| <i>C16orf73</i> | -0.1993566 | 0.00029225 | 1 |
| <i>TRIM15</i> | -0.1993684 | 0.000292 | 1 |
| <i>HS6ST1</i> | -0.1993938 | 0.00029147 | 1 |
| <i>GLT8D2</i> | -0.1993945 | 0.00029146 | 1 |
| <i>SGSH</i> | -0.1994383 | 0.00029054 | 1 |
| <i>JAG1</i> | -0.1994422 | 0.00029046 | 1 |
| <i>ILDRI</i> | -0.1996126 | 0.00028693 | 1 |
| <i>APOBEC2</i> | -0.1996283 | 0.00028661 | 1 |
| <i>KIR2DL3</i> | -0.1996417 | 0.00028633 | 1 |
| <i>KIAA0141</i> | -0.199712 | 0.00028489 | 1 |
| <i>OR2C1</i> | -0.1997276 | 0.00028457 | 1 |
| <i>RBP7</i> | -0.1997837 | 0.00028343 | 1 |
| <i>BMPR2</i> | -0.1999254 | 0.00028055 | 1 |
| <i>TACO1</i> | -0.1999649 | 0.00027976 | 1 |
| <i>CTXN1</i> | -0.199987 | 0.00027932 | 1 |
| <i>INPP1</i> | -0.2000266 | 0.00027852 | 1 |
| <i>ZCCHC24</i> | -0.200036 | 0.00027833 | 1 |
| <i>CACNA2D4</i> | -0.2000372 | 0.00027831 | 1 |
| <i>ZNF221</i> | -0.2001276 | 0.0002765 | 1 |
| <i>NFATC2</i> | -0.2001303 | 0.00027645 | 1 |
| <i>HOXA5</i> | -0.2001383 | 0.00027629 | 1 |
| <i>PCDHAC2</i> | -0.2001457 | 0.00027614 | 1 |
| <i>SNX27</i> | -0.2001512 | 0.00027603 | 1 |
| <i>GK3P</i> | -0.2002752 | 0.00027358 | 1 |
| <i>ANGPTL4</i> | -0.2003023 | 0.00027305 | 1 |
| <i>EFEMP2</i> | -0.2003241 | 0.00027262 | 1 |

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| <i>NFKBIZ</i> | -0.2003264 | 0.00027258 | 1 |
| <i>ZFP92</i> | -0.2003791 | 0.00027154 | 1 |
| <i>WDR25</i> | -0.2004553 | 0.00027005 | 1 |
| <i>C1orf26</i> | -0.2004738 | 0.00026969 | 1 |
| <i>APLNR</i> | -0.2005255 | 0.00026869 | 1 |
| <i>NCRNA0020</i> | -0.2005546 | 0.00026813 | 1 |
| <i>SLC13A2</i> | -0.200703 | 0.00026527 | 1 |
| <i>CHMP2B</i> | -0.2007044 | 0.00026525 | 1 |
| <i>ADAM8</i> | -0.2007071 | 0.00026519 | 1 |
| <i>KATNAL1</i> | -0.2007531 | 0.00026432 | 1 |
| <i>MGRN1</i> | -0.2008228 | 0.00026299 | 1 |
| <i>C22orf26</i> | -0.2009999 | 0.00025965 | 1 |
| <i>CXCR1</i> | -0.2010039 | 0.00025957 | 1 |
| <i>ALDH2</i> | -0.2010061 | 0.00025953 | 1 |
| <i>FAM40A</i> | -0.2010832 | 0.00025809 | 1 |
| <i>PRR13</i> | -0.2011344 | 0.00025713 | 1 |
| <i>ERCC6</i> | -0.2011432 | 0.00025697 | 1 |
| <i>ARID4A</i> | -0.2011558 | 0.00025674 | 1 |
| <i>GNB3</i> | -0.2013774 | 0.00025265 | 1 |
| <i>TRPC3</i> | -0.2013861 | 0.00025249 | 1 |
| <i>MYH13</i> | -0.2013898 | 0.00025243 | 1 |
| <i>ZDHHC12</i> | -0.2014152 | 0.00025196 | 1 |
| <i>MRPL41</i> | -0.2014411 | 0.00025149 | 1 |
| <i>PCDHGC5</i> | -0.2014448 | 0.00025142 | 1 |
| <i>FAM109B</i> | -0.2015012 | 0.0002504 | 1 |
| <i>IFI27</i> | -0.2015651 | 0.00024924 | 1 |
| <i>RASGEF1B</i> | -0.201701 | 0.0002468 | 1 |
| <i>C9orf95</i> | -0.2017224 | 0.00024641 | 1 |
| <i>SYTL5</i> | -0.2017294 | 0.00024629 | 1 |
| <i>LRBA</i> | -0.2017337 | 0.00024621 | 1 |
| <i>ADCY8</i> | -0.2018988 | 0.00024328 | 1 |
| <i>PCDHGB1</i> | -0.2019506 | 0.00024237 | 1 |
| <i>GPR62</i> | -0.2021119 | 0.00023954 | 1 |
| <i>RNF38</i> | -0.2021454 | 0.00023896 | 1 |
| <i>DNAH11</i> | -0.2022539 | 0.00023708 | 1 |
| <i>KLHDC2</i> | -0.2022975 | 0.00023633 | 1 |
| <i>C19orf30</i> | -0.2023573 | 0.00023531 | 1 |
| <i>SLC25A18</i> | -0.2023642 | 0.00023519 | 1 |
| <i>ATP1B1</i> | -0.2023747 | 0.00023501 | 1 |
| <i>ESAM</i> | -0.2024768 | 0.00023327 | 1 |
| <i>ULK1</i> | -0.2025437 | 0.00023214 | 1 |
| <i>SLC10A6</i> | -0.2025703 | 0.00023169 | 1 |
| <i>GLYAT</i> | -0.2026179 | 0.00023089 | 1 |
| <i>ZNF585B</i> | -0.2026333 | 0.00023063 | 1 |
| <i>TPMT</i> | -0.2026476 | 0.00023039 | 1 |
| <i>DHRS3</i> | -0.2026558 | 0.00023025 | 1 |
| <i>TMEM204</i> | -0.202689 | 0.00022969 | 1 |
| <i>LOC154449</i> | -0.2026914 | 0.00022966 | 1 |
| <i>EXTL3</i> | -0.2027172 | 0.00022922 | 1 |
| <i>LOC415056</i> | -0.2028241 | 0.00022744 | 1 |
| <i>MSR1</i> | -0.2029577 | 0.00022524 | 1 |

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| <i>PAX4</i> | -0.2029965 | 0.0002246 | 1 |
| <i>OR6T1</i> | -0.2030036 | 0.00022449 | 1 |
| <i>RPE65</i> | -0.2030832 | 0.00022318 | 1 |
| <i>ARMCX2</i> | -0.2031985 | 0.00022131 | 1 |
| <i>COBL</i> | -0.203275 | 0.00022008 | 1 |
| <i>GM2A</i> | -0.2032893 | 0.00021985 | 1 |
| <i>RHOXF1</i> | -0.2033078 | 0.00021955 | 1 |
| <i>GALNTL6</i> | -0.2033236 | 0.0002193 | 1 |
| <i>SOAT1</i> | -0.2033441 | 0.00021897 | 1 |
| <i>ZSCAN22</i> | -0.2033714 | 0.00021854 | 1 |
| <i>TRIM67</i> | -0.2033856 | 0.00021831 | 1 |
| <i>LOC151534</i> | -0.2034216 | 0.00021774 | 1 |
| <i>ARHGAP27</i> | -0.2034583 | 0.00021715 | 1 |
| <i>LOC220594</i> | -0.2035124 | 0.00021629 | 1 |
| <i>LOC400940</i> | -0.2035546 | 0.00021563 | 1 |
| <i>RFX1</i> | -0.2035727 | 0.00021534 | 1 |
| <i>FBXO7</i> | -0.203644 | 0.00021422 | 1 |
| <i>F3</i> | -0.2036927 | 0.00021346 | 1 |
| <i>CCNT1</i> | -0.2036969 | 0.00021339 | 1 |
| <i>TRIM53</i> | -0.2037047 | 0.00021327 | 1 |
| <i>CCDC144B</i> | -0.2038733 | 0.00021065 | 1 |
| <i>ZNF382</i> | -0.2040619 | 0.00020776 | 1 |
| <i>AFAP1</i> | -0.2040952 | 0.00020726 | 1 |
| <i>ARL10</i> | -0.2041836 | 0.00020592 | 1 |
| <i>DMBT1</i> | -0.2042152 | 0.00020544 | 1 |
| <i>KIAA1529</i> | -0.2042338 | 0.00020516 | 1 |
| <i>PGBD3</i> | -0.20436 | 0.00020327 | 1 |
| <i>CCDC42</i> | -0.2043728 | 0.00020307 | 1 |
| <i>NRTN</i> | -0.2044237 | 0.00020232 | 1 |
| <i>CTXN3</i> | -0.2044573 | 0.00020182 | 1 |
| <i>LRP12</i> | -0.2045816 | 0.00019998 | 1 |
| <i>IFI30</i> | -0.2045992 | 0.00019972 | 1 |
| <i>VPS13C</i> | -0.2045993 | 0.00019972 | 1 |
| <i>VEGFC</i> | -0.2046223 | 0.00019938 | 1 |
| <i>TLL11</i> | -0.2046333 | 0.00019922 | 1 |
| <i>AADA4L4</i> | -0.2047005 | 0.00019824 | 1 |
| <i>LIN54</i> | -0.2047128 | 0.00019806 | 1 |
| <i>GALR2</i> | -0.2047938 | 0.00019689 | 1 |
| <i>CPE</i> | -0.2047991 | 0.00019681 | 1 |
| <i>ZNF611</i> | -0.2049631 | 0.00019445 | 1 |
| <i>RPRD2</i> | -0.2050729 | 0.00019288 | 1 |
| <i>MYOZ1</i> | -0.2051078 | 0.00019238 | 1 |
| <i>INO80C</i> | -0.2051622 | 0.00019161 | 1 |
| <i>CARTPT</i> | -0.2051718 | 0.00019148 | 1 |
| <i>STX1B</i> | -0.2053227 | 0.00018936 | 1 |
| <i>RSPH4A</i> | -0.2054284 | 0.00018789 | 1 |
| <i>ISLR2</i> | -0.2054434 | 0.00018768 | 1 |
| <i>TC2N</i> | -0.2055018 | 0.00018687 | 1 |
| <i>ZCCHC18</i> | -0.2055048 | 0.00018683 | 1 |
| <i>WDR11</i> | -0.2055347 | 0.00018642 | 1 |
| <i>TMEM44</i> | -0.2055638 | 0.00018602 | 1 |

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| <i>RGAG1</i> | -0.2055815 | 0.00018578 | 1 |
| <i>TGOLN2</i> | -0.2055967 | 0.00018557 | 1 |
| <i>LDHAL6A</i> | -0.205637 | 0.00018502 | 1 |
| <i>NPTXR</i> | -0.2057084 | 0.00018404 | 1 |
| <i>ELP3</i> | -0.2057196 | 0.00018389 | 1 |
| <i>ZNF80</i> | -0.2057479 | 0.00018351 | 1 |
| <i>CCRL2</i> | -0.2059203 | 0.00018118 | 1 |
| <i>LILRA3</i> | -0.2059774 | 0.00018042 | 1 |
| <i>GPR1</i> | -0.2059922 | 0.00018022 | 1 |
| <i>ZNF440</i> | -0.2060472 | 0.00017949 | 1 |
| <i>GPRC5D</i> | -0.2061676 | 0.00017789 | 1 |
| <i>DIO1</i> | -0.2061802 | 0.00017773 | 1 |
| <i>C20orf103</i> | -0.2061828 | 0.00017769 | 1 |
| <i>CLIC4</i> | -0.2062187 | 0.00017722 | 1 |
| <i>PSKH2</i> | -0.2062203 | 0.0001772 | 1 |
| <i>TSPAN8</i> | -0.2063105 | 0.00017602 | 1 |
| <i>ZNF788</i> | -0.2063107 | 0.00017602 | 1 |
| <i>NFIB</i> | -0.206366 | 0.0001753 | 1 |
| <i>ANK1</i> | -0.2063727 | 0.00017521 | 1 |
| <i>WNT6</i> | -0.2064633 | 0.00017404 | 1 |
| <i>IGF2R</i> | -0.2064984 | 0.00017358 | 1 |
| <i>AMT</i> | -0.2065504 | 0.00017291 | 1 |
| <i>RP1-177G6.2</i> | -0.2066388 | 0.00017178 | 1 |
| <i>CEACAM20</i> | -0.206663 | 0.00017148 | 1 |
| <i>TFAP2B</i> | -0.2066965 | 0.00017105 | 1 |
| <i>TRIM56</i> | -0.2068052 | 0.00016967 | 1 |
| <i>RNF213</i> | -0.2068417 | 0.00016921 | 1 |
| <i>CLSTN2</i> | -0.2069517 | 0.00016784 | 1 |
| <i>FGF12</i> | -0.2069554 | 0.00016779 | 1 |
| <i>GPR68</i> | -0.2069926 | 0.00016733 | 1 |
| <i>C11orf63</i> | -0.2071358 | 0.00016555 | 1 |
| <i>FAM69B</i> | -0.2072794 | 0.00016379 | 1 |
| <i>INPP5F</i> | -0.2073449 | 0.000163 | 1 |
| <i>PCDHGC3</i> | -0.2073457 | 0.00016299 | 1 |
| <i>FOXN1</i> | -0.2073671 | 0.00016273 | 1 |
| <i>APOD</i> | -0.2074027 | 0.0001623 | 1 |
| <i>SLC45A4</i> | -0.2074969 | 0.00016116 | 1 |
| <i>NR1I3</i> | -0.2075324 | 0.00016074 | 1 |
| <i>IFNGR1</i> | -0.2075923 | 0.00016002 | 1 |
| <i>LOC653653</i> | -0.2076171 | 0.00015972 | 1 |
| <i>FBXO15</i> | -0.2076542 | 0.00015928 | 1 |
| <i>DNAJC12</i> | -0.2077338 | 0.00015834 | 1 |
| <i>FN3K</i> | -0.207815 | 0.00015738 | 1 |
| <i>SPDYE4</i> | -0.2078408 | 0.00015708 | 1 |
| <i>HTR6</i> | -0.2078547 | 0.00015692 | 1 |
| <i>HOXA6</i> | -0.2079139 | 0.00015622 | 1 |
| <i>KCTD5</i> | -0.2080088 | 0.00015512 | 1 |
| <i>PIK3CB</i> | -0.2080289 | 0.00015489 | 1 |
| <i>C1orf172</i> | -0.2080393 | 0.00015477 | 1 |
| <i>UGT2B11</i> | -0.2080972 | 0.0001541 | 1 |
| <i>ITGA10</i> | -0.2082713 | 0.0001521 | 1 |

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| <i>KIAA1324L</i> | -0.208281 | 0.00015199 | 1 |
| <i>MT1A</i> | -0.2083778 | 0.0001509 | 1 |
| <i>TRIM21</i> | -0.2084085 | 0.00015055 | 1 |
| <i>C1orf114</i> | -0.2084189 | 0.00015043 | 1 |
| <i>TMEM50B</i> | -0.2085729 | 0.00014871 | 1 |
| <i>TPPP</i> | -0.2086081 | 0.00014832 | 1 |
| <i>MX1</i> | -0.208622 | 0.00014816 | 1 |
| <i>TULP2</i> | -0.2086787 | 0.00014753 | 1 |
| <i>SYNGR3</i> | -0.2087307 | 0.00014696 | 1 |
| <i>GABRA2</i> | -0.2087315 | 0.00014695 | 1 |
| <i>SPSB4</i> | -0.20874 | 0.00014686 | 1 |
| <i>TLK1</i> | -0.2087695 | 0.00014653 | 1 |
| <i>PLOD2</i> | -0.2087807 | 0.00014641 | 1 |
| <i>LOC723809</i> | -0.2088275 | 0.0001459 | 1 |
| <i>SLC25A12</i> | -0.2088488 | 0.00014566 | 1 |
| <i>PRELID2</i> | -0.2088493 | 0.00014566 | 1 |
| <i>ZNF793</i> | -0.2088582 | 0.00014556 | 1 |
| <i>CCNB3</i> | -0.2088587 | 0.00014556 | 1 |
| <i>TRAPPC1</i> | -0.2088781 | 0.00014534 | 1 |
| <i>ZFX</i> | -0.2089043 | 0.00014506 | 1 |
| <i>LOC286002</i> | -0.2089053 | 0.00014505 | 1 |
| <i>TSPAN15</i> | -0.2089227 | 0.00014486 | 1 |
| <i>ATP10A</i> | -0.2090001 | 0.00014402 | 1 |
| <i>NUAK1</i> | -0.2091967 | 0.00014191 | 1 |
| <i>FCGR2A</i> | -0.2092093 | 0.00014177 | 1 |
| <i>TMEM129</i> | -0.2092187 | 0.00014167 | 1 |
| <i>CBLB</i> | -0.2092408 | 0.00014144 | 1 |
| <i>ZNF618</i> | -0.209298 | 0.00014083 | 1 |
| <i>CCDC144A</i> | -0.2093024 | 0.00014079 | 1 |
| <i>UBC</i> | -0.2093899 | 0.00013986 | 1 |
| <i>C3orf55</i> | -0.2094777 | 0.00013894 | 1 |
| <i>KLHL5</i> | -0.2095034 | 0.00013867 | 1 |
| <i>GPR64</i> | -0.2095371 | 0.00013832 | 1 |
| <i>RASAL1</i> | -0.2097287 | 0.00013634 | 1 |
| <i>ARHGAP19</i> | -0.2097807 | 0.00013581 | 1 |
| <i>XK</i> | -0.209797 | 0.00013564 | 1 |
| <i>WNT10B</i> | -0.2098471 | 0.00013513 | 1 |
| <i>LOC1003037</i> | -0.2098484 | 0.00013512 | 1 |
| <i>C11orf42</i> | -0.2098488 | 0.00013511 | 1 |
| <i>BRD1</i> | -0.2100011 | 0.00013357 | 1 |
| <i>ALKBH7</i> | -0.2100561 | 0.00013302 | 1 |
| <i>ZFHX4</i> | -0.2100617 | 0.00013296 | 1 |
| <i>EID2B</i> | -0.2100989 | 0.00013259 | 1 |
| <i>CCDC147</i> | -0.2101267 | 0.00013231 | 1 |
| <i>MTSS1</i> | -0.210131 | 0.00013227 | 1 |
| <i>OTOA</i> | -0.2101539 | 0.00013204 | 1 |
| <i>ABCA7</i> | -0.2104223 | 0.00012939 | 1 |
| <i>SH3BP2</i> | -0.2106039 | 0.00012762 | 1 |
| <i>SAMD11</i> | -0.2107053 | 0.00012665 | 1 |
| <i>SIRPA</i> | -0.2107216 | 0.00012649 | 1 |
| <i>SHANK3</i> | -0.2107597 | 0.00012613 | 1 |

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| <i>HLA-A</i> | -0.2108123 | 0.00012563 | 1 |
| <i>SUCNR1</i> | -0.2108195 | 0.00012556 | 1 |
| <i>LAYN</i> | -0.2108235 | 0.00012552 | 1 |
| <i>LIPJ</i> | -0.2110242 | 0.00012363 | 1 |
| <i>IL23R</i> | -0.2110465 | 0.00012342 | 1 |
| <i>LOC1003026</i> | -0.2110706 | 0.00012319 | 1 |
| <i>BAIAP2L2</i> | -0.2110775 | 0.00012313 | 1 |
| <i>SAP130</i> | -0.21108 | 0.0001231 | 1 |
| <i>GBP1</i> | -0.2110989 | 0.00012293 | 1 |
| <i>KIAA0556</i> | -0.2111029 | 0.00012289 | 1 |
| <i>CASP1</i> | -0.2111427 | 0.00012252 | 1 |
| <i>TAS2R60</i> | -0.2111635 | 0.00012233 | 1 |
| <i>TCTEX1D1</i> | -0.2112142 | 0.00012186 | 1 |
| <i>EPHA3</i> | -0.2112198 | 0.00012181 | 1 |
| <i>TMEM19</i> | -0.2113421 | 0.00012068 | 1 |
| <i>GFPT2</i> | -0.2113902 | 0.00012024 | 1 |
| <i>TRIO</i> | -0.2114927 | 0.00011931 | 1 |
| <i>NT5E</i> | -0.2115602 | 0.0001187 | 1 |
| <i>MIB1</i> | -0.2115994 | 0.00011835 | 1 |
| <i>CBR1</i> | -0.2116222 | 0.00011814 | 1 |
| <i>MFSD6</i> | -0.2116611 | 0.00011779 | 1 |
| <i>PICALM</i> | -0.2116617 | 0.00011779 | 1 |
| <i>HCG27</i> | -0.2117075 | 0.00011738 | 1 |
| <i>C12orf36</i> | -0.2119681 | 0.00011507 | 1 |
| <i>RASA3</i> | -0.2120225 | 0.0001146 | 1 |
| <i>SHC4</i> | -0.212144 | 0.00011354 | 1 |
| <i>INO80</i> | -0.2121739 | 0.00011328 | 1 |
| <i>CCL2</i> | -0.2122453 | 0.00011267 | 1 |
| <i>SLC9A4</i> | -0.2124054 | 0.0001113 | 1 |
| <i>C3orf15</i> | -0.2124568 | 0.00011087 | 1 |
| <i>C6orf35</i> | -0.2124943 | 0.00011055 | 1 |
| <i>CACNA1G</i> | -0.2125168 | 0.00011036 | 1 |
| <i>ZNF564</i> | -0.2125908 | 0.00010974 | 1 |
| <i>GATM</i> | -0.2126132 | 0.00010955 | 1 |
| <i>EXOC3L2</i> | -0.2126141 | 0.00010954 | 1 |
| <i>SLC26A7</i> | -0.212624 | 0.00010946 | 1 |
| <i>AK1</i> | -0.2126316 | 0.0001094 | 1 |
| <i>RPA1</i> | -0.2126463 | 0.00010927 | 1 |
| <i>ISL2</i> | -0.2126583 | 0.00010917 | 1 |
| <i>WNT16</i> | -0.2126715 | 0.00010906 | 1 |
| <i>RUNDC2C</i> | -0.2127707 | 0.00010824 | 1 |
| <i>ADAMTS5</i> | -0.2127929 | 0.00010806 | 1 |
| <i>C1orf89</i> | -0.212808 | 0.00010793 | 1 |
| <i>FOSB</i> | -0.2128187 | 0.00010784 | 1 |
| <i>ITPR1L2</i> | -0.2128848 | 0.0001073 | 1 |
| <i>SIAH3</i> | -0.2129009 | 0.00010717 | 1 |
| <i>TPM2</i> | -0.2129984 | 0.00010637 | 1 |
| <i>NTS</i> | -0.2130092 | 0.00010628 | 1 |
| <i>FPR1</i> | -0.2130363 | 0.00010606 | 1 |
| <i>ARHGEF4</i> | -0.213136 | 0.00010526 | 1 |
| <i>RNF186</i> | -0.2131725 | 0.00010496 | 1 |

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| <i>ACTN4</i> | -0.2132769 | 0.00010413 | 1 |
| <i>RAB39</i> | -0.2132795 | 0.00010411 | 1 |
| <i>GUCY1A3</i> | -0.2133183 | 0.0001038 | 1 |
| <i>VMO1</i> | -0.2134163 | 0.00010302 | 0.99405869 |
| <i>ZPLD1</i> | -0.2134232 | 0.00010297 | 0.99373908 |
| <i>PLA2G7</i> | -0.2134293 | 0.00010292 | 0.99337636 |
| <i>CTR9</i> | -0.2134578 | 0.00010269 | 0.99131408 |
| <i>NAPEPLD</i> | -0.2134614 | 0.00010267 | 0.99113899 |
| <i>TFPI</i> | -0.2135063 | 0.00010231 | 0.98783654 |
| <i>LOC400759</i> | -0.2135613 | 0.00010188 | 0.98388431 |
| <i>NRP2</i> | -0.2135857 | 0.00010169 | 0.98214722 |
| <i>MAML1</i> | -0.2136143 | 0.00010147 | 0.98009518 |
| <i>MR1</i> | -0.2137953 | 0.00010007 | 0.9667713 |
| <i>LOC285696</i> | -0.2138756 | 9.95E-05 | 0.96103056 |
| <i>TRIM8</i> | -0.2139308 | 9.90E-05 | 0.95725899 |
| <i>NRBF2</i> | -0.2139854 | 9.86E-05 | 0.95335279 |
| <i>VPREB1</i> | -0.2140162 | 9.84E-05 | 0.9511975 |
| <i>SRR</i> | -0.2140565 | 9.81E-05 | 0.94835598 |
| <i>OAS1</i> | -0.2141908 | 9.71E-05 | 0.93889849 |
| <i>C1orf65</i> | -0.2142893 | 9.63E-05 | 0.93200419 |
| <i>MAP1LC3B2</i> | -0.2144274 | 9.53E-05 | 0.92281485 |
| <i>FBN1</i> | -0.214442 | 9.52E-05 | 0.92194357 |
| <i>TTC39B</i> | -0.2144424 | 9.52E-05 | 0.92194357 |
| <i>ZNF462</i> | -0.2144861 | 9.49E-05 | 0.91894201 |
| <i>MGC2752</i> | -0.2144967 | 9.48E-05 | 0.91828138 |
| <i>DHRS7</i> | -0.2145213 | 9.46E-05 | 0.91664396 |
| <i>PTPRB</i> | -0.2146577 | 9.36E-05 | 0.90724344 |
| <i>CERK</i> | -0.2146703 | 9.36E-05 | 0.90645697 |
| <i>BCAT1</i> | -0.2148001 | 9.26E-05 | 0.89770325 |
| <i>PGPEP1L</i> | -0.214815 | 9.25E-05 | 0.89676928 |
| <i>SLC25A37</i> | -0.2150433 | 9.09E-05 | 0.88156221 |
| <i>AP4S1</i> | -0.215112 | 9.04E-05 | 0.87707229 |
| <i>HSD17B1</i> | -0.2151814 | 8.99E-05 | 0.87274506 |
| <i>GSTA2</i> | -0.2151994 | 8.98E-05 | 0.87162354 |
| <i>PRRC1</i> | -0.2152195 | 8.97E-05 | 0.87035698 |
| <i>TNFRSF21</i> | -0.2152275 | 8.96E-05 | 0.86991033 |
| <i>RANBP3L</i> | -0.2152405 | 8.95E-05 | 0.86912647 |
| <i>COLQ</i> | -0.2153089 | 8.91E-05 | 0.86471986 |
| <i>THSD7B</i> | -0.2153098 | 8.90E-05 | 0.86471986 |
| <i>TXNDC3</i> | -0.2153202 | 8.90E-05 | 0.86414516 |
| <i>PLL</i> | -0.2153313 | 8.89E-05 | 0.86357843 |
| <i>LRRTM4</i> | -0.2155074 | 8.77E-05 | 0.85215802 |
| <i>ZNF699</i> | -0.2155241 | 8.76E-05 | 0.85114539 |
| <i>TRIM16L</i> | -0.2155425 | 8.75E-05 | 0.85001933 |
| <i>DRGX</i> | -0.2158129 | 8.56E-05 | 0.83291942 |
| <i>C6orf192</i> | -0.2158714 | 8.53E-05 | 0.82923992 |
| <i>TDRD9</i> | -0.2159298 | 8.49E-05 | 0.82566081 |
| <i>EPB42</i> | -0.2159721 | 8.46E-05 | 0.82304248 |
| <i>PCDH8</i> | -0.2159868 | 8.45E-05 | 0.82218793 |
| <i>YLPM1</i> | -0.2159897 | 8.45E-05 | 0.82209004 |
| <i>EPPK1</i> | -0.2161278 | 8.36E-05 | 0.81374424 |

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| <i>CDH2</i> | -0.2161962 | 8.31E-05 | 0.80951842 |
| <i>SUGT1P1</i> | -0.2162685 | 8.27E-05 | 0.80523646 |
| <i>ANKS1A</i> | -0.2163744 | 8.20E-05 | 0.79896532 |
| <i>ZNF362</i> | -0.2164043 | 8.18E-05 | 0.79719234 |
| <i>GPR155</i> | -0.2164153 | 8.17E-05 | 0.79659454 |
| <i>LOC93432</i> | -0.2166061 | 8.05E-05 | 0.7851866 |
| <i>HTR1E</i> | -0.2166144 | 8.05E-05 | 0.78476374 |
| <i>PKIG</i> | -0.2166898 | 8.00E-05 | 0.78025247 |
| <i>HCG26</i> | -0.2167074 | 7.99E-05 | 0.77926118 |
| <i>EFNB3</i> | -0.2167532 | 7.96E-05 | 0.77664988 |
| <i>SIRPB1</i> | -0.2167751 | 7.95E-05 | 0.77548465 |
| <i>C7orf31</i> | -0.2167969 | 7.93E-05 | 0.77425342 |
| <i>ZNF331</i> | -0.2168353 | 7.91E-05 | 0.77225856 |
| <i>DPYSL2</i> | -0.2169002 | 7.87E-05 | 0.76843981 |
| <i>KDM2A</i> | -0.2170368 | 7.79E-05 | 0.76038208 |
| <i>ZC3H7B</i> | -0.2170616 | 7.77E-05 | 0.75899443 |
| <i>GRM6</i> | -0.2170753 | 7.76E-05 | 0.75826078 |
| <i>CDK17</i> | -0.2171494 | 7.72E-05 | 0.75396978 |
| <i>PPEF2</i> | -0.2172358 | 7.67E-05 | 0.74929306 |
| <i>CLEC4C</i> | -0.217336 | 7.61E-05 | 0.74376158 |
| <i>MRC2</i> | -0.2173403 | 7.61E-05 | 0.74358505 |
| <i>NF2</i> | -0.2174146 | 7.56E-05 | 0.73936331 |
| <i>DBP</i> | -0.2174288 | 7.55E-05 | 0.73869143 |
| <i>THAP8</i> | -0.2174917 | 7.52E-05 | 0.73522547 |
| <i>SAMD8</i> | -0.2175413 | 7.49E-05 | 0.73245786 |
| <i>HIST1H2AC</i> | -0.2176068 | 7.45E-05 | 0.72886982 |
| <i>TCEA2</i> | -0.2176386 | 7.43E-05 | 0.72720723 |
| <i>FAM106A</i> | -0.2177278 | 7.38E-05 | 0.72237576 |
| <i>IGFBP5</i> | -0.2177793 | 7.35E-05 | 0.71961708 |
| <i>GABPA</i> | -0.217784 | 7.35E-05 | 0.71942843 |
| <i>TFF3</i> | -0.2177981 | 7.34E-05 | 0.71870831 |
| <i>RNASE3</i> | -0.2178832 | 7.29E-05 | 0.7140116 |
| <i>DOK6</i> | -0.2179313 | 7.26E-05 | 0.71155626 |
| <i>HEATR7B2</i> | -0.2179325 | 7.26E-05 | 0.71155626 |
| <i>BTC</i> | -0.2179665 | 7.24E-05 | 0.70973496 |
| <i>CTNNA2</i> | -0.2179682 | 7.24E-05 | 0.70971733 |
| <i>SLC45A3</i> | -0.2180205 | 7.21E-05 | 0.70688744 |
| <i>GCH1</i> | -0.2180228 | 7.21E-05 | 0.70682984 |
| <i>TBC1D22B</i> | -0.2180365 | 7.20E-05 | 0.706145 |
| <i>C22orf32</i> | -0.2180803 | 7.18E-05 | 0.70379885 |
| <i>SFTPA1</i> | -0.2181352 | 7.15E-05 | 0.70099321 |
| <i>ZNF844</i> | -0.2181672 | 7.13E-05 | 0.69930995 |
| <i>ELL</i> | -0.2182004 | 7.11E-05 | 0.69756736 |
| <i>TRIM34</i> | -0.2182188 | 7.10E-05 | 0.69663134 |
| <i>COG1</i> | -0.2182748 | 7.07E-05 | 0.69365293 |
| <i>KLK4</i> | -0.2182939 | 7.06E-05 | 0.69268317 |
| <i>VPS45</i> | -0.2184055 | 7.00E-05 | 0.68679254 |
| <i>USF2</i> | -0.2184277 | 6.99E-05 | 0.68566776 |
| <i>LLGL2</i> | -0.2184386 | 6.98E-05 | 0.68514787 |
| <i>PLG</i> | -0.2184908 | 6.95E-05 | 0.68256031 |
| <i>UCK1</i> | -0.2186112 | 6.89E-05 | 0.67634638 |

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| <i>KIAA0664</i> | -0.2186849 | 6.85E-05 | 0.67251264 |
| <i>ITGB1BP2</i> | -0.2187042 | 6.84E-05 | 0.67156309 |
| <i>PAR5</i> | -0.2187346 | 6.82E-05 | 0.67003128 |
| <i>C19orf33</i> | -0.2188124 | 6.78E-05 | 0.66608441 |
| <i>CHADL</i> | -0.2188444 | 6.76E-05 | 0.66461433 |
| <i>CPA2</i> | -0.2188798 | 6.74E-05 | 0.66290233 |
| <i>PLEKHF1</i> | -0.2189097 | 6.73E-05 | 0.66141024 |
| <i>STK17A</i> | -0.21893 | 6.72E-05 | 0.66042193 |
| <i>CCDC159</i> | -0.2189353 | 6.71E-05 | 0.66021775 |
| <i>SMPDL3B</i> | -0.2189778 | 6.69E-05 | 0.65814809 |
| <i>ZNF826</i> | -0.218981 | 6.69E-05 | 0.65804863 |
| <i>PLXNB3</i> | -0.2190244 | 6.67E-05 | 0.65600567 |
| <i>ENOX1</i> | -0.2190877 | 6.63E-05 | 0.65287905 |
| <i>YIPF3</i> | -0.219127 | 6.61E-05 | 0.65100035 |
| <i>NIPA2</i> | -0.2192139 | 6.57E-05 | 0.64662792 |
| <i>CGNL1</i> | -0.2193321 | 6.51E-05 | 0.64076469 |
| <i>ZNF619</i> | -0.2193874 | 6.48E-05 | 0.63810962 |
| <i>FAM98C</i> | -0.2195895 | 6.38E-05 | 0.62832417 |
| <i>DNAJC27</i> | -0.2196605 | 6.34E-05 | 0.62490185 |
| <i>RGPD5</i> | -0.2196802 | 6.33E-05 | 0.62399562 |
| <i>S100Z</i> | -0.2198333 | 6.25E-05 | 0.61662641 |
| <i>LAMB3</i> | -0.2198689 | 6.24E-05 | 0.61495703 |
| <i>HCFC1R1</i> | -0.2198966 | 6.22E-05 | 0.61373757 |
| <i>CPLX3</i> | -0.2199009 | 6.22E-05 | 0.61359533 |
| <i>NUDT11</i> | -0.2199329 | 6.20E-05 | 0.61210718 |
| <i>DNAJC1</i> | -0.2200858 | 6.13E-05 | 0.60481885 |
| <i>RSPRY1</i> | -0.220088 | 6.13E-05 | 0.6047756 |
| <i>EFCAB5</i> | -0.2200964 | 6.13E-05 | 0.60443271 |
| <i>GJC1</i> | -0.2201235 | 6.11E-05 | 0.60320057 |
| <i>UCP2</i> | -0.220162 | 6.09E-05 | 0.60149134 |
| <i>FAM120A</i> | -0.2201994 | 6.08E-05 | 0.59977633 |
| <i>EXD3</i> | -0.2202522 | 6.05E-05 | 0.5976382 |
| <i>PHOSPHO1</i> | -0.2203185 | 6.02E-05 | 0.59469354 |
| <i>KLHL2</i> | -0.2203521 | 6.00E-05 | 0.59317566 |
| <i>MBD5</i> | -0.2204232 | 5.97E-05 | 0.58990898 |
| <i>SGCD</i> | -0.2204637 | 5.95E-05 | 0.58814063 |
| <i>PGAM2</i> | -0.2204752 | 5.94E-05 | 0.58766394 |
| <i>FAM125B</i> | -0.220552 | 5.91E-05 | 0.58421868 |
| <i>PHF12</i> | -0.2205554 | 5.91E-05 | 0.58412112 |
| <i>NRK</i> | -0.2205843 | 5.89E-05 | 0.58290138 |
| <i>NPC1</i> | -0.2207238 | 5.83E-05 | 0.57655359 |
| <i>LRRC17</i> | -0.220787 | 5.80E-05 | 0.57372978 |
| <i>LOC158696</i> | -0.2208469 | 5.77E-05 | 0.57112593 |
| <i>LECT1</i> | -0.220901 | 5.75E-05 | 0.56885418 |
| <i>SEMA4A</i> | -0.2209264 | 5.74E-05 | 0.5678215 |
| <i>IGFBP4</i> | -0.2209322 | 5.73E-05 | 0.56761801 |
| <i>NPAS1</i> | -0.2209602 | 5.72E-05 | 0.56647577 |
| <i>NPHS2</i> | -0.2211343 | 5.64E-05 | 0.55875577 |
| <i>GSTM1</i> | -0.2211508 | 5.63E-05 | 0.55808295 |
| <i>ASXL2</i> | -0.2211924 | 5.62E-05 | 0.55629712 |
| <i>C5orf23</i> | -0.2212075 | 5.61E-05 | 0.55568793 |

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| <i>ST8SIA6</i> | -0.2212337 | 5.60E-05 | 0.55464432 |
| <i>BNC1</i> | -0.2212575 | 5.59E-05 | 0.55365234 |
| <i>CLCN2</i> | -0.221314 | 5.56E-05 | 0.55122835 |
| <i>NAGS</i> | -0.2213217 | 5.56E-05 | 0.55094685 |
| <i>TKTL2</i> | -0.2213478 | 5.55E-05 | 0.54986011 |
| <i>EPX</i> | -0.2213586 | 5.54E-05 | 0.54944198 |
| <i>C8orf48</i> | -0.2214074 | 5.52E-05 | 0.54741198 |
| <i>ASRGL1</i> | -0.2214077 | 5.52E-05 | 0.54741198 |
| <i>VPS24</i> | -0.2215679 | 5.45E-05 | 0.54091898 |
| <i>COPZ2</i> | -0.221627 | 5.43E-05 | 0.5384359 |
| <i>ANKRD24</i> | -0.2216737 | 5.40E-05 | 0.5364887 |
| <i>LOC285780</i> | -0.2217045 | 5.39E-05 | 0.53522885 |
| <i>PLXNA4</i> | -0.2217233 | 5.38E-05 | 0.5344825 |
| <i>CHMP1A</i> | -0.221734 | 5.38E-05 | 0.53408199 |
| <i>ZBTB37</i> | -0.2218551 | 5.33E-05 | 0.52911664 |
| <i>GATS</i> | -0.2219222 | 5.30E-05 | 0.52645261 |
| <i>HIST1H2BC</i> | -0.2219395 | 5.29E-05 | 0.52578187 |
| <i>XPR1</i> | -0.2219583 | 5.28E-05 | 0.52504588 |
| <i>DNALI1</i> | -0.2220615 | 5.24E-05 | 0.52085074 |
| <i>PROSC</i> | -0.2220928 | 5.23E-05 | 0.51960437 |
| <i>F2RL3</i> | -0.2221099 | 5.22E-05 | 0.51894785 |
| <i>CALN1</i> | -0.2221352 | 5.21E-05 | 0.5180065 |
| <i>JAK3</i> | -0.2221468 | 5.20E-05 | 0.51763026 |
| <i>PVRL2</i> | -0.2222046 | 5.18E-05 | 0.51535209 |
| <i>TSPO</i> | -0.2222213 | 5.17E-05 | 0.5147169 |
| <i>C21orf34</i> | -0.2223213 | 5.13E-05 | 0.51067884 |
| <i>LINS1</i> | -0.2223547 | 5.12E-05 | 0.50942041 |
| <i>ENTPD7</i> | -0.2223682 | 5.11E-05 | 0.50892088 |
| <i>CYP27A1</i> | -0.2225625 | 5.04E-05 | 0.50128674 |
| <i>GTSF1</i> | -0.2226902 | 4.98E-05 | 0.49629315 |
| <i>VSIG10</i> | -0.2227021 | 4.98E-05 | 0.49587093 |
| <i>BIN3</i> | -0.2227099 | 4.98E-05 | 0.49561264 |
| <i>GLG1</i> | -0.2227616 | 4.96E-05 | 0.49366424 |
| <i>ARR3</i> | -0.2228792 | 4.91E-05 | 0.48914099 |
| <i>FGD3</i> | -0.2229128 | 4.90E-05 | 0.48792417 |
| <i>OCLN</i> | -0.2229261 | 4.89E-05 | 0.48745384 |
| <i>ADAT3</i> | -0.2229777 | 4.87E-05 | 0.48549323 |
| <i>ZNF776</i> | -0.2231757 | 4.79E-05 | 0.47818969 |
| <i>KDM6A</i> | -0.2231884 | 4.79E-05 | 0.4777512 |
| <i>NDUFS7</i> | -0.2231951 | 4.79E-05 | 0.47754233 |
| <i>HLA-DRB6</i> | -0.2232567 | 4.76E-05 | 0.47528527 |
| <i>TMEM217</i> | -0.2232637 | 4.76E-05 | 0.47506516 |
| <i>RCBTB2</i> | -0.2233262 | 4.74E-05 | 0.47279717 |
| <i>C2orf65</i> | -0.2233324 | 4.73E-05 | 0.47264637 |
| <i>SH2B1</i> | -0.2233405 | 4.73E-05 | 0.47238709 |
| <i>HIBCH</i> | -0.2233578 | 4.72E-05 | 0.47182652 |
| <i>SIGLEC12</i> | -0.2235546 | 4.65E-05 | 0.464666 |
| <i>VTN</i> | -0.2235601 | 4.65E-05 | 0.46450796 |
| <i>SFN</i> | -0.2236142 | 4.63E-05 | 0.4625407 |
| <i>MAGEE1</i> | -0.2236286 | 4.62E-05 | 0.46205214 |
| <i>IRX1</i> | -0.2237398 | 4.58E-05 | 0.45798758 |

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| <i>LTF</i> | -0.2237603 | 4.57E-05 | 0.45737187 |
| <i>RAG1AP1</i> | -0.2237661 | 4.57E-05 | 0.45720485 |
| <i>EFNA2</i> | -0.2237863 | 4.56E-05 | 0.45650677 |
| <i>COL6A1</i> | -0.2238868 | 4.53E-05 | 0.45306222 |
| <i>CLEC4A</i> | -0.2238909 | 4.53E-05 | 0.45295702 |
| <i>CCDC17</i> | -0.2240434 | 4.47E-05 | 0.44752551 |
| <i>TMEM181</i> | -0.2241599 | 4.43E-05 | 0.44352488 |
| <i>C5orf52</i> | -0.2241619 | 4.43E-05 | 0.44349939 |
| <i>SLC46A2</i> | -0.2241786 | 4.42E-05 | 0.44294559 |
| <i>REG4</i> | -0.2241825 | 4.42E-05 | 0.44285173 |
| <i>EHF</i> | -0.2241843 | 4.42E-05 | 0.44283109 |
| <i>PEG3AS</i> | -0.2242178 | 4.41E-05 | 0.44168201 |
| <i>PCBP3</i> | -0.2242775 | 4.39E-05 | 0.43974138 |
| <i>CRELD1</i> | -0.2242832 | 4.39E-05 | 0.43958226 |
| <i>APOBEC3H</i> | -0.2245028 | 4.31E-05 | 0.43208805 |
| <i>LOC1003026</i> | -0.22453 | 4.30E-05 | 0.43118496 |
| <i>PRSS8</i> | -0.2245917 | 4.28E-05 | 0.42917247 |
| <i>PPIL2</i> | -0.2246205 | 4.27E-05 | 0.42826304 |
| <i>IQCD</i> | -0.2246288 | 4.27E-05 | 0.42801802 |
| <i>GRIP2</i> | -0.2246997 | 4.24E-05 | 0.4256191 |
| <i>MS4A14</i> | -0.2248392 | 4.19E-05 | 0.4209353 |
| <i>FAM134C</i> | -0.2251472 | 4.09E-05 | 0.4107958 |
| <i>MGAT4B</i> | -0.2251919 | 4.08E-05 | 0.40939374 |
| <i>SPATA4</i> | -0.2252858 | 4.04E-05 | 0.4063781 |
| <i>C8orf12</i> | -0.2253099 | 4.04E-05 | 0.40562754 |
| <i>MAPK11</i> | -0.2255104 | 3.97E-05 | 0.39933247 |
| <i>LOC145820</i> | -0.2255627 | 3.96E-05 | 0.39768565 |
| <i>OSTM1</i> | -0.2257536 | 3.89E-05 | 0.39169744 |
| <i>PID1</i> | -0.2257938 | 3.88E-05 | 0.39046022 |
| <i>FBXO17</i> | -0.2258151 | 3.88E-05 | 0.38982552 |
| <i>ABTB1</i> | -0.2258783 | 3.86E-05 | 0.38790956 |
| <i>NMBR</i> | -0.2259211 | 3.84E-05 | 0.38664059 |
| <i>FLRT1</i> | -0.2259882 | 3.82E-05 | 0.38461799 |
| <i>PPP1R3B</i> | -0.2260388 | 3.81E-05 | 0.38307914 |
| <i>C12orf71</i> | -0.2260422 | 3.80E-05 | 0.38301227 |
| <i>ATMIN</i> | -0.2260537 | 3.80E-05 | 0.38269341 |
| <i>DBT</i> | -0.2260664 | 3.80E-05 | 0.38234078 |
| <i>MAGED4B</i> | -0.2260681 | 3.80E-05 | 0.38234078 |
| <i>EXD2</i> | -0.2260687 | 3.80E-05 | 0.38234078 |
| <i>FBXO25</i> | -0.2260832 | 3.79E-05 | 0.3819304 |
| <i>C19orf54</i> | -0.2261407 | 3.77E-05 | 0.38018642 |
| <i>STAC3</i> | -0.2261794 | 3.76E-05 | 0.37903344 |
| <i>ITGAE</i> | -0.2262213 | 3.75E-05 | 0.37785718 |
| <i>B3GALT2</i> | -0.2262872 | 3.73E-05 | 0.37591385 |
| <i>PSCA</i> | -0.2263283 | 3.72E-05 | 0.37469735 |
| <i>12-Sep</i> | -0.2263392 | 3.71E-05 | 0.37440261 |
| <i>RAB38</i> | -0.2263512 | 3.71E-05 | 0.37407534 |
| <i>NHLRC2</i> | -0.2265286 | 3.66E-05 | 0.36886347 |
| <i>SULT1C4</i> | -0.2266048 | 3.63E-05 | 0.36665456 |
| <i>IFI16</i> | -0.2266198 | 3.63E-05 | 0.3662421 |
| <i>ODF3B</i> | -0.2266677 | 3.62E-05 | 0.36485441 |

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| <i>ST18</i> | -0.2266815 | 3.61E-05 | 0.36448136 |
| <i>N4BP3</i> | -0.2266917 | 3.61E-05 | 0.36421554 |
| <i>KCNK1</i> | -0.226766 | 3.59E-05 | 0.362089 |
| <i>SIPA1L1</i> | -0.2268291 | 3.57E-05 | 0.36037633 |
| <i>BCAS3</i> | -0.2269001 | 3.55E-05 | 0.35836764 |
| <i>MLL2</i> | -0.2269829 | 3.52E-05 | 0.35602853 |
| <i>CDK19</i> | -0.2270434 | 3.51E-05 | 0.35434692 |
| <i>PTCHD3</i> | -0.2270571 | 3.50E-05 | 0.35401886 |
| <i>GPR158</i> | -0.2271253 | 3.48E-05 | 0.35212565 |
| <i>ZHX1</i> | -0.227163 | 3.47E-05 | 0.35108062 |
| <i>ZNF683</i> | -0.2272357 | 3.45E-05 | 0.34903616 |
| <i>SNAI2</i> | -0.2273316 | 3.43E-05 | 0.34641837 |
| <i>FAM170B</i> | -0.2273358 | 3.42E-05 | 0.34633272 |
| <i>TESK1</i> | -0.227369 | 3.41E-05 | 0.34553155 |
| <i>GGT1</i> | -0.2274267 | 3.40E-05 | 0.34394091 |
| <i>TPBG</i> | -0.2274359 | 3.40E-05 | 0.34371749 |
| <i>DOCK7</i> | -0.2274614 | 3.39E-05 | 0.34303517 |
| <i>NAT2</i> | -0.2275501 | 3.36E-05 | 0.34059369 |
| <i>FLJ42627</i> | -0.2275734 | 3.36E-05 | 0.33997866 |
| <i>TTY14</i> | -0.227604 | 3.35E-05 | 0.33916229 |
| <i>MC4R</i> | -0.2276729 | 3.33E-05 | 0.33729047 |
| <i>PAPLN</i> | -0.22769 | 3.33E-05 | 0.3368858 |
| <i>SERINC5</i> | -0.22771 | 3.32E-05 | 0.33636928 |
| <i>FAM21A</i> | -0.2277398 | 3.31E-05 | 0.3356157 |
| <i>TUBA1A</i> | -0.2278481 | 3.28E-05 | 0.33272121 |
| <i>SMTN</i> | -0.2278937 | 3.27E-05 | 0.3315144 |
| <i>PCDHB2</i> | -0.2279415 | 3.26E-05 | 0.33025193 |
| <i>FRZB</i> | -0.2279963 | 3.24E-05 | 0.32883652 |
| <i>TTC9B</i> | -0.2280018 | 3.24E-05 | 0.32875413 |
| <i>FCN2</i> | -0.2280052 | 3.24E-05 | 0.32869508 |
| <i>LMX1B</i> | -0.2281191 | 3.21E-05 | 0.32577226 |
| <i>HERC6</i> | -0.228212 | 3.19E-05 | 0.32339534 |
| <i>NDUFA6</i> | -0.2282155 | 3.19E-05 | 0.32333401 |
| <i>YSK4</i> | -0.2282386 | 3.18E-05 | 0.32278667 |
| <i>TTC19</i> | -0.2282539 | 3.18E-05 | 0.32241304 |
| <i>ATP6V0C</i> | -0.2282747 | 3.17E-05 | 0.32189721 |
| <i>CAMK1D</i> | -0.2282761 | 3.17E-05 | 0.3218921 |
| <i>LOC644538</i> | -0.2283315 | 3.16E-05 | 0.32046333 |
| <i>LATS1</i> | -0.2284305 | 3.13E-05 | 0.3179332 |
| <i>CACNG2</i> | -0.2284423 | 3.13E-05 | 0.31765795 |
| <i>FAT3</i> | -0.2284597 | 3.12E-05 | 0.31723603 |
| <i>FAM20B</i> | -0.2284698 | 3.12E-05 | 0.31700352 |
| <i>COL13A1</i> | -0.228547 | 3.10E-05 | 0.31506384 |
| <i>NELL1</i> | -0.2286306 | 3.08E-05 | 0.31293989 |
| <i>CS</i> | -0.2287525 | 3.05E-05 | 0.30991335 |
| <i>ADAMTS16</i> | -0.2288404 | 3.03E-05 | 0.30780197 |
| <i>UBE2E2</i> | -0.2288543 | 3.02E-05 | 0.30748073 |
| <i>ARFGAP3</i> | -0.2289728 | 2.99E-05 | 0.30461859 |
| <i>CA11</i> | -0.2289942 | 2.99E-05 | 0.30411254 |
| <i>LHFP</i> | -0.2290255 | 2.98E-05 | 0.3033615 |
| <i>DEFB132</i> | -0.2290356 | 2.98E-05 | 0.30314034 |

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| <i>SSTR4</i> | -0.2290547 | 2.97E-05 | 0.30272358 |
| <i>TYRP1</i> | -0.2290692 | 2.97E-05 | 0.30239133 |
| <i>ZC3H4</i> | -0.2291436 | 2.95E-05 | 0.3006049 |
| <i>PHF17</i> | -0.229154 | 2.95E-05 | 0.30040534 |
| <i>TMEM57</i> | -0.229232 | 2.93E-05 | 0.29854289 |
| <i>KLC1</i> | -0.229289 | 2.92E-05 | 0.2972325 |
| <i>CHRNA2</i> | -0.2292998 | 2.91E-05 | 0.29699588 |
| <i>CLEC12B</i> | -0.2293979 | 2.89E-05 | 0.29469208 |
| <i>USP32</i> | -0.2294193 | 2.89E-05 | 0.29420143 |
| <i>ADH5</i> | -0.2294627 | 2.88E-05 | 0.29320778 |
| <i>TRADD</i> | -0.2295134 | 2.86E-05 | 0.29204241 |
| <i>BTNL2</i> | -0.2295437 | 2.86E-05 | 0.29134378 |
| <i>EFHD2</i> | -0.2295567 | 2.85E-05 | 0.29105955 |
| <i>FAM127C</i> | -0.2296206 | 2.84E-05 | 0.28958571 |
| <i>VWA3A</i> | -0.2296367 | 2.83E-05 | 0.28923036 |
| <i>ALDH9A1</i> | -0.2296452 | 2.83E-05 | 0.2890554 |
| <i>CASP3</i> | -0.229669 | 2.83E-05 | 0.28851738 |
| <i>FZD2</i> | -0.2297666 | 2.80E-05 | 0.28623167 |
| <i>PRKAG2</i> | -0.2297811 | 2.80E-05 | 0.28591537 |
| <i>COQ9</i> | -0.2298707 | 2.78E-05 | 0.28383752 |
| <i>HELQ</i> | -0.2298725 | 2.78E-05 | 0.2838217 |
| <i>GPRIN3</i> | -0.2298742 | 2.78E-05 | 0.28381015 |
| <i>POGZ</i> | -0.2299274 | 2.77E-05 | 0.28259455 |
| <i>DRP2</i> | -0.2299533 | 2.76E-05 | 0.28204617 |
| <i>SLC16A5</i> | -0.2299733 | 2.76E-05 | 0.28160719 |
| <i>ATP1A4</i> | -0.2300995 | 2.73E-05 | 0.27882261 |
| <i>FBXO3</i> | -0.2301376 | 2.72E-05 | 0.27797322 |
| <i>FGF1</i> | -0.2302719 | 2.69E-05 | 0.27495654 |
| <i>PWWP2A</i> | -0.2302901 | 2.69E-05 | 0.27457007 |
| <i>ZNF175</i> | -0.2303217 | 2.68E-05 | 0.27390491 |
| <i>ZDHHC14</i> | -0.2303237 | 2.68E-05 | 0.27388664 |
| <i>FAM27A</i> | -0.2303355 | 2.68E-05 | 0.27364582 |
| <i>CD1E</i> | -0.2304484 | 2.65E-05 | 0.27118001 |
| <i>SERPINB8</i> | -0.2304785 | 2.64E-05 | 0.27053147 |
| <i>THRAP3</i> | -0.2304965 | 2.64E-05 | 0.27015666 |
| <i>NSUN3</i> | -0.2306182 | 2.61E-05 | 0.26747233 |
| <i>CEACAM16</i> | -0.2306504 | 2.61E-05 | 0.26683717 |
| <i>C17orf63</i> | -0.2306733 | 2.60E-05 | 0.26638299 |
| <i>GPR25</i> | -0.2307202 | 2.59E-05 | 0.26537723 |
| <i>MSTN</i> | -0.2307754 | 2.58E-05 | 0.26423145 |
| <i>NPR3</i> | -0.230825 | 2.57E-05 | 0.26320828 |
| <i>HEXA</i> | -0.2308571 | 2.56E-05 | 0.26256045 |
| <i>LOC1001300</i> | -0.2308772 | 2.56E-05 | 0.26214899 |
| <i>LOC388242</i> | -0.2309482 | 2.54E-05 | 0.2606354 |
| <i>LZIC</i> | -0.230992 | 2.53E-05 | 0.25971347 |
| <i>NR2F2</i> | -0.2311696 | 2.50E-05 | 0.25601201 |
| <i>USF1</i> | -0.2312305 | 2.48E-05 | 0.25479649 |
| <i>EHD3</i> | -0.2312773 | 2.47E-05 | 0.25385707 |
| <i>RAB12</i> | -0.2313563 | 2.46E-05 | 0.25224449 |
| <i>LRRC4</i> | -0.2314282 | 2.44E-05 | 0.25078893 |
| <i>ANKRD20A4</i> | -0.2314337 | 2.44E-05 | 0.25069946 |

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| <i>C17orf101</i> | -0.2314876 | 2.43E-05 | 0.24965078 |
| <i>PEX11G</i> | -0.2314923 | 2.43E-05 | 0.24957778 |
| <i>CLRN3</i> | -0.2315149 | 2.43E-05 | 0.24913412 |
| <i>MEP1A</i> | -0.2317365 | 2.38E-05 | 0.24474716 |
| <i>ATP6V1A</i> | -0.2318949 | 2.35E-05 | 0.2415877 |
| <i>RRAD</i> | -0.2319108 | 2.35E-05 | 0.24128991 |
| <i>YY1AP1</i> | -0.2322028 | 2.29E-05 | 0.23567085 |
| <i>TMIE</i> | -0.2322496 | 2.28E-05 | 0.23479641 |
| <i>CAMK2N1</i> | -0.2324024 | 2.25E-05 | 0.23186683 |
| <i>PHAX</i> | -0.2324532 | 2.24E-05 | 0.23093038 |
| <i>PCDP1</i> | -0.2324948 | 2.24E-05 | 0.23017294 |
| <i>UBE2D3</i> | -0.2325478 | 2.23E-05 | 0.22920176 |
| <i>GFER</i> | -0.2325496 | 2.23E-05 | 0.22918877 |
| <i>SMEK1</i> | -0.2325518 | 2.23E-05 | 0.22916938 |
| <i>PEX19</i> | -0.2325832 | 2.22E-05 | 0.22861311 |
| <i>PGAM4</i> | -0.2325918 | 2.22E-05 | 0.22847003 |
| <i>LOC283174</i> | -0.232614 | 2.21E-05 | 0.22806962 |
| <i>RAB9A</i> | -0.2326597 | 2.21E-05 | 0.22724311 |
| <i>PCDHGA3</i> | -0.2326979 | 2.20E-05 | 0.22654042 |
| <i>PCDHB11</i> | -0.2328552 | 2.17E-05 | 0.22366629 |
| <i>UEVLD</i> | -0.2328989 | 2.16E-05 | 0.22287246 |
| <i>MLL3</i> | -0.232943 | 2.15E-05 | 0.22207207 |
| <i>PKD2</i> | -0.2330598 | 2.13E-05 | 0.21995346 |
| <i>GLRX</i> | -0.233102 | 2.13E-05 | 0.21922071 |
| <i>CCND3</i> | -0.2331173 | 2.12E-05 | 0.21896066 |
| <i>SNX11</i> | -0.2331623 | 2.11E-05 | 0.2181784 |
| <i>FBXL17</i> | -0.2331967 | 2.11E-05 | 0.21759294 |
| <i>ID3</i> | -0.2332461 | 2.10E-05 | 0.21673607 |
| <i>PPP3R2</i> | -0.2332617 | 2.10E-05 | 0.21647477 |
| <i>RBM46</i> | -0.2332772 | 2.09E-05 | 0.21621342 |
| <i>AP1S2</i> | -0.2333012 | 2.09E-05 | 0.21580042 |
| <i>CYP2U1</i> | -0.2333353 | 2.08E-05 | 0.21522588 |
| <i>SLC25A1</i> | -0.2334039 | 2.07E-05 | 0.21401101 |
| <i>AKAP7</i> | -0.2335569 | 2.05E-05 | 0.21132348 |
| <i>RAB11FIP5</i> | -0.2336364 | 2.03E-05 | 0.2099789 |
| <i>MN1</i> | -0.2336594 | 2.03E-05 | 0.20961286 |
| <i>PPP3CA</i> | -0.2338029 | 2.00E-05 | 0.20716243 |
| <i>PGAP3</i> | -0.2339282 | 1.98E-05 | 0.2050115 |
| <i>GMFB</i> | -0.2340271 | 1.97E-05 | 0.20335435 |
| <i>KIR3DL3</i> | -0.2340298 | 1.97E-05 | 0.20332661 |
| <i>DTX3</i> | -0.2340787 | 1.96E-05 | 0.20253138 |
| <i>CSNK1G3</i> | -0.2340966 | 1.96E-05 | 0.2022465 |
| <i>RGS7BP</i> | -0.2342389 | 1.93E-05 | 0.1999353 |
| <i>FAM162B</i> | -0.2343934 | 1.91E-05 | 0.19738888 |
| <i>CCL22</i> | -0.2344132 | 1.90E-05 | 0.19707899 |
| <i>PTPN23</i> | -0.2344294 | 1.90E-05 | 0.19683007 |
| <i>HK3</i> | -0.2344714 | 1.89E-05 | 0.1961522 |
| <i>CALCOCO1</i> | -0.2344822 | 1.89E-05 | 0.19601237 |
| <i>ZDHHC3</i> | -0.2344885 | 1.89E-05 | 0.1959273 |
| <i>PRRG2</i> | -0.2346992 | 1.86E-05 | 0.19258962 |
| <i>NHLRC4</i> | -0.234759 | 1.85E-05 | 0.1916757 |

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| <i>C14orf21</i> | -0.2348687 | 1.83E-05 | 0.18996377 |
| <i>CDH20</i> | -0.2349264 | 1.82E-05 | 0.18905872 |
| <i>DENND2D</i> | -0.2349412 | 1.82E-05 | 0.18885875 |
| <i>C21orf57</i> | -0.235046 | 1.80E-05 | 0.18724924 |
| <i>GJB2</i> | -0.2351192 | 1.79E-05 | 0.18614737 |
| <i>PMVK</i> | -0.2351239 | 1.79E-05 | 0.18609181 |
| <i>ZNF18</i> | -0.2351548 | 1.79E-05 | 0.18565986 |
| <i>NET1</i> | -0.2351796 | 1.78E-05 | 0.18532515 |
| <i>RCVRN</i> | -0.2352352 | 1.78E-05 | 0.1844919 |
| <i>LRRC52</i> | -0.2352969 | 1.77E-05 | 0.18356758 |
| <i>C1orf168</i> | -0.2353034 | 1.77E-05 | 0.18348347 |
| <i>SHANK1</i> | -0.2353071 | 1.77E-05 | 0.18344721 |
| <i>FBXO34</i> | -0.235308 | 1.77E-05 | 0.18344721 |
| <i>SDR16C5</i> | -0.2353139 | 1.76E-05 | 0.18337444 |
| <i>RAB5C</i> | -0.2353933 | 1.75E-05 | 0.18218173 |
| <i>FAM65C</i> | -0.2354897 | 1.74E-05 | 0.1807524 |
| <i>SPINK4</i> | -0.2355161 | 1.73E-05 | 0.18036684 |
| <i>MAPKBP1</i> | -0.2356015 | 1.72E-05 | 0.17910148 |
| <i>NCRNA0018</i> | -0.2356654 | 1.71E-05 | 0.1782021 |
| <i>EDA2R</i> | -0.2357917 | 1.69E-05 | 0.17635837 |
| <i>CYB5D1</i> | -0.2358188 | 1.69E-05 | 0.17598734 |
| <i>NAV3</i> | -0.2358563 | 1.69E-05 | 0.17544436 |
| <i>OR6F1</i> | -0.2358874 | 1.68E-05 | 0.17499993 |
| <i>KALRN</i> | -0.2359779 | 1.67E-05 | 0.1737287 |
| <i>LHFPL1</i> | -0.2360498 | 1.66E-05 | 0.17272178 |
| <i>KCNA2</i> | -0.236073 | 1.65E-05 | 0.17239925 |
| <i>DEFB1</i> | -0.2360772 | 1.65E-05 | 0.17236224 |
| <i>MED15</i> | -0.2360778 | 1.65E-05 | 0.17236224 |
| <i>GPR173</i> | -0.2362059 | 1.64E-05 | 0.17054689 |
| <i>TMEM173</i> | -0.2362147 | 1.63E-05 | 0.17045151 |
| <i>CADPS2</i> | -0.2362666 | 1.63E-05 | 0.16971863 |
| <i>UBE4A</i> | -0.2363144 | 1.62E-05 | 0.1690629 |
| <i>LOC26102</i> | -0.2365272 | 1.59E-05 | 0.16612876 |
| <i>OLIG2</i> | -0.2365401 | 1.59E-05 | 0.16597796 |
| <i>WDR26</i> | -0.2365423 | 1.59E-05 | 0.16596245 |
| <i>STON1-GTF2</i> | -0.2366106 | 1.58E-05 | 0.16501713 |
| <i>PPFIA2</i> | -0.2366323 | 1.58E-05 | 0.16472947 |
| <i>PFKP</i> | -0.2368127 | 1.55E-05 | 0.16231242 |
| <i>NYX</i> | -0.2368292 | 1.55E-05 | 0.16209994 |
| <i>ZNF423</i> | -0.2368465 | 1.55E-05 | 0.16187687 |
| <i>PTPN6</i> | -0.2368778 | 1.54E-05 | 0.16146149 |
| <i>IL25</i> | -0.2369237 | 1.54E-05 | 0.16086243 |
| <i>ARHGAP32</i> | -0.2369292 | 1.54E-05 | 0.16080294 |
| <i>FAM69C</i> | -0.2369464 | 1.54E-05 | 0.16058284 |
| <i>LRRC24</i> | -0.236956 | 1.53E-05 | 0.16046675 |
| <i>NHEJ1</i> | -0.2369977 | 1.53E-05 | 0.15991245 |
| <i>PCNX</i> | -0.2370504 | 1.52E-05 | 0.15922641 |
| <i>LINGO2</i> | -0.2371036 | 1.52E-05 | 0.15852138 |
| <i>SAR1B</i> | -0.2371337 | 1.51E-05 | 0.15813 |
| <i>TSPYL6</i> | -0.2372005 | 1.50E-05 | 0.15726214 |
| <i>FAM122A</i> | -0.2372746 | 1.49E-05 | 0.15630176 |

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| <i>PIM2</i> | -0.2373102 | 1.49E-05 | 0.15584192 |
| <i>HS3ST5</i> | -0.2373496 | 1.48E-05 | 0.15534919 |
| <i>CTSA</i> | -0.237427 | 1.47E-05 | 0.15434143 |
| <i>PCDHB12</i> | -0.237503 | 1.46E-05 | 0.15337195 |
| <i>RNF14</i> | -0.2375505 | 1.46E-05 | 0.15276623 |
| <i>FSIP1</i> | -0.237562 | 1.46E-05 | 0.15263029 |
| <i>ZFP3</i> | -0.2375637 | 1.46E-05 | 0.15262247 |
| <i>ATP1A1</i> | -0.2376293 | 1.45E-05 | 0.15178431 |
| <i>NLRP9</i> | -0.237631 | 1.45E-05 | 0.15177691 |
| <i>FAM114A2</i> | -0.2376898 | 1.44E-05 | 0.1510305 |
| <i>SMARCA1</i> | -0.2377021 | 1.44E-05 | 0.15088667 |
| <i>BAIAP3</i> | -0.2377393 | 1.44E-05 | 0.15042144 |
| <i>AMDHD2</i> | -0.2378912 | 1.42E-05 | 0.14852362 |
| <i>BCAT2</i> | -0.2379528 | 1.41E-05 | 0.14777094 |
| <i>PRSS21</i> | -0.2379528 | 1.41E-05 | 0.14777094 |
| <i>SPINK5</i> | -0.2379619 | 1.41E-05 | 0.14767026 |
| <i>KCNV1</i> | -0.2380382 | 1.40E-05 | 0.14676421 |
| <i>SEPSECS</i> | -0.2380914 | 1.39E-05 | 0.14611144 |
| <i>SDHAP3</i> | -0.2381853 | 1.38E-05 | 0.14495603 |
| <i>HFE</i> | -0.2384675 | 1.35E-05 | 0.1415859 |
| <i>MTVR2</i> | -0.2385065 | 1.34E-05 | 0.14114004 |
| <i>DSP</i> | -0.238566 | 1.34E-05 | 0.14046283 |
| <i>CHST3</i> | -0.2386013 | 1.33E-05 | 0.14005991 |
| <i>ACSF3</i> | -0.2386517 | 1.33E-05 | 0.13948677 |
| <i>NMT2</i> | -0.2387382 | 1.32E-05 | 0.13849357 |
| <i>ASGR2</i> | -0.2387795 | 1.31E-05 | 0.13801694 |
| <i>CCDC160</i> | -0.2387889 | 1.31E-05 | 0.1379183 |
| <i>ZNF324</i> | -0.2387947 | 1.31E-05 | 0.13786318 |
| <i>IFIH1</i> | -0.2389676 | 1.29E-05 | 0.13588217 |
| <i>TCEB3</i> | -0.2390811 | 1.28E-05 | 0.13457603 |
| <i>LOC90110</i> | -0.2390848 | 1.28E-05 | 0.13454623 |
| <i>USP30</i> | -0.2391742 | 1.27E-05 | 0.13352872 |
| <i>RIMBP2</i> | -0.2391928 | 1.27E-05 | 0.13332694 |
| <i>FLJ35390</i> | -0.2392181 | 1.26E-05 | 0.13304989 |
| <i>USP8</i> | -0.2392422 | 1.26E-05 | 0.13278697 |
| <i>MBOAT2</i> | -0.2392533 | 1.26E-05 | 0.13267316 |
| <i>MID2</i> | -0.2392732 | 1.26E-05 | 0.13245844 |
| <i>ENDOU</i> | -0.2393289 | 1.25E-05 | 0.13185004 |
| <i>RIMS1</i> | -0.2393521 | 1.25E-05 | 0.13160016 |
| <i>CNPY4</i> | -0.2394883 | 1.24E-05 | 0.13010268 |
| <i>MYOZ2</i> | -0.2395401 | 1.23E-05 | 0.12953573 |
| <i>HHIPL1</i> | -0.2396652 | 1.22E-05 | 0.12819561 |
| <i>GPRC5C</i> | -0.2398332 | 1.20E-05 | 0.12638827 |
| <i>PCYT1B</i> | -0.2398553 | 1.20E-05 | 0.1261587 |
| <i>RAP1GAP2</i> | -0.2398822 | 1.19E-05 | 0.12589051 |
| <i>SREBF1</i> | -0.2399918 | 1.18E-05 | 0.12475314 |
| <i>RNASEK</i> | -0.2400989 | 1.17E-05 | 0.12361692 |
| <i>RABGAP1</i> | -0.2401519 | 1.17E-05 | 0.12307489 |
| <i>CALML4</i> | -0.2401727 | 1.16E-05 | 0.12286644 |
| <i>ACSS3</i> | -0.2401814 | 1.16E-05 | 0.12278481 |
| <i>TMED10</i> | -0.2402053 | 1.16E-05 | 0.12254344 |

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| <i>ZBTB43</i> | -0.2402852 | 1.15E-05 | 0.12172362 |
| <i>ACSM2A</i> | -0.2402873 | 1.15E-05 | 0.12171322 |
| <i>LSMD1</i> | -0.2402957 | 1.15E-05 | 0.12163592 |
| <i>ZNF775</i> | -0.240383 | 1.14E-05 | 0.1207335 |
| <i>SORL1</i> | -0.2403851 | 1.14E-05 | 0.12072226 |
| <i>LIMCH1</i> | -0.240392 | 1.14E-05 | 0.12066237 |
| <i>FAM50B</i> | -0.240465 | 1.14E-05 | 0.11992519 |
| <i>NGF</i> | -0.2405142 | 1.13E-05 | 0.11943916 |
| <i>TXNDC5</i> | -0.2405694 | 1.13E-05 | 0.11890298 |
| <i>MYLK3</i> | -0.2405882 | 1.12E-05 | 0.11873233 |
| <i>GLI2</i> | -0.2406912 | 1.11E-05 | 0.11769014 |
| <i>IGLL1</i> | -0.240738 | 1.11E-05 | 0.11723644 |
| <i>C17orf72</i> | -0.2407409 | 1.11E-05 | 0.1172176 |
| <i>COQ10B</i> | -0.240799 | 1.10E-05 | 0.11664055 |
| <i>ZBED1</i> | -0.2408258 | 1.10E-05 | 0.11638126 |
| <i>TMEM144</i> | -0.2408347 | 1.10E-05 | 0.11630219 |
| <i>ASCL4</i> | -0.2410967 | 1.08E-05 | 0.11375558 |
| <i>C11orf54</i> | -0.2411149 | 1.07E-05 | 0.1135869 |
| <i>APOB</i> | -0.2411596 | 1.07E-05 | 0.11315755 |
| <i>OBFC1</i> | -0.2412757 | 1.06E-05 | 0.11207614 |
| <i>SPAG9</i> | -0.2413068 | 1.06E-05 | 0.11179605 |
| <i>GABRB2</i> | -0.2413383 | 1.05E-05 | 0.11150109 |
| <i>LGALS3</i> | -0.241361 | 1.05E-05 | 0.11129149 |
| <i>LHX6</i> | -0.241391 | 1.05E-05 | 0.11101273 |
| <i>BST1</i> | -0.2414116 | 1.05E-05 | 0.11083566 |
| <i>WNK3</i> | -0.2414213 | 1.05E-05 | 0.11075411 |
| <i>OR52N4</i> | -0.2414399 | 1.04E-05 | 0.11060537 |
| <i>CDKL5</i> | -0.2414613 | 1.04E-05 | 0.1104099 |
| <i>BCR</i> | -0.2415356 | 1.03E-05 | 0.1097103 |
| <i>ATRN</i> | -0.2415963 | 1.03E-05 | 0.10914341 |
| <i>NOG</i> | -0.2416253 | 1.03E-05 | 0.10887832 |
| <i>CREB3</i> | -0.241847 | 1.01E-05 | 0.10681939 |
| <i>PHF15</i> | -0.242067 | 9.88E-06 | 0.10480345 |
| <i>C4orf49</i> | -0.2421525 | 9.81E-06 | 0.10404551 |
| <i>C4orf41</i> | -0.2421791 | 9.79E-06 | 0.1038238 |
| <i>DHFRL1</i> | -0.2421978 | 9.77E-06 | 0.10367448 |
| <i>RFPL4A</i> | -0.242206 | 9.76E-06 | 0.10360989 |
| <i>C19orf21</i> | -0.2422407 | 9.73E-06 | 0.10330736 |
| <i>FLJ34503</i> | -0.2423597 | 9.63E-06 | 0.10226988 |
| <i>RTBDN</i> | -0.2425149 | 9.50E-06 | 0.1009232 |
| <i>C16orf72</i> | -0.2425321 | 9.49E-06 | 0.10078086 |
| <i>LOC220429</i> | -0.2425812 | 9.45E-06 | 0.10037907 |
| <i>TOR1B</i> | -0.2426921 | 9.36E-06 | 0.09943039 |
| <i>ZFYVE27</i> | -0.2426955 | 9.35E-06 | 0.09940961 |
| <i>EXPH5</i> | -0.2427737 | 9.29E-06 | 0.0987516 |
| <i>CCDC106</i> | -0.2427981 | 9.27E-06 | 0.09856013 |
| <i>HMGCS2</i> | -0.2428086 | 9.26E-06 | 0.09847912 |
| <i>TADA3</i> | -0.2429792 | 9.13E-06 | 0.09703084 |
| <i>FOXJ3</i> | -0.2430071 | 9.10E-06 | 0.0968034 |
| <i>PDPK1</i> | -0.2430097 | 9.10E-06 | 0.09679032 |
| <i>GRIK4</i> | -0.2430809 | 9.04E-06 | 0.09621665 |

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| <i>FLG</i> | -0.2432673 | 8.90E-06 | 0.09471328 |
| <i>NAGPA</i> | -0.2432729 | 8.89E-06 | 0.09467641 |
| <i>CAV2</i> | -0.24328 | 8.89E-06 | 0.09462638 |
| <i>HLA-B</i> | -0.2432929 | 8.88E-06 | 0.0945279 |
| <i>CFC1B</i> | -0.2433249 | 8.85E-06 | 0.0942814 |
| <i>RALGPS2</i> | -0.2433276 | 8.85E-06 | 0.09427223 |
| <i>ITIH1</i> | -0.2433282 | 8.85E-06 | 0.09427223 |
| <i>ABCD1</i> | -0.2434016 | 8.79E-06 | 0.09368545 |
| <i>CRTC3</i> | -0.2435609 | 8.67E-06 | 0.09241286 |
| <i>DISC1</i> | -0.2436571 | 8.60E-06 | 0.09164549 |
| <i>CMYA5</i> | -0.2437924 | 8.50E-06 | 0.09058962 |
| <i>BMPER</i> | -0.2438029 | 8.49E-06 | 0.09051465 |
| <i>CCDC36</i> | -0.2438225 | 8.48E-06 | 0.09037641 |
| <i>RBMS2</i> | -0.2438248 | 8.47E-06 | 0.09036648 |
| <i>PCGF5</i> | -0.2438525 | 8.45E-06 | 0.09015602 |
| <i>C10orf50</i> | -0.2438973 | 8.42E-06 | 0.0898105 |
| <i>UNC45B</i> | -0.2439249 | 8.40E-06 | 0.08960134 |
| <i>KIR3DL1</i> | -0.2439471 | 8.38E-06 | 0.08943552 |
| <i>LRRC3</i> | -0.2440295 | 8.32E-06 | 0.08879897 |
| <i>SALL1</i> | -0.2440322 | 8.32E-06 | 0.08878614 |
| <i>CALD1</i> | -0.2440619 | 8.30E-06 | 0.08856296 |
| <i>F8A1</i> | -0.2440638 | 8.30E-06 | 0.08855697 |
| <i>KAT5</i> | -0.2440725 | 8.29E-06 | 0.08849699 |
| <i>C10orf12</i> | -0.2440982 | 8.27E-06 | 0.08832241 |
| <i>FAM3D</i> | -0.2443774 | 8.07E-06 | 0.08620549 |
| <i>FLJ10357</i> | -0.2443948 | 8.06E-06 | 0.08608166 |
| <i>ABCG8</i> | -0.2444986 | 7.99E-06 | 0.08532336 |
| <i>SDC3</i> | -0.2446421 | 7.89E-06 | 0.08428338 |
| <i>ALDH16A1</i> | -0.2449494 | 7.68E-06 | 0.08207833 |
| <i>SLC39A7</i> | -0.2450502 | 7.61E-06 | 0.08135954 |
| <i>SLC35E1</i> | -0.2450546 | 7.60E-06 | 0.0813353 |
| <i>C6orf176</i> | -0.2450565 | 7.60E-06 | 0.08132977 |
| <i>ENAM</i> | -0.2450711 | 7.59E-06 | 0.08124001 |
| <i>RC3H1</i> | -0.2453399 | 7.42E-06 | 0.07939443 |
| <i>TPH2</i> | -0.2453634 | 7.40E-06 | 0.0792371 |
| <i>CDK9</i> | -0.2453974 | 7.38E-06 | 0.07900714 |
| <i>PIK3CA</i> | -0.2454622 | 7.34E-06 | 0.07857094 |
| <i>C17orf88</i> | -0.2454909 | 7.32E-06 | 0.07837866 |
| <i>HES2</i> | -0.2455304 | 7.29E-06 | 0.07812051 |
| <i>TRIL</i> | -0.2455588 | 7.27E-06 | 0.07793173 |
| <i>ACOT1</i> | -0.2455761 | 7.26E-06 | 0.07782019 |
| <i>ANAPC2</i> | -0.2456465 | 7.22E-06 | 0.07735127 |
| <i>CNTROB</i> | -0.2457063 | 7.18E-06 | 0.07695067 |
| <i>CDK11B</i> | -0.2457177 | 7.17E-06 | 0.07688775 |
| <i>ARMC4</i> | -0.245756 | 7.15E-06 | 0.07663422 |
| <i>BACH1</i> | -0.2458517 | 7.09E-06 | 0.07599571 |
| <i>FLJ23867</i> | -0.2459156 | 7.05E-06 | 0.07558085 |
| <i>RAB18</i> | -0.2459433 | 7.03E-06 | 0.07540239 |
| <i>NEK7</i> | -0.2459518 | 7.03E-06 | 0.07535294 |
| <i>NECAP2</i> | -0.2460212 | 6.98E-06 | 0.07489846 |
| <i>DBH</i> | -0.2460935 | 6.94E-06 | 0.07444071 |

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| <i>CACNA1C</i> | -0.2461457 | 6.91E-06 | 0.07410419 |
| <i>ERO1LB</i> | -0.2462074 | 6.87E-06 | 0.07371377 |
| <i>SERPINA11</i> | -0.246211 | 6.87E-06 | 0.0736984 |
| <i>CYP4F12</i> | -0.2462192 | 6.86E-06 | 0.07365744 |
| <i>PCDH19</i> | -0.2462204 | 6.86E-06 | 0.07365645 |
| <i>ZNF662</i> | -0.246431 | 6.73E-06 | 0.07231345 |
| <i>AZI2</i> | -0.2465463 | 6.66E-06 | 0.07160385 |
| <i>TSG1</i> | -0.2465698 | 6.65E-06 | 0.07146809 |
| <i>SLC35E2</i> | -0.2465734 | 6.65E-06 | 0.07145226 |
| <i>BEST1</i> | -0.2465772 | 6.65E-06 | 0.07143431 |
| <i>SELS</i> | -0.2466817 | 6.58E-06 | 0.07078112 |
| <i>KHDC1</i> | -0.2467481 | 6.55E-06 | 0.07038501 |
| <i>FBLL1</i> | -0.2467646 | 6.54E-06 | 0.07028823 |
| <i>ODZ3</i> | -0.2468211 | 6.50E-06 | 0.06994892 |
| <i>NAPA</i> | -0.2468648 | 6.48E-06 | 0.06968422 |
| <i>MAML2</i> | -0.2468981 | 6.46E-06 | 0.06949167 |
| <i>CDK5R2</i> | -0.2470048 | 6.40E-06 | 0.06884826 |
| <i>ZNRF1</i> | -0.2470515 | 6.37E-06 | 0.06857547 |
| <i>LOC157381</i> | -0.2471047 | 6.34E-06 | 0.0682678 |
| <i>9-Sep</i> | -0.2471141 | 6.34E-06 | 0.06821978 |
| <i>TEKT2</i> | -0.2471268 | 6.33E-06 | 0.06815521 |
| <i>EXOC3</i> | -0.2471544 | 6.31E-06 | 0.06800685 |
| <i>LONRF3</i> | -0.2471736 | 6.30E-06 | 0.06789714 |
| <i>CHRNA4</i> | -0.2472279 | 6.27E-06 | 0.06758885 |
| <i>PTGER1</i> | -0.2472354 | 6.27E-06 | 0.06755624 |
| <i>NOTCH2NL</i> | -0.2472988 | 6.23E-06 | 0.06718207 |
| <i>TNKS</i> | -0.247329 | 6.22E-06 | 0.0670079 |
| <i>C18orf55</i> | -0.247408 | 6.17E-06 | 0.06655628 |
| <i>PCK2</i> | -0.2474236 | 6.16E-06 | 0.06646997 |
| <i>PCDHGA2</i> | -0.24759 | 6.07E-06 | 0.0655156 |
| <i>C1orf192</i> | -0.247595 | 6.07E-06 | 0.06549251 |
| <i>LILRB3</i> | -0.2476246 | 6.05E-06 | 0.06532599 |
| <i>B9D2</i> | -0.2476535 | 6.04E-06 | 0.06517018 |
| <i>RBM43</i> | -0.247715 | 6.01E-06 | 0.06482554 |
| <i>ADAR</i> | -0.2477219 | 6.00E-06 | 0.06479544 |
| <i>LRRC19</i> | -0.2477871 | 5.97E-06 | 0.06443372 |
| <i>SLC27A2</i> | -0.2478201 | 5.95E-06 | 0.06425614 |
| <i>PPM1E</i> | -0.2478812 | 5.92E-06 | 0.06391825 |
| <i>ACOXL</i> | -0.2479245 | 5.89E-06 | 0.06367771 |
| <i>ZNF652</i> | -0.2479283 | 5.89E-06 | 0.06366188 |
| <i>DYM</i> | -0.2480383 | 5.84E-06 | 0.06305718 |
| <i>HDLBP</i> | -0.2480686 | 5.82E-06 | 0.06289229 |
| <i>GZMH</i> | -0.2481423 | 5.78E-06 | 0.06249149 |
| <i>WNT5B</i> | -0.2481457 | 5.78E-06 | 0.06247824 |
| <i>SOHLH2</i> | -0.2481493 | 5.78E-06 | 0.06246565 |
| <i>ROS1</i> | -0.24815 | 5.78E-06 | 0.06246565 |
| <i>PCDHA6</i> | -0.248204 | 5.75E-06 | 0.06217037 |
| <i>SSBP3</i> | -0.2482545 | 5.72E-06 | 0.06189629 |
| <i>SFRS5</i> | -0.2482736 | 5.71E-06 | 0.06179633 |
| <i>GPRASP2</i> | -0.2482889 | 5.71E-06 | 0.06172793 |
| <i>SERTAD3</i> | -0.2482891 | 5.71E-06 | 0.06172793 |

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| <i>ZNF213</i> | -0.2484678 | 5.62E-06 | 0.06076363 |
| <i>SEC31A</i> | -0.2484682 | 5.62E-06 | 0.06076363 |
| <i>PPP2R5E</i> | -0.2485356 | 5.58E-06 | 0.06040922 |
| <i>NXPH3</i> | -0.2485639 | 5.57E-06 | 0.06026751 |
| <i>FAM184A</i> | -0.2485842 | 5.56E-06 | 0.06016904 |
| <i>ZNF808</i> | -0.2486619 | 5.52E-06 | 0.05976845 |
| <i>NDUFV2</i> | -0.2486698 | 5.51E-06 | 0.05973173 |
| <i>C10orf25</i> | -0.2487333 | 5.48E-06 | 0.05940375 |
| <i>GLOD4</i> | -0.2488244 | 5.44E-06 | 0.05892654 |
| <i>DAPP1</i> | -0.2488582 | 5.42E-06 | 0.05875879 |
| <i>DHRS4L1</i> | -0.2488754 | 5.41E-06 | 0.05867376 |
| <i>HTR2A</i> | -0.2488816 | 5.41E-06 | 0.05864654 |
| <i>OTC</i> | -0.2489438 | 5.38E-06 | 0.05833125 |
| <i>C17orf28</i> | -0.2489952 | 5.36E-06 | 0.05806853 |
| <i>AZU1</i> | -0.249044 | 5.33E-06 | 0.05784113 |
| <i>KLHL28</i> | -0.2490654 | 5.32E-06 | 0.05773583 |
| <i>AMAC1L2</i> | -0.2491233 | 5.30E-06 | 0.05744704 |
| <i>TRIP12</i> | -0.2491326 | 5.29E-06 | 0.05740467 |
| <i>MAP9</i> | -0.2491785 | 5.27E-06 | 0.05717383 |
| <i>ZNF438</i> | -0.2492282 | 5.25E-06 | 0.05693355 |
| <i>C9orf131</i> | -0.2492285 | 5.25E-06 | 0.05693355 |
| <i>FLJ43390</i> | -0.2492481 | 5.24E-06 | 0.05683843 |
| <i>RFTN1</i> | -0.2493118 | 5.21E-06 | 0.05652971 |
| <i>CEP192</i> | -0.2493175 | 5.20E-06 | 0.05650646 |
| <i>FNDC5</i> | -0.2493485 | 5.19E-06 | 0.05635434 |
| <i>ART1</i> | -0.2493807 | 5.17E-06 | 0.05619688 |
| <i>CELA3A</i> | -0.2494475 | 5.14E-06 | 0.05587051 |
| <i>PCDHA13</i> | -0.2494522 | 5.14E-06 | 0.05585214 |
| <i>TMTC2</i> | -0.2495027 | 5.12E-06 | 0.05560418 |
| <i>CCK</i> | -0.2495089 | 5.11E-06 | 0.05557872 |
| <i>CACNG5</i> | -0.2495588 | 5.09E-06 | 0.05534011 |
| <i>CELF2</i> | -0.2496644 | 5.04E-06 | 0.05484694 |
| <i>SORBS2</i> | -0.2497602 | 5.00E-06 | 0.05438668 |
| <i>AKT1</i> | -0.2497784 | 4.99E-06 | 0.05430768 |
| <i>DYNC1I1</i> | -0.2498869 | 4.94E-06 | 0.05379454 |
| <i>SLC40A1</i> | -0.2500562 | 4.87E-06 | 0.05299015 |
| <i>SLC16A9</i> | -0.2500873 | 4.86E-06 | 0.05284661 |
| <i>WDR49</i> | -0.2502029 | 4.81E-06 | 0.05230862 |
| <i>MYOF</i> | -0.2503024 | 4.76E-06 | 0.05185394 |
| <i>PRRT4</i> | -0.250324 | 4.75E-06 | 0.05175946 |
| <i>ZNF710</i> | -0.2503303 | 4.75E-06 | 0.05173492 |
| <i>C4orf29</i> | -0.25034 | 4.75E-06 | 0.05169449 |
| <i>RENBP</i> | -0.2504014 | 4.72E-06 | 0.05141823 |
| <i>NECAP1</i> | -0.250514 | 4.67E-06 | 0.05091719 |
| <i>IRF9</i> | -0.250535 | 4.66E-06 | 0.05082526 |
| <i>IGSF5</i> | -0.2506809 | 4.60E-06 | 0.05016458 |
| <i>COLEC11</i> | -0.2506924 | 4.60E-06 | 0.050117 |
| <i>FAM117A</i> | -0.2506981 | 4.60E-06 | 0.05009594 |
| <i>RAMP3</i> | -0.250702 | 4.59E-06 | 0.05008284 |
| <i>PDE8B</i> | -0.2507123 | 4.59E-06 | 0.05004528 |
| <i>LOC284441</i> | -0.2508169 | 4.55E-06 | 0.04958815 |

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| <i>KCND2</i> | -0.2508667 | 4.53E-06 | 0.04937119 |
| <i>MAP2K6</i> | -0.2508675 | 4.53E-06 | 0.04937119 |
| <i>RGS1</i> | -0.2509254 | 4.50E-06 | 0.04911781 |
| <i>TIMM22</i> | -0.2509296 | 4.50E-06 | 0.04910371 |
| <i>PYROXD2</i> | -0.2509647 | 4.49E-06 | 0.0489523 |
| <i>ZDHHC21</i> | -0.2510385 | 4.46E-06 | 0.04863562 |
| <i>GGCX</i> | -0.2510703 | 4.44E-06 | 0.04850022 |
| <i>FMOD</i> | -0.251081 | 4.44E-06 | 0.04845772 |
| <i>KLHL30</i> | -0.2510927 | 4.43E-06 | 0.048419 |
| <i>OMP</i> | -0.2510929 | 4.43E-06 | 0.048419 |
| <i>HPR</i> | -0.2511146 | 4.43E-06 | 0.04833288 |
| <i>C9orf139</i> | -0.2511479 | 4.41E-06 | 0.0481921 |
| <i>SLC2A10</i> | -0.2512143 | 4.39E-06 | 0.0479117 |
| <i>SLC45A1</i> | -0.2512453 | 4.37E-06 | 0.04778194 |
| <i>SEC24C</i> | -0.2512555 | 4.37E-06 | 0.04774203 |
| <i>RPGRIP1</i> | -0.2512627 | 4.37E-06 | 0.04771556 |
| <i>ZBTB32</i> | -0.2513836 | 4.32E-06 | 0.04721323 |
| <i>FAM167A</i> | -0.251385 | 4.32E-06 | 0.0472116 |
| <i>?57714</i> | -0.251424 | 4.30E-06 | 0.04705333 |
| <i>ECHDC2</i> | -0.2514294 | 4.30E-06 | 0.04703491 |
| <i>INSC</i> | -0.2514502 | 4.29E-06 | 0.04695461 |
| <i>C11orf53</i> | -0.2514925 | 4.28E-06 | 0.04677953 |
| <i>SCG5</i> | -0.2516229 | 4.23E-06 | 0.04623386 |
| <i>GPR21</i> | -0.2516373 | 4.22E-06 | 0.0461778 |
| <i>LATS2</i> | -0.2516465 | 4.22E-06 | 0.04614324 |
| <i>DERL2</i> | -0.2516481 | 4.22E-06 | 0.04614093 |
| <i>SH3BGRL</i> | -0.2517346 | 4.18E-06 | 0.0457926 |
| <i>PADI4</i> | -0.2518466 | 4.14E-06 | 0.04533363 |
| <i>RAB2B</i> | -0.2518553 | 4.14E-06 | 0.04530216 |
| <i>GAA</i> | -0.2519469 | 4.10E-06 | 0.04494735 |
| <i>GJD3</i> | -0.252127 | 4.04E-06 | 0.04422593 |
| <i>TMEM45A</i> | -0.2521453 | 4.03E-06 | 0.04415641 |
| <i>CR1L</i> | -0.2523102 | 3.97E-06 | 0.04352746 |
| <i>SEC24B</i> | -0.2523573 | 3.95E-06 | 0.04334926 |
| <i>CCDC48</i> | -0.2523725 | 3.95E-06 | 0.04329319 |
| <i>RGPD3</i> | -0.2524129 | 3.93E-06 | 0.04313818 |
| <i>VAMP8</i> | -0.2525332 | 3.89E-06 | 0.04267247 |
| <i>SAG</i> | -0.2525762 | 3.88E-06 | 0.04250952 |
| <i>C21orf131</i> | -0.2527156 | 3.83E-06 | 0.04197712 |
| <i>TMEM86A</i> | -0.2527187 | 3.83E-06 | 0.04196903 |
| <i>C1orf228</i> | -0.2527401 | 3.82E-06 | 0.0418948 |
| <i>GALNT8</i> | -0.2527619 | 3.81E-06 | 0.04181957 |
| <i>FAM177A1</i> | -0.2528153 | 3.79E-06 | 0.04162022 |
| <i>C3orf66</i> | -0.2528228 | 3.79E-06 | 0.04159548 |
| <i>TMEM120A</i> | -0.2528484 | 3.78E-06 | 0.0415025 |
| <i>C14orf39</i> | -0.2528627 | 3.78E-06 | 0.04145197 |
| <i>psiTPTE22</i> | -0.2528865 | 3.77E-06 | 0.04136959 |
| <i>INMT</i> | -0.2529223 | 3.76E-06 | 0.0412386 |
| <i>CHMP2A</i> | -0.2529247 | 3.75E-06 | 0.04123347 |
| <i>PLEKHG1</i> | -0.2529989 | 3.73E-06 | 0.0409626 |
| <i>LOC729082</i> | -0.2531056 | 3.69E-06 | 0.0405806 |

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| <i>SLC46A1</i> | -0.2531637 | 3.67E-06 | 0.04036972 |
| <i>RAMP1</i> | -0.2531769 | 3.67E-06 | 0.04032489 |
| <i>LILRA6</i> | -0.2531866 | 3.67E-06 | 0.04029287 |
| <i>KLRC4</i> | -0.2532148 | 3.66E-06 | 0.04019282 |
| <i>OSTN</i> | -0.2532704 | 3.64E-06 | 0.039993 |
| <i>HSPC159</i> | -0.2533117 | 3.62E-06 | 0.03984946 |
| <i>RGS10</i> | -0.2533761 | 3.60E-06 | 0.03962638 |
| <i>WIPF3</i> | -0.2533762 | 3.60E-06 | 0.03962638 |
| <i>CIRBP</i> | -0.2534235 | 3.59E-06 | 0.03946266 |
| <i>KLRAQ1</i> | -0.2534347 | 3.58E-06 | 0.03942598 |
| <i>VGLL3</i> | -0.2534661 | 3.57E-06 | 0.03931658 |
| <i>TMED7</i> | -0.2535067 | 3.56E-06 | 0.0391779 |
| <i>JKAMP</i> | -0.2536557 | 3.51E-06 | 0.03865818 |
| <i>CD109</i> | -0.2536729 | 3.51E-06 | 0.03860447 |
| <i>RASEF</i> | -0.2536757 | 3.51E-06 | 0.03859806 |
| <i>MAP3K15</i> | -0.2536877 | 3.50E-06 | 0.03855931 |
| <i>YPEL3</i> | -0.253702 | 3.50E-06 | 0.03851599 |
| <i>CARD9</i> | -0.2537228 | 3.49E-06 | 0.03844615 |
| <i>UNC13A</i> | -0.2537609 | 3.48E-06 | 0.0383159 |
| <i>SORBS1</i> | -0.2538209 | 3.46E-06 | 0.03810962 |
| <i>RRAGD</i> | -0.2539372 | 3.42E-06 | 0.03771614 |
| <i>MAPK1IP1L</i> | -0.2539407 | 3.42E-06 | 0.03770765 |
| <i>EZH1</i> | -0.2539597 | 3.42E-06 | 0.03764543 |
| <i>LRRC31</i> | -0.2540173 | 3.40E-06 | 0.03746089 |
| <i>LOC388387</i> | -0.2540484 | 3.39E-06 | 0.03736101 |
| <i>BSN</i> | -0.2540604 | 3.38E-06 | 0.03732675 |
| <i>PAFAH1B2</i> | -0.254109 | 3.37E-06 | 0.03716526 |
| <i>CASC4</i> | -0.2542454 | 3.33E-06 | 0.03671247 |
| <i>NCF2</i> | -0.2542582 | 3.32E-06 | 0.03667289 |
| <i>MAGEB4</i> | -0.2542695 | 3.32E-06 | 0.03663805 |
| <i>IFT122</i> | -0.2544193 | 3.27E-06 | 0.03615108 |
| <i>AHNAK2</i> | -0.2544579 | 3.26E-06 | 0.03602664 |
| <i>SDHB</i> | -0.25449 | 3.25E-06 | 0.03593039 |
| <i>SPOPL</i> | -0.2545083 | 3.25E-06 | 0.03587336 |
| <i>LOC283070</i> | -0.254635 | 3.21E-06 | 0.03547121 |
| <i>LRRC28</i> | -0.2546533 | 3.20E-06 | 0.03541819 |
| <i>IRF1</i> | -0.2546764 | 3.20E-06 | 0.03534621 |
| <i>SLC17A1</i> | -0.2547185 | 3.19E-06 | 0.03521297 |
| <i>FRAS1</i> | -0.2547723 | 3.17E-06 | 0.0350427 |
| <i>KRT2</i> | -0.2547814 | 3.17E-06 | 0.03501643 |
| <i>FAT4</i> | -0.2548846 | 3.14E-06 | 0.03468901 |
| <i>HADH</i> | -0.254932 | 3.12E-06 | 0.03454138 |
| <i>CEACAM22P</i> | -0.2549893 | 3.11E-06 | 0.03436285 |
| <i>C9orf47</i> | -0.2549937 | 3.11E-06 | 0.03435189 |
| <i>SP140L</i> | -0.2550005 | 3.10E-06 | 0.03433362 |
| <i>ZNF837</i> | -0.2550897 | 3.08E-06 | 0.0340622 |
| <i>CRIPAK</i> | -0.2551216 | 3.07E-06 | 0.0339717 |
| <i>TMPRSS9</i> | -0.255125 | 3.07E-06 | 0.03396726 |
| <i>OR2A9P</i> | -0.2551364 | 3.07E-06 | 0.03393459 |
| <i>CD164</i> | -0.2551636 | 3.06E-06 | 0.03385283 |
| <i>COX5A</i> | -0.2551801 | 3.05E-06 | 0.03380756 |

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| <i>KIF16B</i> | -0.2552381 | 3.04E-06 | 0.03363651 |
| <i>IER5</i> | -0.255792 | 2.89E-06 | 0.03199113 |
| <i>CCDC47</i> | -0.2558199 | 2.88E-06 | 0.03191179 |
| <i>ZKSCAN3</i> | -0.2558982 | 2.86E-06 | 0.03168759 |
| <i>ROBO4</i> | -0.2559096 | 2.85E-06 | 0.0316574 |
| <i>ANKDD1A</i> | -0.2559732 | 2.84E-06 | 0.03147744 |
| <i>UQCRC2</i> | -0.2559784 | 2.84E-06 | 0.03146522 |
| <i>GPR125</i> | -0.2560026 | 2.83E-06 | 0.0313979 |
| <i>NLRP12</i> | -0.2560542 | 2.82E-06 | 0.03125425 |
| <i>ZBTB40</i> | -0.2560983 | 2.81E-06 | 0.03113283 |
| <i>PCYOX1</i> | -0.2561519 | 2.79E-06 | 0.0309874 |
| <i>PRDM16</i> | -0.2562237 | 2.77E-06 | 0.03079066 |
| <i>PARP3</i> | -0.2562276 | 2.77E-06 | 0.03078216 |
| <i>PFKFB2</i> | -0.2562339 | 2.77E-06 | 0.03076713 |
| <i>KIFAP3</i> | -0.2562655 | 2.76E-06 | 0.03068016 |
| <i>TAC3</i> | -0.2562877 | 2.76E-06 | 0.03062006 |
| <i>OR3A2</i> | -0.2562917 | 2.76E-06 | 0.03061133 |
| <i>BIRC2</i> | -0.2563535 | 2.74E-06 | 0.03044228 |
| <i>SLC29A4</i> | -0.2563708 | 2.74E-06 | 0.03039634 |
| <i>IVD</i> | -0.2564165 | 2.72E-06 | 0.03027642 |
| <i>SLC9A6</i> | -0.2564485 | 2.72E-06 | 0.03018957 |
| <i>IL1RAPL2</i> | -0.2565402 | 2.69E-06 | 0.02993712 |
| <i>CKB</i> | -0.2566158 | 2.67E-06 | 0.02974452 |
| <i>TNFAIP2</i> | -0.2566331 | 2.67E-06 | 0.0296995 |
| <i>ZNF804B</i> | -0.2566635 | 2.66E-06 | 0.02961865 |
| <i>EPB41L4B</i> | -0.256717 | 2.65E-06 | 0.02947499 |
| <i>ZIC1</i> | -0.2567302 | 2.65E-06 | 0.02944154 |
| <i>SLC38A4</i> | -0.2567418 | 2.64E-06 | 0.02941526 |
| <i>WIPI1</i> | -0.2567732 | 2.64E-06 | 0.02933223 |
| <i>HSF5</i> | -0.2569626 | 2.59E-06 | 0.02883738 |
| <i>CDK20</i> | -0.2570781 | 2.56E-06 | 0.02853789 |
| <i>GHITM</i> | -0.2570826 | 2.56E-06 | 0.02852852 |
| <i>RALB</i> | -0.2571762 | 2.54E-06 | 0.0282842 |
| <i>CD5L</i> | -0.2572529 | 2.52E-06 | 0.02808858 |
| <i>LILRA5</i> | -0.2573673 | 2.49E-06 | 0.02779425 |
| <i>BCL3</i> | -0.2574524 | 2.47E-06 | 0.02758044 |
| <i>CHST11</i> | -0.2575201 | 2.46E-06 | 0.02740996 |
| <i>ZNF641</i> | -0.2575826 | 2.44E-06 | 0.02725608 |
| <i>CCDC89</i> | -0.2575867 | 2.44E-06 | 0.02724794 |
| <i>CORT</i> | -0.2576776 | 2.42E-06 | 0.02702353 |
| <i>AGTR2</i> | -0.2576812 | 2.42E-06 | 0.02701683 |
| <i>HAS1</i> | -0.2576876 | 2.42E-06 | 0.02700325 |
| <i>GNLY</i> | -0.2577013 | 2.42E-06 | 0.02697133 |
| <i>ZNF483</i> | -0.2577098 | 2.42E-06 | 0.02695231 |
| <i>HBZ</i> | -0.2577706 | 2.40E-06 | 0.02680281 |
| <i>RXFP1</i> | -0.2578155 | 2.39E-06 | 0.0266935 |
| <i>EMX1</i> | -0.2578399 | 2.39E-06 | 0.02663607 |
| <i>HSD17B13</i> | -0.2578671 | 2.38E-06 | 0.02657254 |
| <i>REST</i> | -0.2580129 | 2.35E-06 | 0.02622604 |
| <i>ZNF684</i> | -0.2581296 | 2.32E-06 | 0.0259471 |
| <i>CARD10</i> | -0.2582136 | 2.31E-06 | 0.02575179 |

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| <i>DCC</i> | -0.2582732 | 2.29E-06 | 0.02561134 |
| <i>SERPINA1</i> | -0.2583069 | 2.29E-06 | 0.02553336 |
| <i>PIGG</i> | -0.2583751 | 2.27E-06 | 0.02537359 |
| <i>KRT8</i> | -0.2584721 | 2.25E-06 | 0.02514734 |
| <i>MLL5</i> | -0.2584874 | 2.25E-06 | 0.02511364 |
| <i>FAM18B</i> | -0.2584992 | 2.24E-06 | 0.02508842 |
| <i>NCSTN</i> | -0.2585226 | 2.24E-06 | 0.0250359 |
| <i>HSPB3</i> | -0.2585279 | 2.24E-06 | 0.02502566 |
| <i>EXOC8</i> | -0.2585441 | 2.24E-06 | 0.02499012 |
| <i>C3orf57</i> | -0.2585819 | 2.23E-06 | 0.02490434 |
| <i>SLC25A35</i> | -0.2586264 | 2.22E-06 | 0.02480322 |
| <i>THSD4</i> | -0.2587446 | 2.19E-06 | 0.02453543 |
| <i>SIRPD</i> | -0.2588353 | 2.18E-06 | 0.02433476 |
| <i>GBP5</i> | -0.2588526 | 2.17E-06 | 0.02429762 |
| <i>SEC11C</i> | -0.2588629 | 2.17E-06 | 0.02427642 |
| <i>UFSP2</i> | -0.2588957 | 2.16E-06 | 0.02420659 |
| <i>GNRH1</i> | -0.2590002 | 2.14E-06 | 0.0239754 |
| <i>TACC1</i> | -0.2590479 | 2.13E-06 | 0.02387303 |
| <i>FGFBP1</i> | -0.2591166 | 2.12E-06 | 0.02372218 |
| <i>RAPGEF6</i> | -0.2592108 | 2.10E-06 | 0.02352028 |
| <i>CCDC8</i> | -0.2592935 | 2.08E-06 | 0.02334509 |
| <i>LRTOMT</i> | -0.2593653 | 2.07E-06 | 0.02319083 |
| <i>DAPK3</i> | -0.2593711 | 2.07E-06 | 0.02318027 |
| <i>C5AR1</i> | -0.2593918 | 2.07E-06 | 0.02313746 |
| <i>SYT17</i> | -0.2594143 | 2.06E-06 | 0.02309282 |
| <i>A4GALT</i> | -0.2594467 | 2.05E-06 | 0.02302695 |
| <i>GGT6</i> | -0.2594709 | 2.05E-06 | 0.02297888 |
| <i>RNF111</i> | -0.2595409 | 2.04E-06 | 0.0228389 |
| <i>CLCN6</i> | -0.2595906 | 2.03E-06 | 0.02273875 |
| <i>PIK3AP1</i> | -0.2596425 | 2.02E-06 | 0.02263253 |
| <i>VAMP1</i> | -0.2596442 | 2.02E-06 | 0.02263076 |
| <i>TRIM63</i> | -0.2596707 | 2.01E-06 | 0.02258077 |
| <i>CNTN6</i> | -0.2597307 | 2.00E-06 | 0.02245791 |
| <i>SLC22A4</i> | -0.2599348 | 1.96E-06 | 0.0220438 |
| <i>SNX2</i> | -0.2599409 | 1.96E-06 | 0.02203303 |
| <i>RNASE4</i> | -0.2600787 | 1.94E-06 | 0.02175568 |
| <i>TWF2</i> | -0.260109 | 1.93E-06 | 0.0216957 |
| <i>MAP2K5</i> | -0.2602028 | 1.91E-06 | 0.02150727 |
| <i>USP22</i> | -0.2602397 | 1.91E-06 | 0.0214347 |
| <i>HLA-F</i> | -0.2602432 | 1.91E-06 | 0.02142962 |
| <i>TMEM45B</i> | -0.2602633 | 1.90E-06 | 0.02139291 |
| <i>KCTD10</i> | -0.2602942 | 1.90E-06 | 0.02133272 |
| <i>PPFIA1</i> | -0.2603222 | 1.89E-06 | 0.0212785 |
| <i>PPP1R12A</i> | -0.2603959 | 1.88E-06 | 0.0211335 |
| <i>C6orf174</i> | -0.2604365 | 1.87E-06 | 0.02105473 |
| <i>BPNT1</i> | -0.2604836 | 1.86E-06 | 0.02096362 |
| <i>THEM5</i> | -0.2604913 | 1.86E-06 | 0.02095016 |
| <i>GBP4</i> | -0.2605012 | 1.86E-06 | 0.0209326 |
| <i>TMEM121</i> | -0.2605104 | 1.86E-06 | 0.02091636 |
| <i>PKN2</i> | -0.2606081 | 1.84E-06 | 0.02072855 |
| <i>C8orf79</i> | -0.2606377 | 1.84E-06 | 0.02067267 |

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| <i>TMC8</i> | -0.2606596 | 1.83E-06 | 0.02063378 |
| <i>RGS19</i> | -0.2606852 | 1.83E-06 | 0.02058597 |
| <i>QRFP</i> | -0.2607065 | 1.83E-06 | 0.02054659 |
| <i>PNRC1</i> | -0.2607203 | 1.82E-06 | 0.02052164 |
| <i>C1orf175</i> | -0.260768 | 1.81E-06 | 0.02043145 |
| <i>SLFN14</i> | -0.2608534 | 1.80E-06 | 0.02027133 |
| <i>PFN1</i> | -0.2608571 | 1.80E-06 | 0.02026755 |
| <i>FFAR2</i> | -0.2608579 | 1.80E-06 | 0.02026755 |
| <i>IP6K3</i> | -0.2608582 | 1.80E-06 | 0.02026755 |
| <i>PCDHGA7</i> | -0.2609594 | 1.78E-06 | 0.02007699 |
| <i>PTGER3</i> | -0.2610435 | 1.77E-06 | 0.01992367 |
| <i>TPK1</i> | -0.261077 | 1.76E-06 | 0.01986617 |
| <i>ART4</i> | -0.2611667 | 1.75E-06 | 0.01970235 |
| <i>C6orf27</i> | -0.2611952 | 1.74E-06 | 0.01965112 |
| <i>ST8SIA5</i> | -0.2612767 | 1.73E-06 | 0.01950399 |
| <i>ASH1L</i> | -0.261278 | 1.73E-06 | 0.01950329 |
| <i>BCO2</i> | -0.2614174 | 1.71E-06 | 0.01924993 |
| <i>ARL5C</i> | -0.2614496 | 1.70E-06 | 0.01919322 |
| <i>PLEKHA6</i> | -0.2614509 | 1.70E-06 | 0.01919253 |
| <i>CSRNP3</i> | -0.2614826 | 1.70E-06 | 0.01913691 |
| <i>TRIM35</i> | -0.2615794 | 1.68E-06 | 0.01896599 |
| <i>C9orf102</i> | -0.2616055 | 1.68E-06 | 0.01892265 |
| <i>DUSP19</i> | -0.2616649 | 1.67E-06 | 0.01881992 |
| <i>SPESP1</i> | -0.2618937 | 1.63E-06 | 0.01842845 |
| <i>ASPHD2</i> | -0.2619022 | 1.63E-06 | 0.01841524 |
| <i>EMX2OS</i> | -0.2619174 | 1.63E-06 | 0.01839055 |
| <i>SELM</i> | -0.2620372 | 1.61E-06 | 0.01818795 |
| <i>DOK4</i> | -0.2620705 | 1.60E-06 | 0.01813231 |
| <i>NLRP2</i> | -0.2621527 | 1.59E-06 | 0.01799319 |
| <i>MS4A3</i> | -0.2621578 | 1.59E-06 | 0.01798608 |
| <i>TSHB</i> | -0.2621917 | 1.59E-06 | 0.01793006 |
| <i>ZNF689</i> | -0.2622341 | 1.58E-06 | 0.01786132 |
| <i>PXK</i> | -0.2622404 | 1.58E-06 | 0.01785222 |
| <i>POLR3GL</i> | -0.2624079 | 1.55E-06 | 0.01757409 |
| <i>NUCB2</i> | -0.2624238 | 1.55E-06 | 0.01755067 |
| <i>ITIH3</i> | -0.2627012 | 1.51E-06 | 0.01710087 |
| <i>TLE6</i> | -0.2628793 | 1.49E-06 | 0.01681986 |
| <i>ZNF827</i> | -0.262888 | 1.48E-06 | 0.01680745 |
| <i>C1S</i> | -0.2629467 | 1.48E-06 | 0.0167169 |
| <i>MAP2K2</i> | -0.2630722 | 1.46E-06 | 0.01652299 |
| <i>HSPA1L</i> | -0.2630987 | 1.46E-06 | 0.01648291 |
| <i>DHRS4L2</i> | -0.2631078 | 1.45E-06 | 0.01647014 |
| <i>PRR5L</i> | -0.2631111 | 1.45E-06 | 0.01646653 |
| <i>FOS</i> | -0.2632046 | 1.44E-06 | 0.01632209 |
| <i>PRDM2</i> | -0.2632536 | 1.43E-06 | 0.01624895 |
| <i>POLG</i> | -0.2632577 | 1.43E-06 | 0.01624403 |
| <i>ACTN2</i> | -0.2632649 | 1.43E-06 | 0.01623445 |
| <i>TEPP</i> | -0.2632936 | 1.43E-06 | 0.01619288 |
| <i>SEC24D</i> | -0.2637439 | 1.37E-06 | 0.01552257 |
| <i>CRABP1</i> | -0.2637785 | 1.36E-06 | 0.01547411 |
| <i>DACT2</i> | -0.2638465 | 1.36E-06 | 0.01537823 |

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| <i>BCL9L</i> | -0.2640252 | 1.33E-06 | 0.01512613 |
| <i>HRH1</i> | -0.2640391 | 1.33E-06 | 0.0151075 |
| <i>PVRL3</i> | -0.2640753 | 1.33E-06 | 0.01505802 |
| <i>THBS1</i> | -0.2641048 | 1.32E-06 | 0.01501829 |
| <i>PTAR1</i> | -0.264183 | 1.31E-06 | 0.01490909 |
| <i>NDOR1</i> | -0.2641856 | 1.31E-06 | 0.01490674 |
| <i>DCAF6</i> | -0.2641915 | 1.31E-06 | 0.01489962 |
| <i>IQSEC1</i> | -0.2642031 | 1.31E-06 | 0.01488442 |
| <i>JUND</i> | -0.264264 | 1.30E-06 | 0.01479948 |
| <i>MACF1</i> | -0.2643275 | 1.29E-06 | 0.0147164 |
| <i>GAL3ST2</i> | -0.2643432 | 1.29E-06 | 0.01469556 |
| <i>GJA5</i> | -0.2643484 | 1.29E-06 | 0.01468962 |
| <i>CPNE2</i> | -0.2645401 | 1.27E-06 | 0.01442778 |
| <i>WFDC1</i> | -0.2645467 | 1.27E-06 | 0.01441993 |
| <i>SULT4A1</i> | -0.2646889 | 1.25E-06 | 0.01422757 |
| <i>C13orf33</i> | -0.2648014 | 1.24E-06 | 0.01407768 |
| <i>EMILIN2</i> | -0.2649233 | 1.22E-06 | 0.01391784 |
| <i>SCYL1</i> | -0.2649541 | 1.22E-06 | 0.01387927 |
| <i>COX8A</i> | -0.2649648 | 1.22E-06 | 0.01386635 |
| <i>FFAR3</i> | -0.2650255 | 1.21E-06 | 0.01378837 |
| <i>DLGAP1</i> | -0.2652066 | 1.19E-06 | 0.01355452 |
| <i>FZD8</i> | -0.265221 | 1.19E-06 | 0.01353705 |
| <i>CDYL2</i> | -0.2653438 | 1.17E-06 | 0.01338266 |
| <i>TTC24</i> | -0.2654133 | 1.17E-06 | 0.01329648 |
| <i>C1orf144</i> | -0.2654941 | 1.16E-06 | 0.01319602 |
| <i>MNT</i> | -0.265598 | 1.15E-06 | 0.01306847 |
| <i>MYL2</i> | -0.2658999 | 1.11E-06 | 0.01270239 |
| <i>CLCN3</i> | -0.2659474 | 1.11E-06 | 0.01264557 |
| <i>ATF2</i> | -0.2659516 | 1.11E-06 | 0.01264156 |
| <i>IRF7</i> | -0.2659701 | 1.11E-06 | 0.01262017 |
| <i>ADRA2B</i> | -0.2659975 | 1.10E-06 | 0.01258813 |
| <i>HERC5</i> | -0.2660609 | 1.10E-06 | 0.01251367 |
| <i>CCRN4L</i> | -0.266179 | 1.08E-06 | 0.01237437 |
| <i>LILRB4</i> | -0.266187 | 1.08E-06 | 0.01236594 |
| <i>UBAC1</i> | -0.2662265 | 1.08E-06 | 0.0123201 |
| <i>HIST1H2BD</i> | -0.2662448 | 1.08E-06 | 0.01230047 |
| <i>FLJ36777</i> | -0.266266 | 1.07E-06 | 0.01227647 |
| <i>C22orf39</i> | -0.2662894 | 1.07E-06 | 0.01225099 |
| <i>KRT12</i> | -0.2663903 | 1.06E-06 | 0.01213437 |
| <i>AAK1</i> | -0.2664622 | 1.05E-06 | 0.01205186 |
| <i>C10orf108</i> | -0.2664954 | 1.05E-06 | 0.01201546 |
| <i>C15orf52</i> | -0.2665005 | 1.05E-06 | 0.01201166 |
| <i>NAT8</i> | -0.2665071 | 1.05E-06 | 0.012005 |
| <i>MON1B</i> | -0.2665155 | 1.05E-06 | 0.01199631 |
| <i>KIAA0528</i> | -0.2665302 | 1.05E-06 | 0.01198037 |
| <i>DNAH9</i> | -0.2665338 | 1.05E-06 | 0.01197732 |
| <i>CTAGE1</i> | -0.2666108 | 1.04E-06 | 0.01188972 |
| <i>MCOLN2</i> | -0.2667817 | 1.02E-06 | 0.01169817 |
| <i>KLHL13</i> | -0.2667818 | 1.02E-06 | 0.01169817 |
| <i>BRSK1</i> | -0.2667888 | 1.02E-06 | 0.01169134 |
| <i>FBXW11</i> | -0.2667897 | 1.02E-06 | 0.01169134 |

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| <i>TTC36</i> | -0.2668242 | 1.02E-06 | 0.01165346 |
| <i>ICAM2</i> | -0.2668413 | 1.02E-06 | 0.01163522 |
| <i>PCDHAC1</i> | -0.2668907 | 1.01E-06 | 0.01158194 |
| <i>UNC119B</i> | -0.2669202 | 1.01E-06 | 0.01154994 |
| <i>FARP2</i> | -0.2669226 | 1.01E-06 | 0.01154823 |
| <i>COL28A1</i> | -0.2669237 | 1.01E-06 | 0.01154802 |
| <i>ADAM11</i> | -0.2669714 | 1.00E-06 | 0.01149602 |
| <i>GAS1</i> | -0.267034 | 9.98E-07 | 0.0114276 |
| <i>MTMR14</i> | -0.2670487 | 9.97E-07 | 0.01141247 |
| <i>NSF</i> | -0.2670624 | 9.95E-07 | 0.01139831 |
| <i>MOBKL1B</i> | -0.2671068 | 9.91E-07 | 0.01135145 |
| <i>LOC1001282</i> | -0.2671637 | 9.86E-07 | 0.01129115 |
| <i>DPPA4</i> | -0.2671882 | 9.83E-07 | 0.01126647 |
| <i>RASSF8</i> | -0.2671933 | 9.83E-07 | 0.01126187 |
| <i>MRAS</i> | -0.2672519 | 9.77E-07 | 0.0112012 |
| <i>H1FNT</i> | -0.2674199 | 9.61E-07 | 0.01102344 |
| <i>CSF2RA</i> | -0.2674383 | 9.60E-07 | 0.01100473 |
| <i>OSMR</i> | -0.2674776 | 9.56E-07 | 0.01096488 |
| <i>NNAT</i> | -0.2674824 | 9.56E-07 | 0.01096078 |
| <i>TNFAIP3</i> | -0.2675158 | 9.53E-07 | 0.01092639 |
| <i>GPR123</i> | -0.2675568 | 9.49E-07 | 0.01088402 |
| <i>ST14</i> | -0.267631 | 9.42E-07 | 0.01081072 |
| <i>GPBAR1</i> | -0.267655 | 9.40E-07 | 0.01078659 |
| <i>PDPR</i> | -0.2676609 | 9.39E-07 | 0.0107814 |
| <i>C3orf54</i> | -0.2676728 | 9.38E-07 | 0.01076989 |
| <i>SYT13</i> | -0.2677723 | 9.29E-07 | 0.01066934 |
| <i>VPS26B</i> | -0.2678794 | 9.20E-07 | 0.01056096 |
| <i>PYGO1</i> | -0.2679374 | 9.14E-07 | 0.01050265 |
| <i>FAM171B</i> | -0.2679392 | 9.14E-07 | 0.01050169 |
| <i>RAPGEFL1</i> | -0.2680315 | 9.06E-07 | 0.01041262 |
| <i>NRIP2</i> | -0.2680468 | 9.05E-07 | 0.01039811 |
| <i>PIK3R1</i> | -0.268059 | 9.04E-07 | 0.01038668 |
| <i>ITGAD</i> | -0.2681748 | 8.94E-07 | 0.01027244 |
| <i>SLC6A2</i> | -0.2681878 | 8.93E-07 | 0.01026126 |
| <i>CRELD2</i> | -0.2681973 | 8.92E-07 | 0.0102536 |
| <i>TSSK3</i> | -0.2682288 | 8.89E-07 | 0.01022313 |
| <i>MAN1A2</i> | -0.2682532 | 8.87E-07 | 0.01019987 |
| <i>NUMA1</i> | -0.2682619 | 8.86E-07 | 0.01019214 |
| <i>GPR124</i> | -0.2683006 | 8.83E-07 | 0.01015473 |
| <i>L1CAM</i> | -0.2683385 | 8.80E-07 | 0.01011831 |
| <i>MYO5C</i> | -0.2684588 | 8.69E-07 | 0.01000334 |
| <i>MTMR4</i> | -0.2685523 | 8.61E-07 | 0.00991543 |
| <i>TCERG1L</i> | -0.2686129 | 8.56E-07 | 0.00985797 |
| <i>CKAP4</i> | -0.2686248 | 8.55E-07 | 0.00984741 |
| <i>REL</i> | -0.2687857 | 8.42E-07 | 0.00969783 |
| <i>IL2RA</i> | -0.2688509 | 8.37E-07 | 0.00963987 |
| <i>TPSD1</i> | -0.2688593 | 8.36E-07 | 0.00963288 |
| <i>P4HA2</i> | -0.2688687 | 8.35E-07 | 0.00962571 |
| <i>FAM20A</i> | -0.2689873 | 8.26E-07 | 0.00951848 |
| <i>LY6H</i> | -0.2690962 | 8.17E-07 | 0.00941968 |
| <i>TMEM184C</i> | -0.2691751 | 8.11E-07 | 0.00935151 |

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| <i>P2RY6</i> | -0.2691912 | 8.10E-07 | 0.00933766 |
| <i>CCDC65</i> | -0.2693276 | 7.99E-07 | 0.00921833 |
| <i>LOC148824</i> | -0.2694297 | 7.91E-07 | 0.00912851 |
| <i>RASA4</i> | -0.2695045 | 7.85E-07 | 0.00906292 |
| <i>RNF31</i> | -0.2695155 | 7.84E-07 | 0.00905401 |
| <i>PHKB</i> | -0.2696831 | 7.72E-07 | 0.00890861 |
| <i>HLA-DQB1</i> | -0.2697303 | 7.68E-07 | 0.00886839 |
| <i>DYNC2H1</i> | -0.2697342 | 7.68E-07 | 0.00886572 |
| <i>SPATA1</i> | -0.2698367 | 7.60E-07 | 0.00877813 |
| <i>LOC1001305</i> | -0.26986 | 7.58E-07 | 0.00875896 |
| <i>ADARB2</i> | -0.2699329 | 7.53E-07 | 0.00869903 |
| <i>SAT2</i> | -0.2699752 | 7.50E-07 | 0.00866383 |
| <i>ZNF415</i> | -0.270195 | 7.34E-07 | 0.00848245 |
| <i>PLSCR5</i> | -0.270217 | 7.32E-07 | 0.00846493 |
| <i>PRKAB2</i> | -0.270306 | 7.26E-07 | 0.008393 |
| <i>PLXND1</i> | -0.2703111 | 7.26E-07 | 0.00839026 |
| <i>DTWD2</i> | -0.2703124 | 7.26E-07 | 0.00839003 |
| <i>C21orf128</i> | -0.2703169 | 7.25E-07 | 0.00838763 |
| <i>COL17A1</i> | -0.2703345 | 7.24E-07 | 0.00837395 |
| <i>NPPC</i> | -0.2703737 | 7.21E-07 | 0.00834258 |
| <i>C4orf31</i> | -0.2705055 | 7.12E-07 | 0.00823698 |
| <i>NXPH2</i> | -0.2705383 | 7.10E-07 | 0.00821198 |
| <i>CTSF</i> | -0.2705616 | 7.08E-07 | 0.0081939 |
| <i>HRH4</i> | -0.2705665 | 7.08E-07 | 0.00819068 |
| <i>DDA1</i> | -0.2705793 | 7.07E-07 | 0.00818116 |
| <i>ALPPL2</i> | -0.2706138 | 7.04E-07 | 0.00815491 |
| <i>C9orf167</i> | -0.270637 | 7.03E-07 | 0.00813706 |
| <i>KIAA0240</i> | -0.2706509 | 7.02E-07 | 0.00812673 |
| <i>PCDHB6</i> | -0.2706552 | 7.02E-07 | 0.00812396 |
| <i>TM6SF1</i> | -0.2707624 | 6.94E-07 | 0.00804181 |
| <i>HLA-G</i> | -0.2707675 | 6.94E-07 | 0.00803844 |
| <i>RASIP1</i> | -0.2707778 | 6.93E-07 | 0.008031 |
| <i>FAM187B</i> | -0.270791 | 6.92E-07 | 0.008022 |
| <i>GPR98</i> | -0.2708067 | 6.91E-07 | 0.00801039 |
| <i>IGFALS</i> | -0.2708417 | 6.89E-07 | 0.00798426 |
| <i>CAPN1</i> | -0.2708696 | 6.87E-07 | 0.00796311 |
| <i>LIMS3</i> | -0.270929 | 6.83E-07 | 0.00791819 |
| <i>VSX2</i> | -0.2709517 | 6.81E-07 | 0.00790124 |
| <i>PARK2</i> | -0.2710173 | 6.77E-07 | 0.0078526 |
| <i>D4S234E</i> | -0.2710521 | 6.75E-07 | 0.00782647 |
| <i>CSF3R</i> | -0.2711049 | 6.71E-07 | 0.00778666 |
| <i>FLJ37543</i> | -0.2711415 | 6.69E-07 | 0.00776002 |
| <i>PRAM1</i> | -0.2711436 | 6.69E-07 | 0.00775909 |
| <i>C6orf106</i> | -0.2711466 | 6.69E-07 | 0.0077575 |
| <i>CDS1</i> | -0.2711599 | 6.68E-07 | 0.00774806 |
| <i>RAB34</i> | -0.2712212 | 6.64E-07 | 0.00770215 |
| <i>PAPPA</i> | -0.2712385 | 6.63E-07 | 0.00769039 |
| <i>NCKAP5</i> | -0.2712993 | 6.59E-07 | 0.00764653 |
| <i>TMEM195</i> | -0.2714678 | 6.48E-07 | 0.00752155 |
| <i>LTBP3</i> | -0.2715455 | 6.43E-07 | 0.0074662 |
| <i>GBAP1</i> | -0.2715879 | 6.40E-07 | 0.00743634 |

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| <i>CHD8</i> | -0.271599 | 6.39E-07 | 0.00742942 |
| <i>GLUL</i> | -0.2715991 | 6.39E-07 | 0.00742942 |
| <i>EMX2</i> | -0.2716436 | 6.37E-07 | 0.00739886 |
| <i>ZNF718</i> | -0.2717861 | 6.28E-07 | 0.00729892 |
| <i>PCSK1N</i> | -0.2717897 | 6.28E-07 | 0.00729694 |
| <i>HOXB2</i> | -0.2718488 | 6.24E-07 | 0.0072552 |
| <i>SLC24A3</i> | -0.2718948 | 6.21E-07 | 0.00722302 |
| <i>MARCO</i> | -0.2718964 | 6.21E-07 | 0.00722254 |
| <i>NAV1</i> | -0.2719674 | 6.17E-07 | 0.00717341 |
| <i>KCTD11</i> | -0.2720741 | 6.10E-07 | 0.00709954 |
| <i>VSTM1</i> | -0.2721121 | 6.08E-07 | 0.00707356 |
| <i>KIR3DX1</i> | -0.2721568 | 6.05E-07 | 0.00704309 |
| <i>MFAP1</i> | -0.2721665 | 6.05E-07 | 0.00703696 |
| <i>UBE4B</i> | -0.2721711 | 6.04E-07 | 0.00703437 |
| <i>ARHGEF17</i> | -0.2721831 | 6.04E-07 | 0.00702664 |
| <i>CACNA1I</i> | -0.2725005 | 5.85E-07 | 0.00681336 |
| <i>TMEM51</i> | -0.2725745 | 5.81E-07 | 0.00676491 |
| <i>GANC</i> | -0.2726426 | 5.77E-07 | 0.00672066 |
| <i>C6orf208</i> | -0.2726455 | 5.77E-07 | 0.00671935 |
| <i>FAM48B1</i> | -0.2727286 | 5.72E-07 | 0.00666495 |
| <i>ARHGDI1A</i> | -0.2728038 | 5.68E-07 | 0.00661613 |
| <i>OSTF1</i> | -0.2728213 | 5.67E-07 | 0.00660523 |
| <i>GAL3ST4</i> | -0.2728419 | 5.66E-07 | 0.00659406 |
| <i>RIMBP3C</i> | -0.2728872 | 5.63E-07 | 0.00656517 |
| <i>LOC399959</i> | -0.2729202 | 5.61E-07 | 0.00654431 |
| <i>ELOVL6</i> | -0.2729455 | 5.60E-07 | 0.00652906 |
| <i>GXYLT2</i> | -0.2729567 | 5.59E-07 | 0.00652242 |
| <i>RING1</i> | -0.2730223 | 5.56E-07 | 0.00648128 |
| <i>GLUD2</i> | -0.2730313 | 5.55E-07 | 0.00647607 |
| <i>KCNIP3</i> | -0.2730735 | 5.53E-07 | 0.00645075 |
| <i>WDR44</i> | -0.2730799 | 5.52E-07 | 0.00644722 |
| <i>NKX3-2</i> | -0.2731837 | 5.47E-07 | 0.0063829 |
| <i>LMO1</i> | -0.273363 | 5.37E-07 | 0.00627264 |
| <i>STX8</i> | -0.2733919 | 5.36E-07 | 0.0062558 |
| <i>FGD6</i> | -0.2734631 | 5.32E-07 | 0.00621228 |
| <i>RBM9</i> | -0.2735572 | 5.27E-07 | 0.00615514 |
| <i>DMAP1</i> | -0.2735641 | 5.27E-07 | 0.00615141 |
| <i>PHF21A</i> | -0.273676 | 5.21E-07 | 0.00608403 |
| <i>NSD1</i> | -0.2736976 | 5.20E-07 | 0.00607153 |
| <i>PLD2</i> | -0.2737093 | 5.19E-07 | 0.00606497 |
| <i>PDLIM4</i> | -0.273772 | 5.16E-07 | 0.0060289 |
| <i>COL21A1</i> | -0.2737753 | 5.16E-07 | 0.00602743 |
| <i>C4A</i> | -0.2737939 | 5.15E-07 | 0.00601684 |
| <i>RLTPR</i> | -0.2737985 | 5.14E-07 | 0.00601463 |
| <i>TBX2</i> | -0.2738941 | 5.10E-07 | 0.00595876 |
| <i>ICMT</i> | -0.2739468 | 5.07E-07 | 0.00592818 |
| <i>RAPGEF2</i> | -0.2739818 | 5.05E-07 | 0.0059081 |
| <i>TRIB2</i> | -0.2740084 | 5.04E-07 | 0.00589302 |
| <i>OPRM1</i> | -0.2740564 | 5.01E-07 | 0.00586595 |
| <i>PTPN7</i> | -0.2743488 | 4.87E-07 | 0.0056993 |
| <i>CDC42</i> | -0.2743773 | 4.86E-07 | 0.00568414 |

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| <i>ANGPT1</i> | -0.2743921 | 4.85E-07 | 0.00567626 |
| <i>F8</i> | -0.2744797 | 4.81E-07 | 0.00562741 |
| <i>TM9SF1</i> | -0.2745099 | 4.79E-07 | 0.00561147 |
| <i>ACRBP</i> | -0.2745131 | 4.79E-07 | 0.00561016 |
| <i>GATSL3</i> | -0.2745291 | 4.78E-07 | 0.00560173 |
| <i>EID1</i> | -0.2746083 | 4.75E-07 | 0.00556011 |
| <i>CUBN</i> | -0.2746556 | 4.72E-07 | 0.00553443 |
| <i>KIAA1324</i> | -0.2746727 | 4.72E-07 | 0.00552593 |
| <i>FBXO27</i> | -0.2747005 | 4.70E-07 | 0.00551113 |
| <i>ECM2</i> | -0.2748225 | 4.65E-07 | 0.00544635 |
| <i>SPAG6</i> | -0.2749429 | 4.59E-07 | 0.00538377 |
| <i>LOC285456</i> | -0.2749784 | 4.57E-07 | 0.00536599 |
| <i>PAK4</i> | -0.2749801 | 4.57E-07 | 0.00536553 |
| <i>FAM174B</i> | -0.275014 | 4.56E-07 | 0.00534833 |
| <i>KCNG2</i> | -0.2751239 | 4.51E-07 | 0.00529046 |
| <i>FAM38B</i> | -0.2751542 | 4.50E-07 | 0.00527494 |
| <i>MEF2B</i> | -0.2751949 | 4.48E-07 | 0.00525399 |
| <i>PHF21B</i> | -0.2752128 | 4.47E-07 | 0.00524551 |
| <i>SERPINF1</i> | -0.2752673 | 4.44E-07 | 0.00521745 |
| <i>PCDHA9</i> | -0.2753623 | 4.40E-07 | 0.00516948 |
| <i>TK2</i> | -0.2753892 | 4.39E-07 | 0.00515608 |
| <i>PHF1</i> | -0.2754234 | 4.38E-07 | 0.00513968 |
| <i>FLJ33360</i> | -0.2754672 | 4.36E-07 | 0.00511909 |
| <i>PWRN1</i> | -0.2756505 | 4.28E-07 | 0.00502652 |
| <i>FLRT3</i> | -0.2756679 | 4.27E-07 | 0.00501823 |
| <i>GAL3ST3</i> | -0.2757161 | 4.25E-07 | 0.00499494 |
| <i>FAM45A</i> | -0.2757181 | 4.25E-07 | 0.00499436 |
| <i>ZCCHC12</i> | -0.2757432 | 4.24E-07 | 0.00498266 |
| <i>ANKRD6</i> | -0.2757501 | 4.24E-07 | 0.00497966 |
| <i>SARDH</i> | -0.2757521 | 4.23E-07 | 0.00497908 |
| <i>FAM92B</i> | -0.2757713 | 4.23E-07 | 0.00496993 |
| <i>ZNF334</i> | -0.2762388 | 4.03E-07 | 0.00474499 |
| <i>USP43</i> | -0.276309 | 4.00E-07 | 0.00471207 |
| <i>PRKAR2A</i> | -0.2763221 | 4.00E-07 | 0.00470633 |
| <i>PDCD1</i> | -0.2764604 | 3.94E-07 | 0.00464225 |
| <i>HSD17B6</i> | -0.2764855 | 3.93E-07 | 0.00463095 |
| <i>FAM83F</i> | -0.2764945 | 3.93E-07 | 0.00462718 |
| <i>EBF3</i> | -0.2765481 | 3.91E-07 | 0.00460321 |
| <i>ZNF655</i> | -0.2765487 | 3.91E-07 | 0.00460321 |
| <i>GPR61</i> | -0.2766824 | 3.86E-07 | 0.00454222 |
| <i>GPR128</i> | -0.2767219 | 3.84E-07 | 0.00452579 |
| <i>ELF4</i> | -0.2767323 | 3.84E-07 | 0.00452146 |
| <i>C11orf9</i> | -0.2767752 | 3.82E-07 | 0.00450276 |
| <i>SLFN5</i> | -0.2768018 | 3.81E-07 | 0.0044915 |
| <i>SERPING1</i> | -0.2768088 | 3.81E-07 | 0.00448874 |
| <i>TRDN</i> | -0.2768097 | 3.81E-07 | 0.00448868 |
| <i>NAT8L</i> | -0.2768616 | 3.79E-07 | 0.00446572 |
| <i>TBC1D20</i> | -0.2768725 | 3.78E-07 | 0.00446119 |
| <i>SLC12A3</i> | -0.2770038 | 3.73E-07 | 0.00440383 |
| <i>GNA14</i> | -0.2771104 | 3.70E-07 | 0.00436004 |
| <i>TMEM47</i> | -0.2771127 | 3.69E-07 | 0.00435659 |

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| <i>VAT1</i> | -0.2771692 | 3.67E-07 | 0.00433224 |
| <i>ZNF660</i> | -0.2771859 | 3.67E-07 | 0.00432537 |
| <i>ROR2</i> | -0.2772278 | 3.65E-07 | 0.00430787 |
| <i>RRN3P3</i> | -0.2774596 | 3.57E-07 | 0.00421061 |
| <i>SH3BGRL3</i> | -0.2774629 | 3.57E-07 | 0.00420993 |
| <i>NXN</i> | -0.2775515 | 3.53E-07 | 0.00417357 |
| <i>ZBTB17</i> | -0.2775612 | 3.53E-07 | 0.00416983 |
| <i>AKR1B1</i> | -0.2775841 | 3.52E-07 | 0.0041606 |
| <i>PCDHGB6</i> | -0.2777967 | 3.45E-07 | 0.00407337 |
| <i>PAR3B</i> | -0.2778052 | 3.44E-07 | 0.00407052 |
| <i>KLHL11</i> | -0.2778053 | 3.44E-07 | 0.00407052 |
| <i>LOC400804</i> | -0.2778266 | 3.44E-07 | 0.00406245 |
| <i>DPYSL3</i> | -0.2778723 | 3.42E-07 | 0.00404412 |
| <i>TNIP2</i> | -0.2778846 | 3.42E-07 | 0.00403978 |
| <i>11-Sep</i> | -0.2778918 | 3.41E-07 | 0.00403719 |
| <i>MYO15B</i> | -0.277897 | 3.41E-07 | 0.00403541 |
| <i>ZP1</i> | -0.2779785 | 3.39E-07 | 0.00400269 |
| <i>BCMO1</i> | -0.2780035 | 3.38E-07 | 0.00399293 |
| <i>KCNS3</i> | -0.2780713 | 3.35E-07 | 0.00396605 |
| <i>EMCN</i> | -0.2781127 | 3.34E-07 | 0.0039498 |
| <i>BCAM</i> | -0.2781501 | 3.33E-07 | 0.00393525 |
| <i>MAGEH1</i> | -0.2781845 | 3.32E-07 | 0.00392191 |
| <i>LOC729678</i> | -0.2782844 | 3.28E-07 | 0.0038835 |
| <i>CHFR</i> | -0.2786072 | 3.18E-07 | 0.00376065 |
| <i>FAM13A</i> | -0.2786869 | 3.15E-07 | 0.0037311 |
| <i>FRY</i> | -0.2787276 | 3.14E-07 | 0.00371605 |
| <i>U2AF1L4</i> | -0.2788154 | 3.11E-07 | 0.0036844 |
| <i>FBXO31</i> | -0.2788318 | 3.11E-07 | 0.0036786 |
| <i>TSLP</i> | -0.2788894 | 3.09E-07 | 0.00365749 |
| <i>FAM5B</i> | -0.2789445 | 3.07E-07 | 0.00363742 |
| <i>KCTD15</i> | -0.2789753 | 3.06E-07 | 0.00362639 |
| <i>NTSR1</i> | -0.2789763 | 3.06E-07 | 0.00362636 |
| <i>FGR</i> | -0.2789836 | 3.06E-07 | 0.00362397 |
| <i>SLFN12</i> | -0.2789972 | 3.05E-07 | 0.00361927 |
| <i>ADCY7</i> | -0.2792329 | 2.98E-07 | 0.00353408 |
| <i>CD72</i> | -0.27927 | 2.97E-07 | 0.00352111 |
| <i>GHRL</i> | -0.2794599 | 2.91E-07 | 0.00345416 |
| <i>CD99L2</i> | -0.2795227 | 2.90E-07 | 0.0034328 |
| <i>PZP</i> | -0.2797361 | 2.83E-07 | 0.00336114 |
| <i>SLC25A45</i> | -0.2797613 | 2.83E-07 | 0.00335283 |
| <i>CACNG6</i> | -0.2798274 | 2.81E-07 | 0.00333103 |
| <i>SLC22A18</i> | -0.2798342 | 2.80E-07 | 0.00332916 |
| <i>CNGA1</i> | -0.2798596 | 2.80E-07 | 0.00332088 |
| <i>GYS1</i> | -0.279899 | 2.79E-07 | 0.00330787 |
| <i>SLC16A14</i> | -0.2800228 | 2.75E-07 | 0.00326784 |
| <i>FRMD6</i> | -0.280069 | 2.74E-07 | 0.00325305 |
| <i>SIGLEC14</i> | -0.280133 | 2.72E-07 | 0.00323274 |
| <i>UROD</i> | -0.280135 | 2.72E-07 | 0.00323235 |
| <i>RMND5A</i> | -0.2801866 | 2.71E-07 | 0.00321566 |
| <i>PTPN5</i> | -0.2802174 | 2.70E-07 | 0.00320588 |
| <i>MGC3771</i> | -0.2802815 | 2.68E-07 | 0.00318526 |

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| <i>SP100</i> | -0.2803517 | 2.66E-07 | 0.00316311 |
| <i>BASP1</i> | -0.2805243 | 2.61E-07 | 0.0031082 |
| <i>TUBGCP2</i> | -0.2805964 | 2.60E-07 | 0.00308622 |
| <i>UTS2R</i> | -0.2806699 | 2.58E-07 | 0.0030634 |
| <i>MARVELD1</i> | -0.2807124 | 2.56E-07 | 0.0030504 |
| <i>ZFP36</i> | -0.2807348 | 2.56E-07 | 0.00304369 |
| <i>ATP1A3</i> | -0.2807478 | 2.56E-07 | 0.00303993 |
| <i>FKBP2</i> | -0.2807729 | 2.55E-07 | 0.00303239 |
| <i>TRPV6</i> | -0.2809411 | 2.51E-07 | 0.00298227 |
| <i>HAVCR2</i> | -0.2809474 | 2.50E-07 | 0.00298058 |
| <i>LDB2</i> | -0.2809678 | 2.50E-07 | 0.00297463 |
| <i>YPEL5</i> | -0.2809758 | 2.50E-07 | 0.00297245 |
| <i>GAMT</i> | -0.2809882 | 2.49E-07 | 0.00296894 |
| <i>ANKRD34A</i> | -0.2810238 | 2.48E-07 | 0.00295842 |
| <i>B4GALNT1</i> | -0.2810578 | 2.48E-07 | 0.0029484 |
| <i>ST3GAL6</i> | -0.2812181 | 2.44E-07 | 0.00290145 |
| <i>NAPG</i> | -0.2812303 | 2.43E-07 | 0.00289808 |
| <i>ETV6</i> | -0.2812736 | 2.42E-07 | 0.00288551 |
| <i>ZBTB48</i> | -0.2813291 | 2.41E-07 | 0.00286942 |
| <i>SLC39A14</i> | -0.2813362 | 2.41E-07 | 0.00286756 |
| <i>EHMT1</i> | -0.281362 | 2.40E-07 | 0.00286024 |
| <i>B3GNT1</i> | -0.2814596 | 2.38E-07 | 0.00283206 |
| <i>SLC26A4</i> | -0.2815397 | 2.36E-07 | 0.00280966 |
| <i>GLT25D2</i> | -0.2815664 | 2.35E-07 | 0.00280222 |
| <i>AUH</i> | -0.2816129 | 2.34E-07 | 0.00278912 |
| <i>TCL6</i> | -0.2816583 | 2.33E-07 | 0.00277689 |
| <i>UOCR10</i> | -0.2816993 | 2.32E-07 | 0.00276572 |
| <i>EPN1</i> | -0.2817262 | 2.31E-07 | 0.0027588 |
| <i>GAB4</i> | -0.2817639 | 2.30E-07 | 0.00274863 |
| <i>SULT1A3</i> | -0.2817732 | 2.30E-07 | 0.00274647 |
| <i>BBS12</i> | -0.2818104 | 2.29E-07 | 0.00273623 |
| <i>ZNF528</i> | -0.2818427 | 2.28E-07 | 0.00272742 |
| <i>TBC1D14</i> | -0.2818714 | 2.28E-07 | 0.00271965 |
| <i>C21orf2</i> | -0.2818956 | 2.27E-07 | 0.00271312 |
| <i>ACADL</i> | -0.2819371 | 2.26E-07 | 0.00270206 |
| <i>WBSCR26</i> | -0.2819629 | 2.26E-07 | 0.00269537 |
| <i>VSIG10L</i> | -0.2819964 | 2.25E-07 | 0.00268636 |
| <i>HIST1H4H</i> | -0.2820938 | 2.23E-07 | 0.00265987 |
| <i>TRPC2</i> | -0.2820961 | 2.23E-07 | 0.00265945 |
| <i>LEP</i> | -0.2821035 | 2.22E-07 | 0.00265765 |
| <i>LRRC48</i> | -0.28214 | 2.22E-07 | 0.00264817 |
| <i>REEP4</i> | -0.28216 | 2.21E-07 | 0.00264297 |
| <i>HTR2B</i> | -0.2822343 | 2.19E-07 | 0.00262377 |
| <i>ZSCAN18</i> | -0.2822598 | 2.19E-07 | 0.00261734 |
| <i>EIF4E1B</i> | -0.2824148 | 2.15E-07 | 0.00257729 |
| <i>KATNAL2</i> | -0.2824247 | 2.15E-07 | 0.00257489 |
| <i>ST6GALNAC4</i> | -0.2824818 | 2.14E-07 | 0.00256002 |
| <i>DAND5</i> | -0.2825608 | 2.12E-07 | 0.00253977 |
| <i>FAM43A</i> | -0.2826025 | 2.11E-07 | 0.00252953 |
| <i>C1R</i> | -0.2827198 | 2.09E-07 | 0.00250004 |
| <i>TCL1B</i> | -0.2827414 | 2.08E-07 | 0.00249469 |

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| <i>IDO2</i> | -0.2827705 | 2.08E-07 | 0.00248743 |
| <i>QRICH1</i> | -0.2827762 | 2.08E-07 | 0.00248618 |
| <i>CCDC25</i> | -0.282806 | 2.07E-07 | 0.00247899 |
| <i>LOC389332</i> | -0.2828632 | 2.06E-07 | 0.00246464 |
| <i>TDH</i> | -0.2828915 | 2.05E-07 | 0.0024581 |
| <i>SP110</i> | -0.2829182 | 2.05E-07 | 0.00245176 |
| <i>CHRNA1</i> | -0.2829237 | 2.04E-07 | 0.00245058 |
| <i>ARHGEF10L</i> | -0.2829947 | 2.03E-07 | 0.00243293 |
| <i>CLEC7A</i> | -0.283039 | 2.02E-07 | 0.00242205 |
| <i>SHISA7</i> | -0.283086 | 2.01E-07 | 0.00241056 |
| <i>SUOX</i> | -0.2831383 | 2.00E-07 | 0.0023978 |
| <i>AGAP11</i> | -0.2832472 | 1.98E-07 | 0.00237126 |
| <i>SPATA22</i> | -0.2833795 | 1.95E-07 | 0.00233952 |
| <i>SPSB1</i> | -0.2834284 | 1.94E-07 | 0.00232812 |
| <i>SKI</i> | -0.2834621 | 1.93E-07 | 0.00232025 |
| <i>ALOX12B</i> | -0.2836294 | 1.90E-07 | 0.0022809 |
| <i>CORO1B</i> | -0.2837567 | 1.88E-07 | 0.00225149 |
| <i>ADCYAP1</i> | -0.2837685 | 1.87E-07 | 0.00224912 |
| <i>TNFRSF10D</i> | -0.283998 | 1.83E-07 | 0.00219697 |
| <i>ASTN2</i> | -0.2840215 | 1.83E-07 | 0.00219183 |
| <i>CLNK</i> | -0.2841624 | 1.80E-07 | 0.00216048 |
| <i>C2orf85</i> | -0.2841944 | 1.79E-07 | 0.00215369 |
| <i>GALNT10</i> | -0.2843782 | 1.76E-07 | 0.00211364 |
| <i>KIAA1908</i> | -0.2843806 | 1.76E-07 | 0.00211329 |
| <i>UGT2A3</i> | -0.2844001 | 1.76E-07 | 0.00210938 |
| <i>DSG2</i> | -0.2844024 | 1.76E-07 | 0.00210924 |
| <i>TMEM119</i> | -0.2844193 | 1.75E-07 | 0.00210571 |
| <i>FBXL14</i> | -0.2844397 | 1.75E-07 | 0.00210144 |
| <i>MYH14</i> | -0.2845327 | 1.73E-07 | 0.00208165 |
| <i>DMGDH</i> | -0.2845638 | 1.73E-07 | 0.00207531 |
| <i>OAZ2</i> | -0.2845872 | 1.72E-07 | 0.00207062 |
| <i>ACAD10</i> | -0.2846027 | 1.72E-07 | 0.00206747 |
| <i>PER2</i> | -0.2846358 | 1.71E-07 | 0.00206056 |
| <i>CTSZ</i> | -0.2846609 | 1.71E-07 | 0.00205538 |
| <i>BAI2</i> | -0.2846786 | 1.71E-07 | 0.00205178 |
| <i>CIB1</i> | -0.2846905 | 1.70E-07 | 0.00204941 |
| <i>LOC407835</i> | -0.2847115 | 1.70E-07 | 0.00204512 |
| <i>C10orf28</i> | -0.2847339 | 1.70E-07 | 0.00204083 |
| <i>OR13A1</i> | -0.2847342 | 1.70E-07 | 0.00204083 |
| <i>LRRC16A</i> | -0.2849272 | 1.66E-07 | 0.00200056 |
| <i>COG7</i> | -0.2849304 | 1.66E-07 | 0.00200005 |
| <i>NKX3-1</i> | -0.2849613 | 1.66E-07 | 0.00199381 |
| <i>C1QTNF3</i> | -0.2850157 | 1.65E-07 | 0.00198276 |
| <i>ARHGEF15</i> | -0.2850732 | 1.64E-07 | 0.00197145 |
| <i>CARD8</i> | -0.2851603 | 1.62E-07 | 0.00195418 |
| <i>ECHS1</i> | -0.2852754 | 1.60E-07 | 0.00193144 |
| <i>ZNF341</i> | -0.2854691 | 1.57E-07 | 0.00189342 |
| <i>RSPH9</i> | -0.2854711 | 1.57E-07 | 0.00189319 |
| <i>H6PD</i> | -0.2855657 | 1.56E-07 | 0.00187481 |
| <i>KBTBD12</i> | -0.28564 | 1.54E-07 | 0.00186053 |
| <i>ARL6IP5</i> | -0.2857912 | 1.52E-07 | 0.00183179 |

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| <i>ALPK1</i> | -0.2858123 | 1.52E-07 | 0.00182806 |
| <i>LOC1002160</i> | -0.2858342 | 1.51E-07 | 0.0018242 |
| <i>AP2M1</i> | -0.2858784 | 1.51E-07 | 0.00181598 |
| <i>TOR1AIP1</i> | -0.2859255 | 1.50E-07 | 0.00180739 |
| <i>MKL2</i> | -0.2859382 | 1.50E-07 | 0.00180515 |
| <i>GAS6</i> | -0.2860384 | 1.48E-07 | 0.00178686 |
| <i>KCNJ10</i> | -0.2861021 | 1.47E-07 | 0.00177517 |
| <i>MAP3K9</i> | -0.2861724 | 1.46E-07 | 0.00176235 |
| <i>C4orf12</i> | -0.2861743 | 1.46E-07 | 0.00176216 |
| <i>CNIH2</i> | -0.2862878 | 1.44E-07 | 0.00174199 |
| <i>SLIT1</i> | -0.2863448 | 1.43E-07 | 0.00173181 |
| <i>CLIP1</i> | -0.2863616 | 1.43E-07 | 0.00172907 |
| <i>RALGPS1</i> | -0.2864003 | 1.43E-07 | 0.00172225 |
| <i>NIN</i> | -0.2864055 | 1.43E-07 | 0.00172145 |
| <i>BAG1</i> | -0.286524 | 1.41E-07 | 0.00170057 |
| <i>IPO8</i> | -0.2866289 | 1.39E-07 | 0.00168246 |
| <i>BTBD6</i> | -0.2867235 | 1.38E-07 | 0.00166605 |
| <i>FGF16</i> | -0.2868273 | 1.36E-07 | 0.00164836 |
| <i>G3BP2</i> | -0.2869623 | 1.34E-07 | 0.00162565 |
| <i>AQP3</i> | -0.2870092 | 1.34E-07 | 0.00161783 |
| <i>PILRA</i> | -0.2870655 | 1.33E-07 | 0.00160846 |
| <i>TMEM132E</i> | -0.2871376 | 1.32E-07 | 0.00159651 |
| <i>IREB2</i> | -0.2872509 | 1.30E-07 | 0.00157821 |
| <i>FLJ42289</i> | -0.2872751 | 1.30E-07 | 0.00157447 |
| <i>ZNF658</i> | -0.2873198 | 1.30E-07 | 0.00156726 |
| <i>GPR126</i> | -0.28746 | 1.28E-07 | 0.00154466 |
| <i>LOC1001289</i> | -0.2874873 | 1.27E-07 | 0.00154063 |
| <i>PPP1R9A</i> | -0.2875267 | 1.27E-07 | 0.00153454 |
| <i>HLA-DPB2</i> | -0.2876273 | 1.25E-07 | 0.00151869 |
| <i>PGPEP1</i> | -0.2876377 | 1.25E-07 | 0.00151716 |
| <i>DLGAP3</i> | -0.2877528 | 1.24E-07 | 0.00149933 |
| <i>C17orf55</i> | -0.2878036 | 1.23E-07 | 0.00149161 |
| <i>UBR7</i> | -0.2878185 | 1.23E-07 | 0.00148939 |
| <i>CYP27C1</i> | -0.2879668 | 1.21E-07 | 0.00146663 |
| <i>RAPGEF3</i> | -0.2880482 | 1.20E-07 | 0.00145451 |
| <i>LOC1002407</i> | -0.2880782 | 1.20E-07 | 0.00145029 |
| <i>ZFP2</i> | -0.2880948 | 1.19E-07 | 0.00144788 |
| <i>STK32A</i> | -0.2881027 | 1.19E-07 | 0.00144681 |
| <i>CDON</i> | -0.2881751 | 1.18E-07 | 0.00143607 |
| <i>PCDHB7</i> | -0.2882901 | 1.17E-07 | 0.00141894 |
| <i>ZCWPW2</i> | -0.2883049 | 1.17E-07 | 0.00141686 |
| <i>POPDC3</i> | -0.2883369 | 1.16E-07 | 0.00141256 |
| <i>ZDHHC5</i> | -0.2884284 | 1.15E-07 | 0.00139926 |
| <i>SAMHD1</i> | -0.288508 | 1.14E-07 | 0.00138783 |
| <i>CHRD</i> | -0.2885382 | 1.14E-07 | 0.00138353 |
| <i>SCPEP1</i> | -0.2885654 | 1.14E-07 | 0.00137969 |
| <i>PCDHA1</i> | -0.2886755 | 1.12E-07 | 0.00136402 |
| <i>CDH5</i> | -0.2887147 | 1.12E-07 | 0.00135852 |
| <i>PGLYRP2</i> | -0.2887767 | 1.11E-07 | 0.0013498 |
| <i>TCF4</i> | -0.2888002 | 1.11E-07 | 0.00134656 |
| <i>ANUBL1</i> | -0.2888299 | 1.11E-07 | 0.00134246 |

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| <i>FAM20C</i> | -0.2888953 | 1.10E-07 | 0.00133336 |
| <i>RNF175</i> | -0.2888976 | 1.10E-07 | 0.00133315 |
| <i>KLHL38</i> | -0.289057 | 1.08E-07 | 0.00131104 |
| <i>NPB</i> | -0.2890887 | 1.08E-07 | 0.00130682 |
| <i>CNOT6L</i> | -0.289118 | 1.07E-07 | 0.00130318 |
| <i>FAM57B</i> | -0.2891391 | 1.07E-07 | 0.00130049 |
| <i>IRF6</i> | -0.2891516 | 1.07E-07 | 0.00129888 |
| <i>BCL2L13</i> | -0.2892251 | 1.06E-07 | 0.00128917 |
| <i>BTN3A1</i> | -0.2892356 | 1.06E-07 | 0.00128785 |
| <i>ZNF578</i> | -0.289278 | 1.05E-07 | 0.00128221 |
| <i>CDK3</i> | -0.289282 | 1.05E-07 | 0.00128176 |
| <i>MAVS</i> | -0.2892843 | 1.05E-07 | 0.00128157 |
| <i>IL22RA2</i> | -0.2893193 | 1.05E-07 | 0.00127705 |
| <i>ARG1</i> | -0.2893252 | 1.05E-07 | 0.00127636 |
| <i>VASH1</i> | -0.2893394 | 1.05E-07 | 0.00127456 |
| <i>HBG2</i> | -0.2893819 | 1.04E-07 | 0.00126895 |
| <i>NARS</i> | -0.2895009 | 1.03E-07 | 0.00125331 |
| <i>N4BP2</i> | -0.2895086 | 1.03E-07 | 0.00125239 |
| <i>PPP1CB</i> | -0.2895194 | 1.03E-07 | 0.00125108 |
| <i>CAP2</i> | -0.2895266 | 1.03E-07 | 0.00125022 |
| <i>CNTNAP4</i> | -0.2896534 | 1.01E-07 | 0.00123418 |
| <i>LNPEP</i> | -0.2896536 | 1.01E-07 | 0.00123418 |
| <i>ZNF236</i> | -0.2896597 | 1.01E-07 | 0.00123348 |
| <i>MATN4</i> | -0.2896744 | 1.01E-07 | 0.00123176 |
| <i>HSD17B14</i> | -0.2898162 | 9.96E-08 | 0.00121354 |
| <i>MYOZ3</i> | -0.2898222 | 9.95E-08 | 0.00121287 |
| <i>SCAPER</i> | -0.2898756 | 9.90E-08 | 0.00120633 |
| <i>MESP1</i> | -0.2899163 | 9.86E-08 | 0.00120124 |
| <i>CAPNS1</i> | -0.2900019 | 9.77E-08 | 0.00119081 |
| <i>PLBD2</i> | -0.2902091 | 9.56E-08 | 0.00116526 |
| <i>SLC28A2</i> | -0.2902187 | 9.55E-08 | 0.00116417 |
| <i>ODZ2</i> | -0.2903008 | 9.46E-08 | 0.00115419 |
| <i>LOC255167</i> | -0.2903546 | 9.41E-08 | 0.00114782 |
| <i>OSBPL6</i> | -0.2903628 | 9.40E-08 | 0.00114691 |
| <i>C20orf166</i> | -0.290383 | 9.38E-08 | 0.00114456 |
| <i>DNAJB14</i> | -0.2903854 | 9.38E-08 | 0.00114435 |
| <i>CROT</i> | -0.2903993 | 9.36E-08 | 0.00114286 |
| <i>TMEM135</i> | -0.2905452 | 9.22E-08 | 0.00112541 |
| <i>FAM55D</i> | -0.2905655 | 9.20E-08 | 0.00112308 |
| <i>OR10V1</i> | -0.2906084 | 9.16E-08 | 0.00111814 |
| <i>DOCK3</i> | -0.290619 | 9.15E-08 | 0.001117 |
| <i>UBTD2</i> | -0.29064 | 9.13E-08 | 0.00111461 |
| <i>KLF15</i> | -0.2906732 | 9.10E-08 | 0.00111078 |
| <i>HECTD1</i> | -0.2906879 | 9.08E-08 | 0.00110914 |
| <i>CACNA2D2</i> | -0.2906899 | 9.08E-08 | 0.00110899 |
| <i>ACP5</i> | -0.2907031 | 9.07E-08 | 0.00110754 |
| <i>PLA2G2C</i> | -0.2907666 | 9.01E-08 | 0.00110037 |
| <i>DUSP5</i> | -0.2907788 | 9.00E-08 | 0.00109904 |
| <i>KIF26A</i> | -0.2908135 | 8.96E-08 | 0.00109508 |
| <i>GNG11</i> | -0.2910679 | 8.72E-08 | 0.00106615 |
| <i>TAOK1</i> | -0.2911012 | 8.69E-08 | 0.00106248 |

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| <i>PLEKHG4B</i> | -0.2912195 | 8.58E-08 | 0.00104928 |
| <i>SLC44A1</i> | -0.2912899 | 8.52E-08 | 0.00104161 |
| <i>ZNF25</i> | -0.2914192 | 8.40E-08 | 0.00102756 |
| <i>MIAT</i> | -0.2914913 | 8.34E-08 | 0.00101997 |
| <i>RBM24</i> | -0.2915351 | 8.30E-08 | 0.0010153 |
| <i>ZBTB42</i> | -0.2916477 | 8.20E-08 | 0.00100337 |
| <i>BNIP3L</i> | -0.2916693 | 8.18E-08 | 0.00100114 |
| <i>FOXJ2</i> | -0.2917075 | 8.15E-08 | 0.00099724 |
| <i>GGA1</i> | -0.2917606 | 8.10E-08 | 0.0009917 |
| <i>CAPN11</i> | -0.2918559 | 8.02E-08 | 0.00098192 |
| <i>SFTPA2</i> | -0.2919157 | 7.97E-08 | 0.00097584 |
| <i>MAGI2</i> | -0.2919892 | 7.91E-08 | 0.00096846 |
| <i>FCER1G</i> | -0.2920238 | 7.88E-08 | 0.00096497 |
| <i>PBX1</i> | -0.2920578 | 7.85E-08 | 0.00096163 |
| <i>PARP15</i> | -0.2920646 | 7.84E-08 | 0.00096109 |
| <i>SLK</i> | -0.2920748 | 7.84E-08 | 0.00096021 |
| <i>ZNF208</i> | -0.2920921 | 7.82E-08 | 0.00095851 |
| <i>TMOD2</i> | -0.2921345 | 7.79E-08 | 0.00095434 |
| <i>UNC13D</i> | -0.2921356 | 7.79E-08 | 0.00095431 |
| <i>ACTA2</i> | -0.2921464 | 7.78E-08 | 0.00095329 |
| <i>TXNDC15</i> | -0.2921621 | 7.76E-08 | 0.00095177 |
| <i>KIDINS220</i> | -0.2921786 | 7.75E-08 | 0.00095018 |
| <i>C17orf46</i> | -0.2922141 | 7.72E-08 | 0.00094666 |
| <i>ABLIM1</i> | -0.2922302 | 7.71E-08 | 0.00094511 |
| <i>MNDA</i> | -0.2922342 | 7.70E-08 | 0.00094486 |
| <i>ATP13A5</i> | -0.2923149 | 7.64E-08 | 0.00093691 |
| <i>GSDMB</i> | -0.2923512 | 7.61E-08 | 0.00093343 |
| <i>C6</i> | -0.2923739 | 7.59E-08 | 0.00093125 |
| <i>SCO2</i> | -0.2923751 | 7.59E-08 | 0.00093121 |
| <i>SYCE1</i> | -0.2925228 | 7.47E-08 | 0.00091678 |
| <i>FAM168B</i> | -0.2925806 | 7.42E-08 | 0.00091121 |
| <i>RIT1</i> | -0.2926409 | 7.38E-08 | 0.00090543 |
| <i>DNAJC22</i> | -0.292787 | 7.26E-08 | 0.00089161 |
| <i>CLCNKA</i> | -0.2928282 | 7.23E-08 | 0.00088776 |
| <i>S1PR2</i> | -0.2928555 | 7.21E-08 | 0.00088524 |
| <i>ZCCHC5</i> | -0.2929062 | 7.17E-08 | 0.0008806 |
| <i>CEBPD</i> | -0.2929872 | 7.11E-08 | 0.00087314 |
| <i>KLHL20</i> | -0.2930062 | 7.09E-08 | 0.00087143 |
| <i>LRRTM1</i> | -0.2930167 | 7.09E-08 | 0.00087053 |
| <i>APOE</i> | -0.2930757 | 7.04E-08 | 0.00086512 |
| <i>OXCT1</i> | -0.2930888 | 7.03E-08 | 0.00086397 |
| <i>ARHGEF2</i> | -0.2931062 | 7.02E-08 | 0.00086251 |
| <i>CMTM4</i> | -0.2931179 | 7.01E-08 | 0.0008615 |
| <i>ACADSB</i> | -0.293181 | 6.96E-08 | 0.00085584 |
| <i>DCX</i> | -0.293212 | 6.94E-08 | 0.00085307 |
| <i>FLJ35024</i> | -0.2932437 | 6.92E-08 | 0.00085031 |
| <i>DOT1L</i> | -0.2934074 | 6.80E-08 | 0.0008356 |
| <i>APOBEC3B</i> | -0.2934132 | 6.79E-08 | 0.00083514 |
| <i>PRR24</i> | -0.2936033 | 6.65E-08 | 0.00081855 |
| <i>TNFAIP8</i> | -0.2936983 | 6.59E-08 | 0.00081038 |
| <i>AP3B2</i> | -0.2937418 | 6.56E-08 | 0.00080667 |

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| <i>C9orf24</i> | -0.2937614 | 6.54E-08 | 0.00080504 |
| <i>FA2H</i> | -0.2937799 | 6.53E-08 | 0.0008035 |
| <i>SNORD116-2</i> | -0.2938204 | 6.50E-08 | 0.00080015 |
| <i>NDRG4</i> | -0.2938255 | 6.50E-08 | 0.00079977 |
| <i>CNTNAP1</i> | -0.29384 | 6.49E-08 | 0.0007986 |
| <i>OSBP</i> | -0.2938531 | 6.48E-08 | 0.00079754 |
| <i>PURG</i> | -0.2939006 | 6.45E-08 | 0.00079361 |
| <i>PNMA6A</i> | -0.2939195 | 6.43E-08 | 0.00079206 |
| <i>CHP2</i> | -0.2939736 | 6.39E-08 | 0.0007876 |
| <i>TIPARP</i> | -0.2939895 | 6.38E-08 | 0.00078632 |
| <i>INSL3</i> | -0.2939963 | 6.38E-08 | 0.00078581 |
| <i>GRID2</i> | -0.2941758 | 6.26E-08 | 0.00077092 |
| <i>HIF1A</i> | -0.294216 | 6.23E-08 | 0.00076766 |
| <i>FGD5</i> | -0.2943599 | 6.13E-08 | 0.00075605 |
| <i>BCL6</i> | -0.2943995 | 6.11E-08 | 0.00075296 |
| <i>PKD2L1</i> | -0.2944119 | 6.10E-08 | 0.00075201 |
| <i>TRPM5</i> | -0.294495 | 6.05E-08 | 0.00074549 |
| <i>PLA2G2A</i> | -0.2945897 | 5.98E-08 | 0.00073805 |
| <i>FOXF1</i> | -0.2946011 | 5.98E-08 | 0.0007372 |
| <i>AKR1C2</i> | -0.2946225 | 5.96E-08 | 0.00073557 |
| <i>CMIP</i> | -0.2946361 | 5.96E-08 | 0.00073455 |
| <i>CXorf36</i> | -0.2946383 | 5.95E-08 | 0.00073444 |
| <i>MRGPRD</i> | -0.2946956 | 5.92E-08 | 0.00073004 |
| <i>FLJ90757</i> | -0.2947079 | 5.91E-08 | 0.00072913 |
| <i>NTRK1</i> | -0.2947134 | 5.91E-08 | 0.00072876 |
| <i>HPS6</i> | -0.2947205 | 5.90E-08 | 0.00072826 |
| <i>PCDHGA12</i> | -0.29476 | 5.88E-08 | 0.00072522 |
| <i>SENP8</i> | -0.2948107 | 5.84E-08 | 0.00072139 |
| <i>UNC13C</i> | -0.2948609 | 5.81E-08 | 0.00071755 |
| <i>CRIP1</i> | -0.2950978 | 5.67E-08 | 0.00069962 |
| <i>IDH3A</i> | -0.2951458 | 5.64E-08 | 0.00069612 |
| <i>AGR3</i> | -0.2951548 | 5.63E-08 | 0.00069549 |
| <i>TNR</i> | -0.2953249 | 5.53E-08 | 0.00068295 |
| <i>NCAM2</i> | -0.2953315 | 5.52E-08 | 0.00068252 |
| <i>LOC150568</i> | -0.2955243 | 5.41E-08 | 0.00066867 |
| <i>UHRF1BP1L</i> | -0.2955373 | 5.40E-08 | 0.00066778 |
| <i>FAM48B2</i> | -0.2955385 | 5.40E-08 | 0.00066774 |
| <i>MRO</i> | -0.2955633 | 5.39E-08 | 0.00066601 |
| <i>RAB3A</i> | -0.2956937 | 5.31E-08 | 0.00065679 |
| <i>DDX25</i> | -0.295697 | 5.31E-08 | 0.00065661 |
| <i>UPP1</i> | -0.295743 | 5.28E-08 | 0.00065341 |
| <i>SLC26A3</i> | -0.2957479 | 5.28E-08 | 0.00065311 |
| <i>MBL1P</i> | -0.2957761 | 5.27E-08 | 0.00065123 |
| <i>MMAA</i> | -0.2957944 | 5.25E-08 | 0.00064999 |
| <i>FAM7A2</i> | -0.2958084 | 5.25E-08 | 0.00064906 |
| <i>MLYCD</i> | -0.2958487 | 5.22E-08 | 0.00064634 |
| <i>ZFAND2B</i> | -0.2958652 | 5.21E-08 | 0.00064524 |
| <i>?/728788</i> | -0.2958962 | 5.20E-08 | 0.00064318 |
| <i>ZNF688</i> | -0.2959267 | 5.18E-08 | 0.00064116 |
| <i>TSSK4</i> | -0.2959781 | 5.15E-08 | 0.00063766 |
| <i>NLGN2</i> | -0.2961244 | 5.07E-08 | 0.00062784 |

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| <i>TMEM8A</i> | -0.2962701 | 4.99E-08 | 0.0006181 |
| <i>C1orf58</i> | -0.2963014 | 4.97E-08 | 0.00061606 |
| <i>SLC16A3</i> | -0.2964475 | 4.90E-08 | 0.00060652 |
| <i>GSG1</i> | -0.2965587 | 4.84E-08 | 0.00059935 |
| <i>PI15</i> | -0.2965942 | 4.82E-08 | 0.00059718 |
| <i>RNF167</i> | -0.296635 | 4.80E-08 | 0.0005946 |
| <i>CTF1</i> | -0.2966857 | 4.77E-08 | 0.00059147 |
| <i>S100A14</i> | -0.2968052 | 4.71E-08 | 0.00058403 |
| <i>VCAM1</i> | -0.2968535 | 4.68E-08 | 0.00058102 |
| <i>ZNF764</i> | -0.2968797 | 4.67E-08 | 0.00057942 |
| <i>CRIM1</i> | -0.2969033 | 4.66E-08 | 0.00057798 |
| <i>FAM196A</i> | -0.2969316 | 4.65E-08 | 0.00057626 |
| <i>TMEM115</i> | -0.2969565 | 4.63E-08 | 0.00057475 |
| <i>DHRS4</i> | -0.296991 | 4.62E-08 | 0.00057264 |
| <i>DAG1</i> | -0.297021 | 4.60E-08 | 0.00057082 |
| <i>IL15</i> | -0.2970234 | 4.60E-08 | 0.00057072 |
| <i>KIAA0922</i> | -0.2971944 | 4.51E-08 | 0.0005603 |
| <i>ATE1</i> | -0.2971987 | 4.51E-08 | 0.00056008 |
| <i>UCP3</i> | -0.2972387 | 4.49E-08 | 0.00055769 |
| <i>GPC3</i> | -0.2973194 | 4.45E-08 | 0.00055286 |
| <i>FAM13AOS</i> | -0.2973497 | 4.44E-08 | 0.00055108 |
| <i>PNCK</i> | -0.2973708 | 4.43E-08 | 0.00054986 |
| <i>PCDHB3</i> | -0.2973754 | 4.43E-08 | 0.00054963 |
| <i>AQP1</i> | -0.2973847 | 4.42E-08 | 0.00054912 |
| <i>TMEM74</i> | -0.2974918 | 4.37E-08 | 0.0005428 |
| <i>DCHS2</i> | -0.2976063 | 4.32E-08 | 0.0005362 |
| <i>TMEM132C</i> | -0.2976493 | 4.30E-08 | 0.00053373 |
| <i>CEP70</i> | -0.2976722 | 4.29E-08 | 0.00053245 |
| <i>TGFBR3</i> | -0.2978151 | 4.22E-08 | 0.0005243 |
| <i>SRBD1</i> | -0.2978815 | 4.19E-08 | 0.0005206 |
| <i>EPS8</i> | -0.2978833 | 4.19E-08 | 0.00052054 |
| <i>TOP3A</i> | -0.2979326 | 4.17E-08 | 0.00051779 |
| <i>FGF7</i> | -0.2979781 | 4.15E-08 | 0.00051531 |
| <i>TYMP</i> | -0.2979851 | 4.14E-08 | 0.00051496 |
| <i>RGPD1</i> | -0.2979872 | 4.14E-08 | 0.00051489 |
| <i>TACC2</i> | -0.2980116 | 4.13E-08 | 0.0005136 |
| <i>EMR3</i> | -0.2980591 | 4.11E-08 | 0.00051098 |
| <i>DNAJC16</i> | -0.2982005 | 4.05E-08 | 0.00050328 |
| <i>WDR55</i> | -0.2982013 | 4.05E-08 | 0.00050328 |
| <i>ECSCR</i> | -0.2983044 | 4.00E-08 | 0.0004978 |
| <i>SORCS2</i> | -0.2983241 | 3.99E-08 | 0.00049677 |
| <i>C1orf54</i> | -0.2985525 | 3.89E-08 | 0.0004846 |
| <i>USP33</i> | -0.2985543 | 3.89E-08 | 0.00048454 |
| <i>COX7A1</i> | -0.2986154 | 3.87E-08 | 0.00048139 |
| <i>FAM108B1</i> | -0.2986851 | 3.84E-08 | 0.00047785 |
| <i>GRK5</i> | -0.2987182 | 3.82E-08 | 0.00047616 |
| <i>MRAP2</i> | -0.2987204 | 3.82E-08 | 0.00047609 |
| <i>UNC45A</i> | -0.2987368 | 3.82E-08 | 0.00047535 |
| <i>CD274</i> | -0.2987639 | 3.80E-08 | 0.00047398 |
| <i>TMBIM6</i> | -0.2987913 | 3.79E-08 | 0.00047263 |
| <i>FAM108C1</i> | -0.2987962 | 3.79E-08 | 0.00047242 |

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| <i>MYADM</i> | -0.2987982 | 3.79E-08 | 0.00047235 |
| <i>EGFR</i> | -0.29882 | 3.78E-08 | 0.00047127 |
| <i>RNF121</i> | -0.2988276 | 3.78E-08 | 0.00047091 |
| <i>ALOX15B</i> | -0.2988753 | 3.76E-08 | 0.00046853 |
| <i>RAI2</i> | -0.2989361 | 3.73E-08 | 0.0004655 |
| <i>IFIT1</i> | -0.2990446 | 3.69E-08 | 0.0004601 |
| <i>CPVL</i> | -0.2990449 | 3.69E-08 | 0.0004601 |
| <i>LMBRD1</i> | -0.2990599 | 3.68E-08 | 0.00045938 |
| <i>AJAP1</i> | -0.2990949 | 3.67E-08 | 0.00045769 |
| <i>BEGAIN</i> | -0.2991399 | 3.65E-08 | 0.00045548 |
| <i>LPXN</i> | -0.2991637 | 3.64E-08 | 0.00045433 |
| <i>SIK2</i> | -0.2992462 | 3.61E-08 | 0.00045035 |
| <i>CDK14</i> | -0.2992481 | 3.61E-08 | 0.00045029 |
| <i>C22orf31</i> | -0.2992656 | 3.60E-08 | 0.00044946 |
| <i>MYH15</i> | -0.299357 | 3.56E-08 | 0.00044515 |
| <i>C22orf34</i> | -0.299358 | 3.56E-08 | 0.00044515 |
| <i>HAND1</i> | -0.2993869 | 3.55E-08 | 0.0004438 |
| <i>PNMAL1</i> | -0.2994006 | 3.55E-08 | 0.00044318 |
| <i>SMYD1</i> | -0.2994886 | 3.51E-08 | 0.00043899 |
| <i>ZNF543</i> | -0.2995068 | 3.51E-08 | 0.00043815 |
| <i>C1orf212</i> | -0.2996461 | 3.45E-08 | 0.00043153 |
| <i>ENG</i> | -0.2998709 | 3.37E-08 | 0.00042104 |
| <i>SPATA6</i> | -0.2999034 | 3.36E-08 | 0.00041961 |
| <i>CLIC6</i> | -0.2999472 | 3.34E-08 | 0.00041762 |
| <i>SLC23A2</i> | -0.2999737 | 3.33E-08 | 0.00041644 |
| <i>SEMA6C</i> | -0.3000593 | 3.30E-08 | 0.00041257 |
| <i>IL18BP</i> | -0.3000886 | 3.29E-08 | 0.00041128 |
| <i>SSFA2</i> | -0.3001137 | 3.28E-08 | 0.00041018 |
| <i>SH3GL3</i> | -0.3001843 | 3.26E-08 | 0.00040707 |
| <i>SIRT6</i> | -0.3002086 | 3.25E-08 | 0.00040602 |
| <i>OSBPL5</i> | -0.3002295 | 3.24E-08 | 0.00040511 |
| <i>CLINT1</i> | -0.3002328 | 3.24E-08 | 0.000405 |
| <i>ZSCAN23</i> | -0.3002728 | 3.22E-08 | 0.00040325 |
| <i>ATP2A2</i> | -0.3003346 | 3.20E-08 | 0.00040061 |
| <i>C21orf15</i> | -0.3004267 | 3.17E-08 | 0.00039661 |
| <i>C11orf90</i> | -0.3004624 | 3.16E-08 | 0.00039511 |
| <i>HOXC4</i> | -0.3005258 | 3.13E-08 | 0.00039251 |
| <i>TEKT3</i> | -0.300526 | 3.13E-08 | 0.00039251 |
| <i>CRTC1</i> | -0.3006388 | 3.10E-08 | 0.00038772 |
| <i>ARHGAP26</i> | -0.3006472 | 3.09E-08 | 0.0003874 |
| <i>PCDHA10</i> | -0.3006513 | 3.09E-08 | 0.00038725 |
| <i>MFAP3</i> | -0.3006957 | 3.08E-08 | 0.00038539 |
| <i>DPY19L2</i> | -0.3007097 | 3.07E-08 | 0.00038483 |
| <i>C17orf81</i> | -0.3007254 | 3.07E-08 | 0.0003842 |
| <i>ALPL</i> | -0.3007836 | 3.05E-08 | 0.0003818 |
| <i>SLAMF8</i> | -0.3007855 | 3.05E-08 | 0.00038175 |
| <i>HBM</i> | -0.3007871 | 3.05E-08 | 0.00038171 |
| <i>TNFRSF8</i> | -0.3009612 | 2.99E-08 | 0.00037454 |
| <i>PENK</i> | -0.3010883 | 2.95E-08 | 0.00036938 |
| <i>RTP4</i> | -0.3011356 | 2.93E-08 | 0.00036749 |
| <i>CASQ1</i> | -0.3011794 | 2.92E-08 | 0.00036574 |

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| <i>TIE1</i> | -0.3012769 | 2.89E-08 | 0.00036185 |
| <i>MAEA</i> | -0.3013508 | 2.86E-08 | 0.00035897 |
| <i>MBD2</i> | -0.3014419 | 2.83E-08 | 0.0003554 |
| <i>WFIKKN2</i> | -0.3015307 | 2.81E-08 | 0.00035195 |
| <i>ST6GALNAC2</i> | -0.3015632 | 2.80E-08 | 0.00035075 |
| <i>ARMC8</i> | -0.3016581 | 2.77E-08 | 0.00034717 |
| <i>WHAMML1</i> | -0.3017584 | 2.74E-08 | 0.00034336 |
| <i>SFRP2</i> | -0.3017702 | 2.73E-08 | 0.00034294 |
| <i>NAP1L5</i> | -0.3018226 | 2.72E-08 | 0.00034099 |
| <i>ATN1</i> | -0.3018917 | 2.70E-08 | 0.00033841 |
| <i>C16orf86</i> | -0.3018967 | 2.69E-08 | 0.00033828 |
| <i>VPS37A</i> | -0.3020079 | 2.66E-08 | 0.00033422 |
| <i>LRPAP1</i> | -0.3020129 | 2.66E-08 | 0.00033406 |
| <i>MAP3K13</i> | -0.302014 | 2.66E-08 | 0.00033405 |
| <i>C15orf21</i> | -0.3020484 | 2.65E-08 | 0.00033283 |
| <i>FUT2</i> | -0.3020697 | 2.64E-08 | 0.00033207 |
| <i>SIPA1</i> | -0.3021301 | 2.63E-08 | 0.00032988 |
| <i>PAQR5</i> | -0.3022301 | 2.60E-08 | 0.00032632 |
| <i>TMEM164</i> | -0.3023001 | 2.58E-08 | 0.00032383 |
| <i>ANKRD20A3</i> | -0.3023668 | 2.56E-08 | 0.00032146 |
| <i>DKFZp566F0</i> | -0.3024125 | 2.54E-08 | 0.00031992 |
| <i>GPR110</i> | -0.302425 | 2.54E-08 | 0.0003195 |
| <i>CLK3</i> | -0.3024572 | 2.53E-08 | 0.00031838 |
| <i>NNT</i> | -0.3025274 | 2.51E-08 | 0.00031596 |
| <i>NTAN1</i> | -0.3025537 | 2.51E-08 | 0.00031507 |
| <i>PKP2</i> | -0.3026239 | 2.49E-08 | 0.00031267 |
| <i>FXYD7</i> | -0.3026496 | 2.48E-08 | 0.0003118 |
| <i>CEACAM21</i> | -0.3026564 | 2.48E-08 | 0.00031159 |
| <i>FAM21B</i> | -0.3026837 | 2.47E-08 | 0.00031067 |
| <i>DENND4A</i> | -0.302685 | 2.47E-08 | 0.00031065 |
| <i>ZFP82</i> | -0.3027055 | 2.46E-08 | 0.00030997 |
| <i>CCR3</i> | -0.3027527 | 2.45E-08 | 0.00030838 |
| <i>RNF180</i> | -0.3027763 | 2.44E-08 | 0.00030759 |
| <i>SNX6</i> | -0.3030203 | 2.38E-08 | 0.00029943 |
| <i>SOX7</i> | -0.303046 | 2.37E-08 | 0.00029862 |
| <i>TNFSF13B</i> | -0.3031292 | 2.35E-08 | 0.00029592 |
| <i>TSHZ2</i> | -0.303201 | 2.33E-08 | 0.00029361 |
| <i>SHOX</i> | -0.3032882 | 2.31E-08 | 0.00029085 |
| <i>AURKC</i> | -0.303306 | 2.30E-08 | 0.00029029 |
| <i>QKI</i> | -0.3033226 | 2.30E-08 | 0.00028978 |
| <i>CDA</i> | -0.3033369 | 2.30E-08 | 0.00028935 |
| <i>TECTA</i> | -0.3034011 | 2.28E-08 | 0.00028737 |
| <i>GLT1D1</i> | -0.3034062 | 2.28E-08 | 0.00028723 |
| <i>STAT5A</i> | -0.3034699 | 2.26E-08 | 0.00028522 |
| <i>TANC1</i> | -0.3034992 | 2.26E-08 | 0.00028432 |
| <i>SLC27A3</i> | -0.3035756 | 2.24E-08 | 0.00028193 |
| <i>AKR1C1</i> | -0.3035849 | 2.23E-08 | 0.00028166 |
| <i>C11orf93</i> | -0.3036033 | 2.23E-08 | 0.00028111 |
| <i>LAT</i> | -0.3036873 | 2.21E-08 | 0.00027853 |
| <i>IDS</i> | -0.3037488 | 2.19E-08 | 0.00027665 |
| <i>UBQLNL</i> | -0.3037859 | 2.18E-08 | 0.00027555 |

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| <i>HEY1</i> | -0.3038087 | 2.18E-08 | 0.00027489 |
| <i>C5orf32</i> | -0.3038336 | 2.17E-08 | 0.00027415 |
| <i>RARA</i> | -0.3038803 | 2.16E-08 | 0.00027277 |
| <i>PMM1</i> | -0.3038967 | 2.16E-08 | 0.00027231 |
| <i>CTTNBP2NL</i> | -0.303904 | 2.16E-08 | 0.00027211 |
| <i>C9orf45</i> | -0.3039192 | 2.15E-08 | 0.00027167 |
| <i>HLA-DQA2</i> | -0.3041107 | 2.11E-08 | 0.00026597 |
| <i>RYBP</i> | -0.3041322 | 2.10E-08 | 0.00026537 |
| <i>KLHDC7B</i> | -0.3041926 | 2.09E-08 | 0.00026363 |
| <i>ARF6</i> | -0.3041943 | 2.09E-08 | 0.0002636 |
| <i>FUT6</i> | -0.3043263 | 2.06E-08 | 0.00025976 |
| <i>MYH2</i> | -0.3043357 | 2.05E-08 | 0.00025953 |
| <i>C22orf28</i> | -0.3043393 | 2.05E-08 | 0.00025945 |
| <i>ALOX5</i> | -0.3044385 | 2.03E-08 | 0.00025663 |
| <i>USH1G</i> | -0.3044529 | 2.03E-08 | 0.00025624 |
| <i>GCOM1</i> | -0.3046277 | 1.99E-08 | 0.00025135 |
| <i>LEPREL1</i> | -0.3046549 | 1.98E-08 | 0.00025061 |
| <i>OR2T33</i> | -0.3046628 | 1.98E-08 | 0.00025041 |
| <i>PRRG4</i> | -0.3046651 | 1.98E-08 | 0.00025036 |
| <i>RAB43</i> | -0.3048086 | 1.95E-08 | 0.00024643 |
| <i>CKMT1A</i> | -0.3048839 | 1.93E-08 | 0.00024438 |
| <i>OR51E2</i> | -0.304979 | 1.91E-08 | 0.00024183 |
| <i>FAM123C</i> | -0.3050201 | 1.90E-08 | 0.00024078 |
| <i>HTT</i> | -0.3051053 | 1.88E-08 | 0.00023851 |
| <i>AK7</i> | -0.3051127 | 1.88E-08 | 0.00023833 |
| <i>FKRP</i> | -0.3051613 | 1.87E-08 | 0.00023705 |
| <i>C8orf42</i> | -0.3051733 | 1.87E-08 | 0.00023677 |
| <i>PCM1</i> | -0.3051935 | 1.87E-08 | 0.00023626 |
| <i>KLRD1</i> | -0.3054241 | 1.82E-08 | 0.00023026 |
| <i>SUSD4</i> | -0.3054339 | 1.82E-08 | 0.00023002 |
| <i>C4orf50</i> | -0.3054451 | 1.81E-08 | 0.00022975 |
| <i>DLEC1</i> | -0.3056354 | 1.78E-08 | 0.00022495 |
| <i>THTPA</i> | -0.3056467 | 1.77E-08 | 0.0002247 |
| <i>C2CD4C</i> | -0.3058094 | 1.74E-08 | 0.00022072 |
| <i>CACNA2D3</i> | -0.3058818 | 1.73E-08 | 0.00021896 |
| <i>SLAIN1</i> | -0.3058992 | 1.72E-08 | 0.00021855 |
| <i>EAPP</i> | -0.3060567 | 1.69E-08 | 0.00021477 |
| <i>AKR7A3</i> | -0.3060852 | 1.69E-08 | 0.00021409 |
| <i>PPP3CB</i> | -0.306112 | 1.68E-08 | 0.00021347 |
| <i>GCK</i> | -0.3061681 | 1.67E-08 | 0.00021216 |
| <i>AES</i> | -0.3062003 | 1.67E-08 | 0.00021141 |
| <i>GDE1</i> | -0.3062027 | 1.67E-08 | 0.00021137 |
| <i>SLC35A5</i> | -0.3063706 | 1.63E-08 | 0.00020744 |
| <i>LOC1001327</i> | -0.3064068 | 1.63E-08 | 0.00020661 |
| <i>ZNF512B</i> | -0.3064758 | 1.62E-08 | 0.00020503 |
| <i>RASA4P</i> | -0.3066013 | 1.59E-08 | 0.00020218 |
| <i>JMJD5</i> | -0.3068796 | 1.54E-08 | 0.00019597 |
| <i>CSDE1</i> | -0.3069106 | 1.54E-08 | 0.0001953 |
| <i>ANG</i> | -0.3069222 | 1.54E-08 | 0.00019506 |
| <i>MYO1A</i> | -0.3070292 | 1.52E-08 | 0.00019279 |
| <i>CRYBB1</i> | -0.3070544 | 1.51E-08 | 0.00019227 |

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| <i>CRIP2</i> | -0.3070896 | 1.51E-08 | 0.00019153 |
| <i>TRIM10</i> | -0.3071012 | 1.51E-08 | 0.00019129 |
| <i>CXCR4</i> | -0.3072889 | 1.47E-08 | 0.00018732 |
| <i>ACSF2</i> | -0.3073317 | 1.47E-08 | 0.00018643 |
| <i>GNB4</i> | -0.3074002 | 1.46E-08 | 0.00018502 |
| <i>KCTD21</i> | -0.3075284 | 1.43E-08 | 0.00018242 |
| <i>EFCAB4B</i> | -0.3075831 | 1.43E-08 | 0.00018131 |
| <i>SLC18A1</i> | -0.3077722 | 1.40E-08 | 0.00017755 |
| <i>NDUFV1</i> | -0.3077808 | 1.39E-08 | 0.0001774 |
| <i>KLHL4</i> | -0.3078109 | 1.39E-08 | 0.00017681 |
| <i>NDUFS1</i> | -0.3078564 | 1.38E-08 | 0.00017592 |
| <i>EIF4G3</i> | -0.307858 | 1.38E-08 | 0.0001759 |
| <i>THBS4</i> | -0.3078647 | 1.38E-08 | 0.00017578 |
| <i>UQCRFS1</i> | -0.3080125 | 1.36E-08 | 0.00017292 |
| <i>PLIN3</i> | -0.3080922 | 1.35E-08 | 0.00017139 |
| <i>ST3GAL3</i> | -0.3080932 | 1.35E-08 | 0.00017138 |
| <i>SEC16A</i> | -0.3081329 | 1.34E-08 | 0.00017066 |
| <i>ARSB</i> | -0.3081382 | 1.34E-08 | 0.00017057 |
| <i>FERMT2</i> | -0.3083813 | 1.30E-08 | 0.00016601 |
| <i>TSKS</i> | -0.3083832 | 1.30E-08 | 0.00016599 |
| <i>SLFN13</i> | -0.3084343 | 1.29E-08 | 0.00016506 |
| <i>FLT4</i> | -0.3084847 | 1.29E-08 | 0.00016413 |
| <i>STAC</i> | -0.3085221 | 1.28E-08 | 0.00016345 |
| <i>B3GNT5</i> | -0.3085799 | 1.27E-08 | 0.00016239 |
| <i>ZSWIM7</i> | -0.3085953 | 1.27E-08 | 0.00016212 |
| <i>WLS</i> | -0.3086972 | 1.26E-08 | 0.00016028 |
| <i>RNF123</i> | -0.3087659 | 1.25E-08 | 0.00015907 |
| <i>C5orf53</i> | -0.3087801 | 1.24E-08 | 0.00015883 |
| <i>GPR77</i> | -0.3088953 | 1.23E-08 | 0.00015679 |
| <i>CTSL1</i> | -0.3089482 | 1.22E-08 | 0.00015586 |
| <i>IMPA1</i> | -0.308972 | 1.22E-08 | 0.00015546 |
| <i>C1orf133</i> | -0.3090558 | 1.21E-08 | 0.000154 |
| <i>SLC35A1</i> | -0.3090723 | 1.20E-08 | 0.00015372 |
| <i>MORC3</i> | -0.3090979 | 1.20E-08 | 0.00015329 |
| <i>BCL2L15</i> | -0.3091269 | 1.20E-08 | 0.00015279 |
| <i>VRK3</i> | -0.3091526 | 1.19E-08 | 0.00015236 |
| <i>OLIG1</i> | -0.3093925 | 1.16E-08 | 0.0001483 |
| <i>MRPL35</i> | -0.3095204 | 1.14E-08 | 0.00014618 |
| <i>ZNF98</i> | -0.3095549 | 1.14E-08 | 0.00014562 |
| <i>ARHGEF9</i> | -0.3095728 | 1.14E-08 | 0.00014533 |
| <i>DACH2</i> | -0.3095871 | 1.14E-08 | 0.00014512 |
| <i>LCK</i> | -0.3095913 | 1.13E-08 | 0.00014506 |
| <i>ZMAT3</i> | -0.3096235 | 1.13E-08 | 0.00014454 |
| <i>RUNX3</i> | -0.3096846 | 1.12E-08 | 0.00014356 |
| <i>HHLA2</i> | -0.309686 | 1.12E-08 | 0.00014355 |
| <i>USP53</i> | -0.3097459 | 1.12E-08 | 0.00014259 |
| <i>PTGFR</i> | -0.3098797 | 1.10E-08 | 0.00014044 |
| <i>TMEM30A</i> | -0.3099105 | 1.09E-08 | 0.00013996 |
| <i>NOV</i> | -0.3099562 | 1.09E-08 | 0.00013924 |
| <i>ADM</i> | -0.3099853 | 1.09E-08 | 0.00013879 |
| <i>LOC84989</i> | -0.3100126 | 1.08E-08 | 0.00013839 |

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| <i>CPB1</i> | -0.3100336 | 1.08E-08 | 0.00013807 |
| <i>PLCL1</i> | -0.3101528 | 1.06E-08 | 0.00013624 |
| <i>CD5</i> | -0.3102533 | 1.05E-08 | 0.00013474 |
| <i>SNX30</i> | -0.3102613 | 1.05E-08 | 0.00013462 |
| <i>VAMP5</i> | -0.310329 | 1.04E-08 | 0.00013361 |
| <i>STAP2</i> | -0.3103321 | 1.04E-08 | 0.00013357 |
| <i>SLC14A2</i> | -0.3104095 | 1.03E-08 | 0.0001324 |
| <i>SLC20A2</i> | -0.310519 | 1.02E-08 | 0.00013081 |
| <i>BAHCC1</i> | -0.3105235 | 1.02E-08 | 0.00013075 |
| <i>HEATR5B</i> | -0.3106314 | 1.01E-08 | 0.00012917 |
| <i>GBP3</i> | -0.3106447 | 1.01E-08 | 0.00012898 |
| <i>DMPK</i> | -0.3106676 | 1.00E-08 | 0.00012867 |
| <i>C12orf77</i> | -0.3107056 | 9.99E-09 | 0.00012812 |
| <i>ZBTB34</i> | -0.3107517 | 9.94E-09 | 0.00012747 |
| <i>ARC</i> | -0.3107862 | 9.90E-09 | 0.00012698 |
| <i>SNX9</i> | -0.3108005 | 9.89E-09 | 0.00012679 |
| <i>RETNLB</i> | -0.310813 | 9.87E-09 | 0.00012662 |
| <i>PLVAP</i> | -0.310944 | 9.72E-09 | 0.00012476 |
| <i>HBG1</i> | -0.310961 | 9.71E-09 | 0.00012453 |
| <i>OPN3</i> | -0.3109684 | 9.70E-09 | 0.00012443 |
| <i>AHCYL1</i> | -0.3110657 | 9.59E-09 | 0.00012308 |
| <i>CDKL2</i> | -0.311137 | 9.51E-09 | 0.00012209 |
| <i>MYL12A</i> | -0.3111516 | 9.50E-09 | 0.00012189 |
| <i>ZBTB46</i> | -0.3111845 | 9.46E-09 | 0.00012144 |
| <i>INPP5B</i> | -0.311246 | 9.39E-09 | 0.00012062 |
| <i>FAM106C</i> | -0.3113684 | 9.26E-09 | 0.00011894 |
| <i>ADH6</i> | -0.3113867 | 9.24E-09 | 0.00011871 |
| <i>C8orf58</i> | -0.3114616 | 9.16E-09 | 0.00011771 |
| <i>BLOC1S1</i> | -0.3115335 | 9.09E-09 | 0.00011675 |
| <i>KIAA0319L</i> | -0.3115836 | 9.04E-09 | 0.0001161 |
| <i>C17orf62</i> | -0.3116244 | 8.99E-09 | 0.00011556 |
| <i>SLC16A2</i> | -0.3118489 | 8.76E-09 | 0.00011266 |
| <i>SLC10A5</i> | -0.3118698 | 8.74E-09 | 0.00011239 |
| <i>SCN4A</i> | -0.3118712 | 8.74E-09 | 0.00011238 |
| <i>KMO</i> | -0.3120344 | 8.58E-09 | 0.00011033 |
| <i>ABO</i> | -0.3121382 | 8.48E-09 | 0.00010904 |
| <i>CD93</i> | -0.3121653 | 8.45E-09 | 0.00010872 |
| <i>WHAMM</i> | -0.3121774 | 8.44E-09 | 0.00010859 |
| <i>SH3BP5</i> | -0.3122859 | 8.34E-09 | 0.00010725 |
| <i>ADAMTS10</i> | -0.3124324 | 8.20E-09 | 0.00010548 |
| <i>OLFML3</i> | -0.3124512 | 8.18E-09 | 0.00010527 |
| <i>FAM180A</i> | -0.3124684 | 8.16E-09 | 0.00010507 |
| <i>GOLGB1</i> | -0.3124822 | 8.15E-09 | 0.00010492 |
| <i>FAM162A</i> | -0.3125183 | 8.12E-09 | 0.00010451 |
| <i>SDHD</i> | -0.3125526 | 8.08E-09 | 0.0001041 |
| <i>ZNF45</i> | -0.3126161 | 8.02E-09 | 0.00010335 |
| <i>ZNF225</i> | -0.3126694 | 7.97E-09 | 0.00010272 |
| <i>ACHE</i> | -0.3126955 | 7.95E-09 | 0.00010242 |
| <i>NRARP</i> | -0.3127321 | 7.92E-09 | 0.00010201 |
| <i>CYP2C8</i> | -0.3127833 | 7.87E-09 | 0.00010142 |
| <i>BEND6</i> | -0.3128769 | 7.79E-09 | 0.00010033 |

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| <i>ATPAF2</i> | -0.312921 | 7.75E-09 | 9.98E-05 |
| <i>METTL14</i> | -0.3129601 | 7.71E-09 | 9.94E-05 |
| <i>IPO13</i> | -0.3130464 | 7.64E-09 | 9.84E-05 |
| <i>TMEM169</i> | -0.3130682 | 7.62E-09 | 9.82E-05 |
| <i>KIAA1967</i> | -0.3131978 | 7.50E-09 | 9.67E-05 |
| <i>EVC</i> | -0.313199 | 7.50E-09 | 9.67E-05 |
| <i>LAMA3</i> | -0.3132019 | 7.50E-09 | 9.67E-05 |
| <i>ROBO3</i> | -0.3132021 | 7.50E-09 | 9.67E-05 |
| <i>ZNF134</i> | -0.3133591 | 7.36E-09 | 9.50E-05 |
| <i>COL6A2</i> | -0.3133847 | 7.34E-09 | 9.47E-05 |
| <i>LILRB2</i> | -0.3134788 | 7.26E-09 | 9.37E-05 |
| <i>GPC6</i> | -0.3135786 | 7.18E-09 | 9.27E-05 |
| <i>MOV10</i> | -0.3136421 | 7.13E-09 | 9.20E-05 |
| <i>ERBB2IP</i> | -0.3136986 | 7.08E-09 | 9.14E-05 |
| <i>CBLN3</i> | -0.3136988 | 7.08E-09 | 9.14E-05 |
| <i>PKD1</i> | -0.3139419 | 6.88E-09 | 8.89E-05 |
| <i>ANKRD20B</i> | -0.3140377 | 6.81E-09 | 8.79E-05 |
| <i>C14orf28</i> | -0.3140698 | 6.78E-09 | 8.76E-05 |
| <i>PDGFRL</i> | -0.3142858 | 6.62E-09 | 8.55E-05 |
| <i>HLA-DRB5</i> | -0.3143125 | 6.59E-09 | 8.52E-05 |
| <i>TBXA2R</i> | -0.3143867 | 6.54E-09 | 8.45E-05 |
| <i>TPPP2</i> | -0.3145093 | 6.45E-09 | 8.33E-05 |
| <i>ETFA</i> | -0.3145752 | 6.40E-09 | 8.27E-05 |
| <i>MUC13</i> | -0.3145797 | 6.39E-09 | 8.27E-05 |
| <i>AKAP2</i> | -0.3146985 | 6.31E-09 | 8.16E-05 |
| <i>GPR31</i> | -0.3147014 | 6.30E-09 | 8.15E-05 |
| <i>TMCO4</i> | -0.314745 | 6.27E-09 | 8.11E-05 |
| <i>CD34</i> | -0.3147479 | 6.27E-09 | 8.11E-05 |
| <i>SNAP23</i> | -0.3148257 | 6.21E-09 | 8.04E-05 |
| <i>SLC25A24</i> | -0.3149973 | 6.09E-09 | 7.88E-05 |
| <i>SMARCD3</i> | -0.3150028 | 6.09E-09 | 7.88E-05 |
| <i>LRP1B</i> | -0.3150043 | 6.09E-09 | 7.88E-05 |
| <i>SPATA20</i> | -0.3150191 | 6.08E-09 | 7.86E-05 |
| <i>PRUNE2</i> | -0.3150634 | 6.04E-09 | 7.82E-05 |
| <i>CST7</i> | -0.3150965 | 6.02E-09 | 7.79E-05 |
| <i>FRS2</i> | -0.3151764 | 5.96E-09 | 7.72E-05 |
| <i>CLEC2B</i> | -0.3152645 | 5.90E-09 | 7.65E-05 |
| <i>LRIG3</i> | -0.3153837 | 5.82E-09 | 7.54E-05 |
| <i>GORASP1</i> | -0.3153908 | 5.82E-09 | 7.54E-05 |
| <i>KRT14</i> | -0.3154116 | 5.80E-09 | 7.52E-05 |
| <i>SOX13</i> | -0.315416 | 5.80E-09 | 7.51E-05 |
| <i>DYSF</i> | -0.3154549 | 5.77E-09 | 7.48E-05 |
| <i>DCI</i> | -0.3154726 | 5.76E-09 | 7.47E-05 |
| <i>C10orf90</i> | -0.3155282 | 5.73E-09 | 7.42E-05 |
| <i>PCDHB1</i> | -0.3155469 | 5.71E-09 | 7.40E-05 |
| <i>TGFB1</i> | -0.3158413 | 5.52E-09 | 7.16E-05 |
| <i>C12orf26</i> | -0.3160121 | 5.41E-09 | 7.02E-05 |
| <i>AKT3</i> | -0.3160172 | 5.41E-09 | 7.01E-05 |
| <i>PALMD</i> | -0.3160194 | 5.41E-09 | 7.01E-05 |
| <i>LOC115110</i> | -0.3162174 | 5.28E-09 | 6.85E-05 |
| <i>ST3GAL5</i> | -0.3162188 | 5.28E-09 | 6.85E-05 |

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| <i>ACBD4</i> | -0.3163297 | 5.21E-09 | 6.76E-05 |
| <i>GOLGA2</i> | -0.3163998 | 5.17E-09 | 6.71E-05 |
| <i>ERMAP</i> | -0.3164628 | 5.13E-09 | 6.66E-05 |
| <i>LOC144571</i> | -0.3164877 | 5.12E-09 | 6.64E-05 |
| <i>PDXP</i> | -0.3165392 | 5.09E-09 | 6.60E-05 |
| <i>NCRNA0011</i> | -0.3165871 | 5.06E-09 | 6.57E-05 |
| <i>OSGIN1</i> | -0.3166193 | 5.04E-09 | 6.54E-05 |
| <i>HR</i> | -0.3167109 | 4.99E-09 | 6.47E-05 |
| <i>A2BP1</i> | -0.3167114 | 4.99E-09 | 6.47E-05 |
| <i>THRB</i> | -0.3167124 | 4.99E-09 | 6.47E-05 |
| <i>ZNF654</i> | -0.3168232 | 4.92E-09 | 6.39E-05 |
| <i>USP44</i> | -0.3169409 | 4.85E-09 | 6.31E-05 |
| <i>ADAMTS8</i> | -0.3170039 | 4.82E-09 | 6.26E-05 |
| <i>TPCN2</i> | -0.3170046 | 4.82E-09 | 6.26E-05 |
| <i>C6orf47</i> | -0.3170449 | 4.80E-09 | 6.23E-05 |
| <i>KRBA1</i> | -0.3170727 | 4.78E-09 | 6.21E-05 |
| <i>SMAD3</i> | -0.3170938 | 4.77E-09 | 6.20E-05 |
| <i>C3</i> | -0.3171587 | 4.73E-09 | 6.15E-05 |
| <i>ZFYVE19</i> | -0.31718 | 4.72E-09 | 6.14E-05 |
| <i>TIMD4</i> | -0.3172091 | 4.70E-09 | 6.12E-05 |
| <i>CA8</i> | -0.3172171 | 4.70E-09 | 6.11E-05 |
| <i>EFHA2</i> | -0.3172271 | 4.69E-09 | 6.10E-05 |
| <i>YIPF1</i> | -0.3172623 | 4.67E-09 | 6.08E-05 |
| <i>SGEF</i> | -0.3173631 | 4.62E-09 | 6.01E-05 |
| <i>SV2A</i> | -0.3173899 | 4.61E-09 | 5.99E-05 |
| <i>E2F2</i> | -0.3174226 | 4.59E-09 | 5.97E-05 |
| <i>SLC6A12</i> | -0.3174309 | 4.58E-09 | 5.96E-05 |
| <i>FAM26F</i> | -0.3174502 | 4.57E-09 | 5.95E-05 |
| <i>ITIH4</i> | -0.3174681 | 4.56E-09 | 5.94E-05 |
| <i>UBB</i> | -0.3175398 | 4.53E-09 | 5.89E-05 |
| <i>NBPF7</i> | -0.317544 | 4.52E-09 | 5.89E-05 |
| <i>SLC35B3</i> | -0.3176352 | 4.47E-09 | 5.83E-05 |
| <i>TBPL2</i> | -0.3176683 | 4.46E-09 | 5.80E-05 |
| <i>WHAMML2</i> | -0.3176752 | 4.45E-09 | 5.80E-05 |
| <i>ARID3B</i> | -0.3176807 | 4.45E-09 | 5.80E-05 |
| <i>RASGRP3</i> | -0.3177802 | 4.40E-09 | 5.73E-05 |
| <i>B4GALT4</i> | -0.317822 | 4.38E-09 | 5.70E-05 |
| <i>UTRN</i> | -0.3178684 | 4.35E-09 | 5.67E-05 |
| <i>CYGB</i> | -0.3179661 | 4.30E-09 | 5.61E-05 |
| <i>LRRC18</i> | -0.3179982 | 4.29E-09 | 5.59E-05 |
| <i>STX5</i> | -0.3180204 | 4.28E-09 | 5.57E-05 |
| <i>ZNF521</i> | -0.318139 | 4.22E-09 | 5.50E-05 |
| <i>MCART6</i> | -0.318193 | 4.19E-09 | 5.46E-05 |
| <i>LST1</i> | -0.3184207 | 4.08E-09 | 5.32E-05 |
| <i>FAM124B</i> | -0.3184307 | 4.07E-09 | 5.31E-05 |
| <i>ZNF354C</i> | -0.3184618 | 4.06E-09 | 5.30E-05 |
| <i>LIPA</i> | -0.3184828 | 4.05E-09 | 5.28E-05 |
| <i>LTA</i> | -0.3185404 | 4.02E-09 | 5.25E-05 |
| <i>ZNF747</i> | -0.3186166 | 3.99E-09 | 5.20E-05 |
| <i>PCK1</i> | -0.318664 | 3.96E-09 | 5.17E-05 |
| <i>NTF3</i> | -0.3186909 | 3.95E-09 | 5.16E-05 |

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| <i>C3orf18</i> | -0.3188249 | 3.89E-09 | 5.08E-05 |
| <i>IL18</i> | -0.3188402 | 3.88E-09 | 5.07E-05 |
| <i>GNAI2</i> | -0.3189972 | 3.81E-09 | 4.98E-05 |
| <i>MLPH</i> | -0.3190119 | 3.81E-09 | 4.97E-05 |
| <i>DTNA</i> | -0.3190271 | 3.80E-09 | 4.96E-05 |
| <i>ZNF677</i> | -0.319095 | 3.77E-09 | 4.92E-05 |
| <i>KIAA0100</i> | -0.3191104 | 3.76E-09 | 4.91E-05 |
| <i>TAGLN</i> | -0.3191974 | 3.72E-09 | 4.86E-05 |
| <i>MUC1</i> | -0.3192467 | 3.70E-09 | 4.83E-05 |
| <i>B3GNT8</i> | -0.3192644 | 3.69E-09 | 4.82E-05 |
| <i>TNFRSF14</i> | -0.3193472 | 3.66E-09 | 4.78E-05 |
| <i>C14orf50</i> | -0.3193566 | 3.65E-09 | 4.77E-05 |
| <i>HIVEP1</i> | -0.3194119 | 3.63E-09 | 4.74E-05 |
| <i>MSN</i> | -0.3194496 | 3.61E-09 | 4.72E-05 |
| <i>TMEM167B</i> | -0.3196306 | 3.54E-09 | 4.62E-05 |
| <i>UBASH3B</i> | -0.3196412 | 3.53E-09 | 4.62E-05 |
| <i>TCIRG1</i> | -0.3197141 | 3.50E-09 | 4.58E-05 |
| <i>IL1RL1</i> | -0.3198029 | 3.47E-09 | 4.53E-05 |
| <i>ITM2B</i> | -0.3198785 | 3.43E-09 | 4.49E-05 |
| <i>C12orf68</i> | -0.3199014 | 3.43E-09 | 4.48E-05 |
| <i>LOC728989</i> | -0.3199203 | 3.42E-09 | 4.47E-05 |
| <i>HIST1H3H</i> | -0.3199978 | 3.39E-09 | 4.43E-05 |
| <i>TUSC3</i> | -0.3201143 | 3.34E-09 | 4.37E-05 |
| <i>C3orf36</i> | -0.3201622 | 3.32E-09 | 4.35E-05 |
| <i>TF</i> | -0.3204361 | 3.21E-09 | 4.21E-05 |
| <i>LOC338758</i> | -0.3205394 | 3.18E-09 | 4.16E-05 |
| <i>SH3BGRL2</i> | -0.3205552 | 3.17E-09 | 4.15E-05 |
| <i>WBSCR17</i> | -0.3206293 | 3.14E-09 | 4.12E-05 |
| <i>IL3RA</i> | -0.32066 | 3.13E-09 | 4.10E-05 |
| <i>RASL12</i> | -0.3206957 | 3.12E-09 | 4.08E-05 |
| <i>CD2AP</i> | -0.3207982 | 3.08E-09 | 4.04E-05 |
| <i>TFEC</i> | -0.320955 | 3.02E-09 | 3.96E-05 |
| <i>DYRK1A</i> | -0.3210099 | 3.00E-09 | 3.94E-05 |
| <i>AGL</i> | -0.3211051 | 2.97E-09 | 3.89E-05 |
| <i>CSK</i> | -0.3211683 | 2.95E-09 | 3.87E-05 |
| <i>KBTBD5</i> | -0.3211688 | 2.95E-09 | 3.87E-05 |
| <i>ARHGAP22</i> | -0.3211693 | 2.95E-09 | 3.87E-05 |
| <i>TLE1</i> | -0.3213117 | 2.90E-09 | 3.80E-05 |
| <i>FTH1</i> | -0.3213233 | 2.89E-09 | 3.80E-05 |
| <i>SPEN</i> | -0.3213322 | 2.89E-09 | 3.79E-05 |
| <i>TAPBPL</i> | -0.3213369 | 2.89E-09 | 3.79E-05 |
| <i>MIB2</i> | -0.3214021 | 2.87E-09 | 3.76E-05 |
| <i>FKBP15</i> | -0.3214373 | 2.85E-09 | 3.75E-05 |
| <i>GNS</i> | -0.3214432 | 2.85E-09 | 3.74E-05 |
| <i>PLA2G5</i> | -0.321554 | 2.81E-09 | 3.69E-05 |
| <i>LAMB2</i> | -0.3215639 | 2.81E-09 | 3.69E-05 |
| <i>CSRNP1</i> | -0.3216218 | 2.79E-09 | 3.67E-05 |
| <i>GPRC5B</i> | -0.3216432 | 2.78E-09 | 3.66E-05 |
| <i>HLA-DRB1</i> | -0.3216565 | 2.78E-09 | 3.65E-05 |
| <i>ZIM2</i> | -0.3217091 | 2.76E-09 | 3.63E-05 |
| <i>FAM132A</i> | -0.3218443 | 2.72E-09 | 3.57E-05 |

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| <i>SS18</i> | -0.3218883 | 2.70E-09 | 3.55E-05 |
| <i>GPR141</i> | -0.3218921 | 2.70E-09 | 3.55E-05 |
| <i>ZNF546</i> | -0.3219896 | 2.67E-09 | 3.51E-05 |
| <i>ARAF</i> | -0.3220015 | 2.67E-09 | 3.51E-05 |
| <i>RNPEP</i> | -0.3222293 | 2.60E-09 | 3.41E-05 |
| <i>CTBS</i> | -0.322256 | 2.59E-09 | 3.40E-05 |
| <i>LAMA2</i> | -0.3222707 | 2.58E-09 | 3.40E-05 |
| <i>DICER1</i> | -0.3222777 | 2.58E-09 | 3.39E-05 |
| <i>LPAR5</i> | -0.3223116 | 2.57E-09 | 3.38E-05 |
| <i>SERTAD1</i> | -0.3223186 | 2.57E-09 | 3.38E-05 |
| <i>HRH2</i> | -0.3224279 | 2.54E-09 | 3.34E-05 |
| <i>ADNP2</i> | -0.3224838 | 2.52E-09 | 3.31E-05 |
| <i>GTF2A1</i> | -0.3224962 | 2.52E-09 | 3.31E-05 |
| <i>UHMK1</i> | -0.3225397 | 2.50E-09 | 3.29E-05 |
| <i>COL4A3</i> | -0.3225527 | 2.50E-09 | 3.29E-05 |
| <i>GPR107</i> | -0.3225711 | 2.49E-09 | 3.28E-05 |
| <i>KIAA1462</i> | -0.3226098 | 2.48E-09 | 3.27E-05 |
| <i>AMPH</i> | -0.3226339 | 2.47E-09 | 3.26E-05 |
| <i>GAB2</i> | -0.3228259 | 2.42E-09 | 3.18E-05 |
| <i>ACOT2</i> | -0.3228969 | 2.40E-09 | 3.16E-05 |
| <i>B3GAT1</i> | -0.3230433 | 2.36E-09 | 3.10E-05 |
| <i>SIT1</i> | -0.3231031 | 2.34E-09 | 3.08E-05 |
| <i>PGLYRP1</i> | -0.3231079 | 2.34E-09 | 3.08E-05 |
| <i>PGRMC2</i> | -0.3233029 | 2.28E-09 | 3.01E-05 |
| <i>ST6GALNAC</i> | -0.3233266 | 2.28E-09 | 3.00E-05 |
| <i>TMEM53</i> | -0.3233284 | 2.28E-09 | 3.00E-05 |
| <i>ATXN7</i> | -0.3234159 | 2.25E-09 | 2.97E-05 |
| <i>TRPM6</i> | -0.3234909 | 2.23E-09 | 2.94E-05 |
| <i>CSPG4</i> | -0.3236029 | 2.20E-09 | 2.90E-05 |
| <i>SIRT7</i> | -0.3236805 | 2.18E-09 | 2.88E-05 |
| <i>ALDH1A1</i> | -0.3237696 | 2.16E-09 | 2.85E-05 |
| <i>CNKSRR3</i> | -0.323854 | 2.14E-09 | 2.82E-05 |
| <i>IGSF21</i> | -0.3238815 | 2.13E-09 | 2.81E-05 |
| <i>PTGR1</i> | -0.3239134 | 2.12E-09 | 2.80E-05 |
| <i>MCTP1</i> | -0.3239343 | 2.12E-09 | 2.79E-05 |
| <i>LOC151174</i> | -0.3241143 | 2.07E-09 | 2.73E-05 |
| <i>GNG8</i> | -0.3241171 | 2.07E-09 | 2.73E-05 |
| <i>SLC10A4</i> | -0.3241207 | 2.07E-09 | 2.73E-05 |
| <i>SLC15A2</i> | -0.3241569 | 2.06E-09 | 2.72E-05 |
| <i>PGA5</i> | -0.3241634 | 2.06E-09 | 2.72E-05 |
| <i>KRT19</i> | -0.3241824 | 2.05E-09 | 2.71E-05 |
| <i>NECAB2</i> | -0.3241854 | 2.05E-09 | 2.71E-05 |
| <i>FAM120AOS</i> | -0.3241905 | 2.05E-09 | 2.71E-05 |
| <i>NOL4</i> | -0.3243217 | 2.02E-09 | 2.67E-05 |
| <i>KLRC3</i> | -0.3243865 | 2.00E-09 | 2.65E-05 |
| <i>LMAN1L</i> | -0.3244571 | 1.99E-09 | 2.63E-05 |
| <i>SH3KBP1</i> | -0.3245053 | 1.98E-09 | 2.61E-05 |
| <i>EIF4EBP2</i> | -0.3248682 | 1.89E-09 | 2.50E-05 |
| <i>GATA3</i> | -0.3249089 | 1.88E-09 | 2.49E-05 |
| <i>PIGZ</i> | -0.3249133 | 1.88E-09 | 2.49E-05 |
| <i>PIP4K2C</i> | -0.3249431 | 1.87E-09 | 2.48E-05 |

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| <i>CSNK1D</i> | -0.3249468 | 1.87E-09 | 2.48E-05 |
| <i>GAS2L2</i> | -0.3249542 | 1.87E-09 | 2.48E-05 |
| <i>TMOD3</i> | -0.3249902 | 1.86E-09 | 2.47E-05 |
| <i>P2RY2</i> | -0.3249936 | 1.86E-09 | 2.47E-05 |
| <i>ARAP1</i> | -0.3250151 | 1.86E-09 | 2.46E-05 |
| <i>SLC9A3</i> | -0.3250374 | 1.85E-09 | 2.45E-05 |
| <i>OSTBETA</i> | -0.3250931 | 1.84E-09 | 2.44E-05 |
| <i>FAM189A1</i> | -0.3251213 | 1.84E-09 | 2.43E-05 |
| <i>DIRAS3</i> | -0.3252875 | 1.80E-09 | 2.38E-05 |
| <i>FRMD4A</i> | -0.3253356 | 1.79E-09 | 2.37E-05 |
| <i>POU3F4</i> | -0.3253593 | 1.78E-09 | 2.36E-05 |
| <i>ITGB1BP3</i> | -0.3254163 | 1.77E-09 | 2.35E-05 |
| <i>GIPC1</i> | -0.3258562 | 1.68E-09 | 2.23E-05 |
| <i>MITF</i> | -0.3259896 | 1.65E-09 | 2.19E-05 |
| <i>LOC92973</i> | -0.3261118 | 1.63E-09 | 2.16E-05 |
| <i>LY96</i> | -0.3262011 | 1.61E-09 | 2.14E-05 |
| <i>PPIC</i> | -0.32629 | 1.59E-09 | 2.11E-05 |
| <i>RGS6</i> | -0.326303 | 1.59E-09 | 2.11E-05 |
| <i>TAPBP</i> | -0.3263452 | 1.58E-09 | 2.10E-05 |
| <i>SLITRK1</i> | -0.3263462 | 1.58E-09 | 2.10E-05 |
| <i>SSC5D</i> | -0.326375 | 1.58E-09 | 2.09E-05 |
| <i>PARP12</i> | -0.3263837 | 1.58E-09 | 2.09E-05 |
| <i>CLEC1A</i> | -0.3264499 | 1.56E-09 | 2.07E-05 |
| <i>CYP46A1</i> | -0.3265328 | 1.55E-09 | 2.05E-05 |
| <i>ZNF395</i> | -0.3265411 | 1.55E-09 | 2.05E-05 |
| <i>MAP3K14</i> | -0.3265635 | 1.54E-09 | 2.05E-05 |
| <i>NEUROG3</i> | -0.3265921 | 1.54E-09 | 2.04E-05 |
| <i>USP34</i> | -0.3266582 | 1.52E-09 | 2.02E-05 |
| <i>C6orf136</i> | -0.3266821 | 1.52E-09 | 2.02E-05 |
| <i>PLAT</i> | -0.3267067 | 1.51E-09 | 2.01E-05 |
| <i>EFHD1</i> | -0.3267083 | 1.51E-09 | 2.01E-05 |
| <i>C22orf33</i> | -0.3267356 | 1.51E-09 | 2.01E-05 |
| <i>LOC90586</i> | -0.3268223 | 1.49E-09 | 1.99E-05 |
| <i>VASP</i> | -0.3269352 | 1.47E-09 | 1.96E-05 |
| <i>GPR149</i> | -0.3269735 | 1.47E-09 | 1.95E-05 |
| <i>LBXCOR1</i> | -0.3269956 | 1.46E-09 | 1.94E-05 |
| <i>HRNBP3</i> | -0.3270949 | 1.44E-09 | 1.92E-05 |
| <i>FAM108A1</i> | -0.3271706 | 1.43E-09 | 1.90E-05 |
| <i>EIF2C4</i> | -0.3272092 | 1.42E-09 | 1.90E-05 |
| <i>CCR1</i> | -0.3273094 | 1.41E-09 | 1.87E-05 |
| <i>DGKB</i> | -0.327324 | 1.41E-09 | 1.87E-05 |
| <i>PDXDC1</i> | -0.3273377 | 1.40E-09 | 1.87E-05 |
| <i>IPP</i> | -0.3273646 | 1.40E-09 | 1.86E-05 |
| <i>FUT3</i> | -0.3273907 | 1.39E-09 | 1.86E-05 |
| <i>ZEB1</i> | -0.3274149 | 1.39E-09 | 1.85E-05 |
| <i>CCDC87</i> | -0.3274191 | 1.39E-09 | 1.85E-05 |
| <i>LOC1001267</i> | -0.3275598 | 1.37E-09 | 1.82E-05 |
| <i>ADAM23</i> | -0.327566 | 1.36E-09 | 1.82E-05 |
| <i>KLHL22</i> | -0.3277171 | 1.34E-09 | 1.78E-05 |
| <i>SLFN11</i> | -0.3277251 | 1.34E-09 | 1.78E-05 |
| <i>CAT</i> | -0.3277371 | 1.34E-09 | 1.78E-05 |

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| <i>PCDHB5</i> | -0.3277427 | 1.34E-09 | 1.78E-05 |
| <i>GCGR</i> | -0.3279148 | 1.31E-09 | 1.74E-05 |
| <i>FOXA1</i> | -0.3280356 | 1.29E-09 | 1.72E-05 |
| <i>GPC5</i> | -0.3282652 | 1.25E-09 | 1.67E-05 |
| <i>SP1</i> | -0.3282797 | 1.25E-09 | 1.67E-05 |
| <i>NMUR1</i> | -0.3283448 | 1.24E-09 | 1.65E-05 |
| <i>NOTO</i> | -0.3283956 | 1.23E-09 | 1.64E-05 |
| <i>FAM110C</i> | -0.3284289 | 1.23E-09 | 1.64E-05 |
| <i>LOC1001301</i> | -0.3284727 | 1.22E-09 | 1.63E-05 |
| <i>LOC441869</i> | -0.3286729 | 1.19E-09 | 1.59E-05 |
| <i>OR2S2</i> | -0.3286849 | 1.19E-09 | 1.59E-05 |
| <i>STRN3</i> | -0.328762 | 1.18E-09 | 1.57E-05 |
| <i>TP63</i> | -0.3289194 | 1.16E-09 | 1.54E-05 |
| <i>RAP1GAP</i> | -0.328926 | 1.16E-09 | 1.54E-05 |
| <i>PCYT1A</i> | -0.3290138 | 1.14E-09 | 1.53E-05 |
| <i>NR1H3</i> | -0.3290293 | 1.14E-09 | 1.52E-05 |
| <i>COL4A5</i> | -0.3290306 | 1.14E-09 | 1.52E-05 |
| <i>ARHGEF16</i> | -0.329104 | 1.13E-09 | 1.51E-05 |
| <i>KCNJ9</i> | -0.329114 | 1.13E-09 | 1.51E-05 |
| <i>CRYZL1</i> | -0.3291207 | 1.13E-09 | 1.51E-05 |
| <i>RND2</i> | -0.3291885 | 1.12E-09 | 1.50E-05 |
| <i>CRLF1</i> | -0.329226 | 1.11E-09 | 1.49E-05 |
| <i>TIMP2</i> | -0.3292804 | 1.11E-09 | 1.48E-05 |
| <i>CIDEA</i> | -0.3293716 | 1.09E-09 | 1.46E-05 |
| <i>C18orf1</i> | -0.3294345 | 1.09E-09 | 1.45E-05 |
| <i>AP4E1</i> | -0.3296759 | 1.05E-09 | 1.41E-05 |
| <i>C13orf36</i> | -0.3296941 | 1.05E-09 | 1.41E-05 |
| <i>JAKMIP2</i> | -0.3297845 | 1.04E-09 | 1.39E-05 |
| <i>C9orf66</i> | -0.3298459 | 1.03E-09 | 1.38E-05 |
| <i>C5orf39</i> | -0.3298476 | 1.03E-09 | 1.38E-05 |
| <i>C1orf190</i> | -0.329874 | 1.03E-09 | 1.38E-05 |
| <i>ABCA3</i> | -0.3298907 | 1.03E-09 | 1.37E-05 |
| <i>CMPK2</i> | -0.3301318 | 9.97E-10 | 1.34E-05 |
| <i>ACSM1</i> | -0.3301407 | 9.96E-10 | 1.33E-05 |
| <i>FAM8A1</i> | -0.3301842 | 9.90E-10 | 1.33E-05 |
| <i>TNNI2</i> | -0.3302008 | 9.88E-10 | 1.32E-05 |
| <i>TRIM22</i> | -0.3304146 | 9.63E-10 | 1.29E-05 |
| <i>TFIP11</i> | -0.3304775 | 9.55E-10 | 1.28E-05 |
| <i>RABAC1</i> | -0.3305101 | 9.51E-10 | 1.28E-05 |
| <i>C6orf59</i> | -0.3305979 | 9.41E-10 | 1.26E-05 |
| <i>TSPAN32</i> | -0.3306182 | 9.39E-10 | 1.26E-05 |
| <i>GOLPH3L</i> | -0.3306212 | 9.38E-10 | 1.26E-05 |
| <i>PECAM1</i> | -0.3307791 | 9.20E-10 | 1.23E-05 |
| <i>ARL4D</i> | -0.3308168 | 9.16E-10 | 1.23E-05 |
| <i>IFI35</i> | -0.3308381 | 9.14E-10 | 1.23E-05 |
| <i>OSR2</i> | -0.3309367 | 9.03E-10 | 1.21E-05 |
| <i>HLA-H</i> | -0.3310116 | 8.94E-10 | 1.20E-05 |
| <i>DHX58</i> | -0.3310259 | 8.93E-10 | 1.20E-05 |
| <i>SIN3A</i> | -0.3310357 | 8.92E-10 | 1.20E-05 |
| <i>HLA-DQB2</i> | -0.3311559 | 8.79E-10 | 1.18E-05 |
| <i>DRD5</i> | -0.3311844 | 8.76E-10 | 1.18E-05 |

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| <i>LACTB</i> | -0.3312603 | 8.67E-10 | 1.16E-05 |
| <i>NCK1</i> | -0.3313062 | 8.62E-10 | 1.16E-05 |
| <i>BMP8B</i> | -0.3313485 | 8.58E-10 | 1.15E-05 |
| <i>IRAK3</i> | -0.3313802 | 8.55E-10 | 1.15E-05 |
| <i>UQCRC1</i> | -0.3314113 | 8.51E-10 | 1.14E-05 |
| <i>C11orf92</i> | -0.3314495 | 8.47E-10 | 1.14E-05 |
| <i>LOC1001295</i> | -0.3315041 | 8.42E-10 | 1.13E-05 |
| <i>SETD1B</i> | -0.3316391 | 8.28E-10 | 1.11E-05 |
| <i>TIGIT</i> | -0.3316635 | 8.25E-10 | 1.11E-05 |
| <i>ERG</i> | -0.3317095 | 8.21E-10 | 1.10E-05 |
| <i>SRI</i> | -0.3317254 | 8.19E-10 | 1.10E-05 |
| <i>CDHR2</i> | -0.3317313 | 8.18E-10 | 1.10E-05 |
| <i>ACO1</i> | -0.3317952 | 8.12E-10 | 1.09E-05 |
| <i>B4GALNT3</i> | -0.331955 | 7.96E-10 | 1.07E-05 |
| <i>TMEM56</i> | -0.3322456 | 7.68E-10 | 1.03E-05 |
| <i>AVPR1A</i> | -0.332456 | 7.48E-10 | 1.01E-05 |
| <i>STOM</i> | -0.332484 | 7.46E-10 | 1.00E-05 |
| <i>TRIM61</i> | -0.3325726 | 7.37E-10 | 9.93E-06 |
| <i>MESP2</i> | -0.3326463 | 7.31E-10 | 9.84E-06 |
| <i>MFHAS1</i> | -0.3327233 | 7.24E-10 | 9.74E-06 |
| <i>IL21R</i> | -0.3327624 | 7.20E-10 | 9.70E-06 |
| <i>KCNMB2</i> | -0.3327656 | 7.20E-10 | 9.69E-06 |
| <i>ERC1</i> | -0.3329258 | 7.06E-10 | 9.50E-06 |
| <i>TREML1</i> | -0.3329431 | 7.04E-10 | 9.48E-06 |
| <i>PHF23</i> | -0.3329789 | 7.01E-10 | 9.44E-06 |
| <i>APOL2</i> | -0.333004 | 6.99E-10 | 9.41E-06 |
| <i>PODN</i> | -0.3330929 | 6.91E-10 | 9.31E-06 |
| <i>SLC6A17</i> | -0.3333257 | 6.72E-10 | 9.05E-06 |
| <i>COL25A1</i> | -0.3333976 | 6.66E-10 | 8.97E-06 |
| <i>ETNK1</i> | -0.3334292 | 6.63E-10 | 8.94E-06 |
| <i>DZIP1</i> | -0.3335231 | 6.55E-10 | 8.84E-06 |
| <i>CLEC12A</i> | -0.3335233 | 6.55E-10 | 8.84E-06 |
| <i>GLDN</i> | -0.3335933 | 6.50E-10 | 8.76E-06 |
| <i>SUSD5</i> | -0.3336125 | 6.48E-10 | 8.74E-06 |
| <i>FAM118B</i> | -0.3336354 | 6.46E-10 | 8.72E-06 |
| <i>HCN2</i> | -0.3336394 | 6.46E-10 | 8.71E-06 |
| <i>PIIP5K1</i> | -0.3337877 | 6.34E-10 | 8.55E-06 |
| <i>GABRA1</i> | -0.3337939 | 6.34E-10 | 8.55E-06 |
| <i>ENPP1</i> | -0.3339147 | 6.24E-10 | 8.42E-06 |
| <i>MGAT3</i> | -0.3340022 | 6.17E-10 | 8.33E-06 |
| <i>TTYH1</i> | -0.3340111 | 6.17E-10 | 8.33E-06 |
| <i>VIPR1</i> | -0.3341196 | 6.08E-10 | 8.21E-06 |
| <i>RNASE6</i> | -0.3341213 | 6.08E-10 | 8.21E-06 |
| <i>DNAJC11</i> | -0.3341615 | 6.05E-10 | 8.17E-06 |
| <i>ZNF582</i> | -0.3342516 | 5.98E-10 | 8.08E-06 |
| <i>SSH1</i> | -0.3342864 | 5.96E-10 | 8.05E-06 |
| <i>MT1IP</i> | -0.3345029 | 5.80E-10 | 7.84E-06 |
| <i>C15orf39</i> | -0.3345467 | 5.77E-10 | 7.79E-06 |
| <i>MOB2</i> | -0.3345605 | 5.76E-10 | 7.78E-06 |
| <i>PNMA3</i> | -0.3345907 | 5.74E-10 | 7.75E-06 |
| <i>SNX18</i> | -0.3347082 | 5.65E-10 | 7.64E-06 |

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| <i>EIF4ENIF1</i> | -0.3347245 | 5.64E-10 | 7.63E-06 |
| <i>TOLLIP</i> | -0.3347834 | 5.60E-10 | 7.57E-06 |
| <i>C16orf45</i> | -0.3349867 | 5.46E-10 | 7.38E-06 |
| <i>ZNF211</i> | -0.3350011 | 5.45E-10 | 7.37E-06 |
| <i>RAB19</i> | -0.3350243 | 5.43E-10 | 7.35E-06 |
| <i>MMP23B</i> | -0.3350884 | 5.39E-10 | 7.29E-06 |
| <i>KIAA0174</i> | -0.3350946 | 5.39E-10 | 7.29E-06 |
| <i>PIGR</i> | -0.335206 | 5.31E-10 | 7.19E-06 |
| <i>AKAP10</i> | -0.3352174 | 5.30E-10 | 7.18E-06 |
| <i>DYNC1H1</i> | -0.3353168 | 5.24E-10 | 7.09E-06 |
| <i>C11orf75</i> | -0.335383 | 5.19E-10 | 7.03E-06 |
| <i>SAPS2</i> | -0.3354783 | 5.13E-10 | 6.95E-06 |
| <i>SOX8</i> | -0.3354928 | 5.12E-10 | 6.94E-06 |
| <i>PROM2</i> | -0.3355143 | 5.11E-10 | 6.92E-06 |
| <i>MED13L</i> | -0.3355436 | 5.09E-10 | 6.90E-06 |
| <i>PHLDB2</i> | -0.3355858 | 5.06E-10 | 6.86E-06 |
| <i>CCL14-CCL1</i> | -0.335589 | 5.06E-10 | 6.86E-06 |
| <i>ZNF781</i> | -0.3356284 | 5.04E-10 | 6.82E-06 |
| <i>REM1</i> | -0.3356335 | 5.03E-10 | 6.82E-06 |
| <i>LHPP</i> | -0.3356909 | 5.00E-10 | 6.77E-06 |
| <i>RASSF4</i> | -0.335748 | 4.96E-10 | 6.72E-06 |
| <i>RNF19A</i> | -0.3358505 | 4.90E-10 | 6.64E-06 |
| <i>MCL1</i> | -0.3358512 | 4.90E-10 | 6.64E-06 |
| <i>LMBRD2</i> | -0.3358822 | 4.88E-10 | 6.61E-06 |
| <i>CABIN1</i> | -0.3359192 | 4.86E-10 | 6.58E-06 |
| <i>NCCRP1</i> | -0.3359926 | 4.81E-10 | 6.52E-06 |
| <i>C2orf24</i> | -0.3360938 | 4.75E-10 | 6.44E-06 |
| <i>SPTB</i> | -0.3361121 | 4.74E-10 | 6.43E-06 |
| <i>ARL14</i> | -0.3361251 | 4.73E-10 | 6.42E-06 |
| <i>ACER2</i> | -0.3362503 | 4.66E-10 | 6.32E-06 |
| <i>BAZ2A</i> | -0.3362958 | 4.63E-10 | 6.28E-06 |
| <i>CCDC151</i> | -0.3364107 | 4.57E-10 | 6.19E-06 |
| <i>HLA-DRA</i> | -0.3364941 | 4.52E-10 | 6.13E-06 |
| <i>TMEM25</i> | -0.3365569 | 4.48E-10 | 6.08E-06 |
| <i>FIG4</i> | -0.3366573 | 4.43E-10 | 6.01E-06 |
| <i>ZDHHC2</i> | -0.3366846 | 4.41E-10 | 5.99E-06 |
| <i>MEOX2</i> | -0.3367132 | 4.40E-10 | 5.97E-06 |
| <i>HPD</i> | -0.3367735 | 4.36E-10 | 5.92E-06 |
| <i>PLA2G4A</i> | -0.3368471 | 4.32E-10 | 5.87E-06 |
| <i>FAM198A</i> | -0.3368535 | 4.32E-10 | 5.86E-06 |
| <i>CCDC88A</i> | -0.3369304 | 4.28E-10 | 5.81E-06 |
| <i>KLC4</i> | -0.3369542 | 4.26E-10 | 5.79E-06 |
| <i>CAMK2B</i> | -0.3369865 | 4.25E-10 | 5.77E-06 |
| <i>SUV420H1</i> | -0.336997 | 4.24E-10 | 5.76E-06 |
| <i>PCDHGA6</i> | -0.3370997 | 4.19E-10 | 5.69E-06 |
| <i>CYP1B1</i> | -0.3372338 | 4.12E-10 | 5.59E-06 |
| <i>FLJ42875</i> | -0.3372854 | 4.09E-10 | 5.56E-06 |
| <i>TFEB</i> | -0.3373509 | 4.06E-10 | 5.51E-06 |
| <i>C9orf135</i> | -0.337431 | 4.02E-10 | 5.46E-06 |
| <i>AMBRA1</i> | -0.3374552 | 4.00E-10 | 5.44E-06 |
| <i>TREH</i> | -0.3374676 | 4.00E-10 | 5.44E-06 |

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| <i>HCG4</i> | -0.3374951 | 3.98E-10 | 5.42E-06 |
| <i>AKAP12</i> | -0.337607 | 3.93E-10 | 5.34E-06 |
| <i>R3HCC1</i> | -0.3376085 | 3.93E-10 | 5.34E-06 |
| <i>PRICKLE1</i> | -0.3376417 | 3.91E-10 | 5.32E-06 |
| <i>HMBOX1</i> | -0.337646 | 3.91E-10 | 5.32E-06 |
| <i>CASP12</i> | -0.3376967 | 3.88E-10 | 5.28E-06 |
| <i>THBD</i> | -0.3376981 | 3.88E-10 | 5.28E-06 |
| <i>STXBP5L</i> | -0.3377492 | 3.86E-10 | 5.25E-06 |
| <i>FOXP1</i> | -0.3377701 | 3.85E-10 | 5.24E-06 |
| <i>SLC30A1</i> | -0.337874 | 3.80E-10 | 5.17E-06 |
| <i>KCNJ12</i> | -0.3379811 | 3.75E-10 | 5.10E-06 |
| <i>PPM1M</i> | -0.3380212 | 3.73E-10 | 5.08E-06 |
| <i>GFOD2</i> | -0.3380262 | 3.72E-10 | 5.07E-06 |
| <i>EZR</i> | -0.338063 | 3.71E-10 | 5.05E-06 |
| <i>FAM124A</i> | -0.3380995 | 3.69E-10 | 5.03E-06 |
| <i>ARHGAP10</i> | -0.338159 | 3.66E-10 | 4.99E-06 |
| <i>ZNF70</i> | -0.3381812 | 3.65E-10 | 4.98E-06 |
| <i>BMP5</i> | -0.3382913 | 3.60E-10 | 4.91E-06 |
| <i>NEXN</i> | -0.3383285 | 3.58E-10 | 4.89E-06 |
| <i>RNF138</i> | -0.3383402 | 3.58E-10 | 4.88E-06 |
| <i>C6orf142</i> | -0.3383556 | 3.57E-10 | 4.87E-06 |
| <i>C7orf10</i> | -0.3384651 | 3.52E-10 | 4.80E-06 |
| <i>SH3BGR</i> | -0.3384698 | 3.52E-10 | 4.80E-06 |
| <i>TGM4</i> | -0.3384941 | 3.51E-10 | 4.79E-06 |
| <i>HSPA7</i> | -0.3385272 | 3.50E-10 | 4.77E-06 |
| <i>IPMK</i> | -0.3385785 | 3.47E-10 | 4.74E-06 |
| <i>3-Mar</i> | -0.3386596 | 3.44E-10 | 4.69E-06 |
| <i>TSPAN18</i> | -0.3386884 | 3.43E-10 | 4.67E-06 |
| <i>LPAR3</i> | -0.3387855 | 3.38E-10 | 4.62E-06 |
| <i>ZFYVE21</i> | -0.3388324 | 3.36E-10 | 4.59E-06 |
| <i>COQ4</i> | -0.3388463 | 3.36E-10 | 4.58E-06 |
| <i>PHACTR1</i> | -0.339071 | 3.26E-10 | 4.45E-06 |
| <i>CTNNA1</i> | -0.3391212 | 3.24E-10 | 4.42E-06 |
| <i>EMILIN1</i> | -0.3392879 | 3.17E-10 | 4.33E-06 |
| <i>HDAC4</i> | -0.3392888 | 3.17E-10 | 4.33E-06 |
| <i>FAM19A4</i> | -0.3393386 | 3.15E-10 | 4.31E-06 |
| <i>SELENBP1</i> | -0.339424 | 3.12E-10 | 4.26E-06 |
| <i>SERPINA3</i> | -0.3394309 | 3.12E-10 | 4.26E-06 |
| <i>CORO6</i> | -0.3394448 | 3.11E-10 | 4.25E-06 |
| <i>DOCK4</i> | -0.3394528 | 3.11E-10 | 4.25E-06 |
| <i>C1orf70</i> | -0.339498 | 3.09E-10 | 4.22E-06 |
| <i>PATL2</i> | -0.3395957 | 3.05E-10 | 4.17E-06 |
| <i>MDGA2</i> | -0.3396576 | 3.03E-10 | 4.14E-06 |
| <i>GH1</i> | -0.3396875 | 3.02E-10 | 4.12E-06 |
| <i>OSBPL7</i> | -0.3397289 | 3.00E-10 | 4.10E-06 |
| <i>SOX6</i> | -0.3398345 | 2.96E-10 | 4.05E-06 |
| <i>CD63</i> | -0.3399487 | 2.92E-10 | 3.99E-06 |
| <i>PLEKHH2</i> | -0.339999 | 2.90E-10 | 3.97E-06 |
| <i>PCDH15</i> | -0.3400111 | 2.90E-10 | 3.96E-06 |
| <i>PCP4L1</i> | -0.3404491 | 2.74E-10 | 3.75E-06 |
| <i>GRM7</i> | -0.3405003 | 2.72E-10 | 3.72E-06 |

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| <i>FBXO42</i> | -0.3406771 | 2.66E-10 | 3.64E-06 |
| <i>CRISPLD2</i> | -0.3407812 | 2.62E-10 | 3.59E-06 |
| <i>CD86</i> | -0.3414334 | 2.41E-10 | 3.31E-06 |
| <i>GSTZ1</i> | -0.3414604 | 2.41E-10 | 3.30E-06 |
| <i>SLC23A1</i> | -0.341467 | 2.40E-10 | 3.29E-06 |
| <i>FAM160A2</i> | -0.3415556 | 2.38E-10 | 3.26E-06 |
| <i>CELF6</i> | -0.3416362 | 2.35E-10 | 3.23E-06 |
| <i>ACSS2</i> | -0.3416924 | 2.34E-10 | 3.20E-06 |
| <i>CCL11</i> | -0.3417439 | 2.32E-10 | 3.18E-06 |
| <i>GCC2</i> | -0.3418351 | 2.29E-10 | 3.14E-06 |
| <i>STAT6</i> | -0.3419439 | 2.26E-10 | 3.10E-06 |
| <i>TMEM133</i> | -0.3420193 | 2.24E-10 | 3.07E-06 |
| <i>PCDHB4</i> | -0.342076 | 2.22E-10 | 3.05E-06 |
| <i>ABCG1</i> | -0.3421768 | 2.19E-10 | 3.01E-06 |
| <i>CRB1</i> | -0.3421858 | 2.19E-10 | 3.01E-06 |
| <i>HLA-DMA</i> | -0.3422791 | 2.17E-10 | 2.97E-06 |
| <i>MPPED2</i> | -0.3423133 | 2.16E-10 | 2.96E-06 |
| <i>SRRM4</i> | -0.3423503 | 2.15E-10 | 2.95E-06 |
| <i>GALM</i> | -0.3423516 | 2.15E-10 | 2.95E-06 |
| <i>TCTE1</i> | -0.3423681 | 2.14E-10 | 2.94E-06 |
| <i>BMP1</i> | -0.3423695 | 2.14E-10 | 2.94E-06 |
| <i>C14orf102</i> | -0.3425062 | 2.10E-10 | 2.89E-06 |
| <i>TCEAL3</i> | -0.3425631 | 2.09E-10 | 2.87E-06 |
| <i>SLC39A12</i> | -0.342668 | 2.06E-10 | 2.83E-06 |
| <i>SPTAN1</i> | -0.3427657 | 2.03E-10 | 2.80E-06 |
| <i>RARRES2</i> | -0.3428152 | 2.02E-10 | 2.78E-06 |
| <i>PDE4B</i> | -0.3428154 | 2.02E-10 | 2.78E-06 |
| <i>PTP4A1</i> | -0.3428309 | 2.02E-10 | 2.77E-06 |
| <i>MIDN</i> | -0.3430882 | 1.95E-10 | 2.68E-06 |
| <i>RD3</i> | -0.3431593 | 1.93E-10 | 2.66E-06 |
| <i>C17orf76</i> | -0.3432303 | 1.92E-10 | 2.64E-06 |
| <i>KLKB1</i> | -0.3432413 | 1.91E-10 | 2.63E-06 |
| <i>LIMD2</i> | -0.3432484 | 1.91E-10 | 2.63E-06 |
| <i>EML5</i> | -0.3433304 | 1.89E-10 | 2.60E-06 |
| <i>DPP10</i> | -0.3434458 | 1.86E-10 | 2.56E-06 |
| <i>APOBEC3C</i> | -0.3435713 | 1.83E-10 | 2.52E-06 |
| <i>NFASC</i> | -0.3436546 | 1.81E-10 | 2.50E-06 |
| <i>TBC1D13</i> | -0.3437049 | 1.80E-10 | 2.48E-06 |
| <i>AP2A1</i> | -0.3437075 | 1.80E-10 | 2.48E-06 |
| <i>HRCT1</i> | -0.3437544 | 1.79E-10 | 2.47E-06 |
| <i>EDEM3</i> | -0.3437803 | 1.79E-10 | 2.46E-06 |
| <i>ZNF829</i> | -0.3438175 | 1.78E-10 | 2.45E-06 |
| <i>ACOX3</i> | -0.3439007 | 1.76E-10 | 2.42E-06 |
| <i>CCR4</i> | -0.3439241 | 1.75E-10 | 2.41E-06 |
| <i>MBTPS1</i> | -0.3439271 | 1.75E-10 | 2.41E-06 |
| <i>CDH18</i> | -0.3441476 | 1.70E-10 | 2.34E-06 |
| <i>ZNF609</i> | -0.3441799 | 1.70E-10 | 2.33E-06 |
| <i>DLC1</i> | -0.3442393 | 1.68E-10 | 2.32E-06 |
| <i>LEPROTL1</i> | -0.3442827 | 1.67E-10 | 2.30E-06 |
| <i>ZNF772</i> | -0.3443537 | 1.66E-10 | 2.28E-06 |
| <i>PRDM10</i> | -0.3444333 | 1.64E-10 | 2.26E-06 |

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| <i>KLF12</i> | -0.3445147 | 1.62E-10 | 2.24E-06 |
| <i>KIAA0494</i> | -0.3446573 | 1.59E-10 | 2.20E-06 |
| <i>EAF2</i> | -0.3447035 | 1.58E-10 | 2.18E-06 |
| <i>EFS</i> | -0.3447207 | 1.58E-10 | 2.18E-06 |
| <i>SPRED2</i> | -0.3447569 | 1.57E-10 | 2.17E-06 |
| <i>ATL3</i> | -0.3448828 | 1.55E-10 | 2.13E-06 |
| <i>MDFIC</i> | -0.34491 | 1.54E-10 | 2.13E-06 |
| <i>ETV3L</i> | -0.3449274 | 1.54E-10 | 2.12E-06 |
| <i>GRAMD1C</i> | -0.3449371 | 1.54E-10 | 2.12E-06 |
| <i>KANK4</i> | -0.3449673 | 1.53E-10 | 2.11E-06 |
| <i>LPHN2</i> | -0.3450228 | 1.52E-10 | 2.10E-06 |
| <i>FAM101B</i> | -0.345054 | 1.51E-10 | 2.09E-06 |
| <i>MAP3K2</i> | -0.3450753 | 1.51E-10 | 2.08E-06 |
| <i>C2orf7</i> | -0.3453127 | 1.46E-10 | 2.02E-06 |
| <i>G6PC2</i> | -0.3453526 | 1.46E-10 | 2.01E-06 |
| <i>COPG</i> | -0.3453923 | 1.45E-10 | 2.00E-06 |
| <i>RIMKLB</i> | -0.3454639 | 1.44E-10 | 1.98E-06 |
| <i>HLA-C</i> | -0.3454895 | 1.43E-10 | 1.98E-06 |
| <i>FTHL3</i> | -0.3454969 | 1.43E-10 | 1.97E-06 |
| <i>PCNXL3</i> | -0.345571 | 1.42E-10 | 1.96E-06 |
| <i>CYP2C9</i> | -0.3455955 | 1.41E-10 | 1.95E-06 |
| <i>FAM102B</i> | -0.3456253 | 1.41E-10 | 1.94E-06 |
| <i>PDE4C</i> | -0.3456302 | 1.41E-10 | 1.94E-06 |
| <i>TRAF3</i> | -0.3456577 | 1.40E-10 | 1.93E-06 |
| <i>CCDC85A</i> | -0.3456805 | 1.40E-10 | 1.93E-06 |
| <i>ALOX5AP</i> | -0.3457847 | 1.38E-10 | 1.90E-06 |
| <i>PDLIM3</i> | -0.3457867 | 1.38E-10 | 1.90E-06 |
| <i>RARRES3</i> | -0.3457913 | 1.38E-10 | 1.90E-06 |
| <i>MAP1A</i> | -0.3459617 | 1.35E-10 | 1.86E-06 |
| <i>LEAP2</i> | -0.3459703 | 1.34E-10 | 1.86E-06 |
| <i>GPLD1</i> | -0.3460185 | 1.34E-10 | 1.85E-06 |
| <i>DLG4</i> | -0.3460189 | 1.34E-10 | 1.85E-06 |
| <i>VIPR2</i> | -0.3460267 | 1.33E-10 | 1.85E-06 |
| <i>LOC653501</i> | -0.3461278 | 1.32E-10 | 1.82E-06 |
| <i>MAP3K12</i> | -0.346199 | 1.30E-10 | 1.80E-06 |
| <i>MARCKS</i> | -0.3462074 | 1.30E-10 | 1.80E-06 |
| <i>SSH2</i> | -0.3464419 | 1.26E-10 | 1.75E-06 |
| <i>ZC3H10</i> | -0.3464543 | 1.26E-10 | 1.75E-06 |
| <i>FAT2</i> | -0.3465486 | 1.25E-10 | 1.73E-06 |
| <i>HSPB2</i> | -0.3466154 | 1.24E-10 | 1.71E-06 |
| <i>VTI1B</i> | -0.3467271 | 1.22E-10 | 1.69E-06 |
| <i>GDF6</i> | -0.346755 | 1.21E-10 | 1.68E-06 |
| <i>CD302</i> | -0.3468821 | 1.19E-10 | 1.65E-06 |
| <i>GPA33</i> | -0.3470134 | 1.17E-10 | 1.63E-06 |
| <i>RORC</i> | -0.3470437 | 1.17E-10 | 1.62E-06 |
| <i>FMN1</i> | -0.3470873 | 1.16E-10 | 1.61E-06 |
| <i>GPNMB</i> | -0.3470989 | 1.16E-10 | 1.61E-06 |
| <i>ANKRD58</i> | -0.3471404 | 1.15E-10 | 1.60E-06 |
| <i>KCNQ4</i> | -0.3471529 | 1.15E-10 | 1.60E-06 |
| <i>HSPB7</i> | -0.3472043 | 1.14E-10 | 1.59E-06 |
| <i>ATOH8</i> | -0.3473091 | 1.13E-10 | 1.56E-06 |

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| <i>KCND1</i> | -0.3473168 | 1.13E-10 | 1.56E-06 |
| <i>ZNF454</i> | -0.3475674 | 1.09E-10 | 1.51E-06 |
| <i>KCNK13</i> | -0.3476134 | 1.08E-10 | 1.50E-06 |
| <i>ARHGAP24</i> | -0.3477424 | 1.07E-10 | 1.48E-06 |
| <i>LOC284578</i> | -0.3477551 | 1.07E-10 | 1.48E-06 |
| <i>KSR2</i> | -0.3477765 | 1.06E-10 | 1.47E-06 |
| <i>GPR17</i> | -0.3478564 | 1.05E-10 | 1.46E-06 |
| <i>ADCY4</i> | -0.3478943 | 1.05E-10 | 1.45E-06 |
| <i>ANKRD55</i> | -0.3479047 | 1.04E-10 | 1.45E-06 |
| <i>RAB9B</i> | -0.3479058 | 1.04E-10 | 1.45E-06 |
| <i>LMNA</i> | -0.3480373 | 1.03E-10 | 1.42E-06 |
| <i>GIPR</i> | -0.3480556 | 1.02E-10 | 1.42E-06 |
| <i>LRRFIP2</i> | -0.3482118 | 1.00E-10 | 1.39E-06 |
| <i>ERN1</i> | -0.3483424 | 9.86E-11 | 1.37E-06 |
| <i>CYP2B7P1</i> | -0.3483952 | 9.79E-11 | 1.36E-06 |
| <i>MCC</i> | -0.3484478 | 9.73E-11 | 1.35E-06 |
| <i>VWA5B2</i> | -0.3484653 | 9.70E-11 | 1.35E-06 |
| <i>MRVI1</i> | -0.3485023 | 9.66E-11 | 1.34E-06 |
| <i>STON1</i> | -0.3485596 | 9.58E-11 | 1.33E-06 |
| <i>BANK1</i> | -0.3485944 | 9.54E-11 | 1.33E-06 |
| <i>AQP4</i> | -0.3486069 | 9.53E-11 | 1.32E-06 |
| <i>NBPF14</i> | -0.3486623 | 9.46E-11 | 1.31E-06 |
| <i>CREB3L3</i> | -0.3486675 | 9.45E-11 | 1.31E-06 |
| <i>FAM179A</i> | -0.3488435 | 9.23E-11 | 1.28E-06 |
| <i>HECA</i> | -0.349016 | 9.03E-11 | 1.26E-06 |
| <i>PTPLB</i> | -0.3490296 | 9.01E-11 | 1.25E-06 |
| <i>C16orf5</i> | -0.349089 | 8.94E-11 | 1.24E-06 |
| <i>PHGR1</i> | -0.3490948 | 8.93E-11 | 1.24E-06 |
| <i>NEUROD1</i> | -0.3492095 | 8.80E-11 | 1.22E-06 |
| <i>C22orf23</i> | -0.3492526 | 8.75E-11 | 1.22E-06 |
| <i>SPAG7</i> | -0.3493021 | 8.69E-11 | 1.21E-06 |
| <i>C15orf48</i> | -0.3493185 | 8.67E-11 | 1.21E-06 |
| <i>HAPLN4</i> | -0.3493635 | 8.62E-11 | 1.20E-06 |
| <i>HLA-DOB</i> | -0.3494474 | 8.53E-11 | 1.19E-06 |
| <i>TOX4</i> | -0.3494496 | 8.53E-11 | 1.19E-06 |
| <i>KLHL33</i> | -0.3494965 | 8.47E-11 | 1.18E-06 |
| <i>LOC645323</i> | -0.3495564 | 8.41E-11 | 1.17E-06 |
| <i>DDX58</i> | -0.3495934 | 8.37E-11 | 1.16E-06 |
| <i>RAB3GAP1</i> | -0.3496372 | 8.32E-11 | 1.16E-06 |
| <i>SDSL</i> | -0.3496734 | 8.28E-11 | 1.15E-06 |
| <i>FAM159A</i> | -0.3496844 | 8.27E-11 | 1.15E-06 |
| <i>KTN1</i> | -0.3497163 | 8.23E-11 | 1.15E-06 |
| <i>CREBBP</i> | -0.3498208 | 8.12E-11 | 1.13E-06 |
| <i>FBXL15</i> | -0.3498438 | 8.09E-11 | 1.13E-06 |
| <i>POPDC2</i> | -0.3499055 | 8.03E-11 | 1.12E-06 |
| <i>MORC1</i> | -0.3499175 | 8.02E-11 | 1.12E-06 |
| <i>TRPS1</i> | -0.3499188 | 8.01E-11 | 1.12E-06 |
| <i>PPM1B</i> | -0.349923 | 8.01E-11 | 1.12E-06 |
| <i>RHAG</i> | -0.350165 | 7.76E-11 | 1.08E-06 |
| <i>HHEX</i> | -0.350169 | 7.75E-11 | 1.08E-06 |
| <i>GPR133</i> | -0.3502691 | 7.65E-11 | 1.07E-06 |

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| <i>ZNF257</i> | -0.3502754 | 7.65E-11 | 1.07E-06 |
| <i>MPDZ</i> | -0.350367 | 7.55E-11 | 1.05E-06 |
| <i>TCEAL7</i> | -0.3503688 | 7.55E-11 | 1.05E-06 |
| <i>PPYR1</i> | -0.3504458 | 7.48E-11 | 1.04E-06 |
| <i>SNX19</i> | -0.3504686 | 7.45E-11 | 1.04E-06 |
| <i>LOC284749</i> | -0.3504763 | 7.45E-11 | 1.04E-06 |
| <i>ACOT11</i> | -0.3505523 | 7.37E-11 | 1.03E-06 |
| <i>C22orf46</i> | -0.3506213 | 7.30E-11 | 1.02E-06 |
| <i>TTR</i> | -0.3506301 | 7.30E-11 | 1.02E-06 |
| <i>C10orf118</i> | -0.3507247 | 7.21E-11 | 1.01E-06 |
| <i>CYP2C19</i> | -0.3508709 | 7.07E-11 | 9.87E-07 |
| <i>TNFAIP8L3</i> | -0.3509289 | 7.01E-11 | 9.79E-07 |
| <i>NLRP1</i> | -0.3509352 | 7.01E-11 | 9.79E-07 |
| <i>LRFN1</i> | -0.3509698 | 6.98E-11 | 9.74E-07 |
| <i>TMEM50A</i> | -0.3509999 | 6.95E-11 | 9.71E-07 |
| <i>CCR9</i> | -0.3511128 | 6.84E-11 | 9.56E-07 |
| <i>SLC2A4</i> | -0.3511575 | 6.80E-11 | 9.51E-07 |
| <i>KILLIN</i> | -0.3511829 | 6.78E-11 | 9.48E-07 |
| <i>SMARCA2</i> | -0.35121 | 6.76E-11 | 9.44E-07 |
| <i>PDCD1LG2</i> | -0.3512174 | 6.75E-11 | 9.43E-07 |
| <i>PIK3C2B</i> | -0.351257 | 6.71E-11 | 9.39E-07 |
| <i>TAF13</i> | -0.3512621 | 6.71E-11 | 9.38E-07 |
| <i>LOC1001282</i> | -0.3513527 | 6.63E-11 | 9.27E-07 |
| <i>DMXL2</i> | -0.3513846 | 6.60E-11 | 9.23E-07 |
| <i>FOXP2</i> | -0.3513962 | 6.59E-11 | 9.22E-07 |
| <i>BLNK</i> | -0.351486 | 6.51E-11 | 9.11E-07 |
| <i>IGSF6</i> | -0.3515031 | 6.50E-11 | 9.09E-07 |
| <i>INF2</i> | -0.3515115 | 6.49E-11 | 9.08E-07 |
| <i>ERBB2</i> | -0.3516218 | 6.40E-11 | 8.95E-07 |
| <i>ACVR2A</i> | -0.3516397 | 6.38E-11 | 8.93E-07 |
| <i>SH2D1A</i> | -0.3516609 | 6.36E-11 | 8.90E-07 |
| <i>PIGN</i> | -0.3517575 | 6.28E-11 | 8.79E-07 |
| <i>FRMD8</i> | -0.3518109 | 6.24E-11 | 8.73E-07 |
| <i>FKBP5</i> | -0.3519326 | 6.14E-11 | 8.59E-07 |
| <i>SFTPD</i> | -0.3519415 | 6.13E-11 | 8.58E-07 |
| <i>DISP1</i> | -0.3521618 | 5.95E-11 | 8.34E-07 |
| <i>PRCD</i> | -0.3522109 | 5.92E-11 | 8.28E-07 |
| <i>SYPL2</i> | -0.3522131 | 5.91E-11 | 8.28E-07 |
| <i>CD207</i> | -0.3522886 | 5.86E-11 | 8.20E-07 |
| <i>BBS1</i> | -0.3523748 | 5.79E-11 | 8.11E-07 |
| <i>SIGIRR</i> | -0.3524197 | 5.75E-11 | 8.06E-07 |
| <i>PTPRE</i> | -0.3524486 | 5.73E-11 | 8.03E-07 |
| <i>PSD4</i> | -0.3524976 | 5.69E-11 | 7.98E-07 |
| <i>EPHX1</i> | -0.3525217 | 5.68E-11 | 7.95E-07 |
| <i>MGP</i> | -0.3525821 | 5.63E-11 | 7.89E-07 |
| <i>SNX32</i> | -0.3525869 | 5.63E-11 | 7.89E-07 |
| <i>CECR7</i> | -0.3525895 | 5.63E-11 | 7.89E-07 |
| <i>CDKN2C</i> | -0.3526372 | 5.59E-11 | 7.84E-07 |
| <i>NR2C2</i> | -0.3527736 | 5.49E-11 | 7.70E-07 |
| <i>TTC23</i> | -0.3528442 | 5.44E-11 | 7.63E-07 |
| <i>C17orf103</i> | -0.3528455 | 5.44E-11 | 7.62E-07 |

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| <i>ICAM4</i> | -0.3530358 | 5.30E-11 | 7.44E-07 |
| <i>SON</i> | -0.3530765 | 5.27E-11 | 7.40E-07 |
| <i>KLRG1</i> | -0.3531268 | 5.24E-11 | 7.35E-07 |
| <i>FITM1</i> | -0.3533003 | 5.12E-11 | 7.18E-07 |
| <i>ZFPM2</i> | -0.3533333 | 5.09E-11 | 7.15E-07 |
| <i>ELOVL4</i> | -0.3533404 | 5.09E-11 | 7.15E-07 |
| <i>OLFML2A</i> | -0.3533881 | 5.06E-11 | 7.10E-07 |
| <i>RSPO3</i> | -0.3534283 | 5.03E-11 | 7.06E-07 |
| <i>LOC154761</i> | -0.3536155 | 4.91E-11 | 6.89E-07 |
| <i>PRKG1</i> | -0.353628 | 4.90E-11 | 6.88E-07 |
| <i>HRC</i> | -0.3536538 | 4.88E-11 | 6.86E-07 |
| <i>FGF2</i> | -0.3538376 | 4.76E-11 | 6.69E-07 |
| <i>TXLNB</i> | -0.353901 | 4.72E-11 | 6.64E-07 |
| <i>MYO7B</i> | -0.3539147 | 4.71E-11 | 6.62E-07 |
| <i>CABP2</i> | -0.3539512 | 4.69E-11 | 6.59E-07 |
| <i>FGF9</i> | -0.3539949 | 4.66E-11 | 6.55E-07 |
| <i>WWTR1</i> | -0.3539959 | 4.66E-11 | 6.55E-07 |
| <i>ELAC1</i> | -0.3542171 | 4.53E-11 | 6.36E-07 |
| <i>RORB</i> | -0.3542926 | 4.48E-11 | 6.30E-07 |
| <i>C15orf34</i> | -0.3543537 | 4.44E-11 | 6.25E-07 |
| <i>PABPC5</i> | -0.3544189 | 4.41E-11 | 6.20E-07 |
| <i>C1RL</i> | -0.3544325 | 4.40E-11 | 6.19E-07 |
| <i>LOC158376</i> | -0.3544759 | 4.37E-11 | 6.15E-07 |
| <i>KLF6</i> | -0.3546103 | 4.29E-11 | 6.04E-07 |
| <i>MED18</i> | -0.3546944 | 4.25E-11 | 5.98E-07 |
| <i>TTBK2</i> | -0.35487 | 4.15E-11 | 5.84E-07 |
| <i>FST</i> | -0.3549728 | 4.09E-11 | 5.76E-07 |
| <i>PRPF8</i> | -0.355048 | 4.05E-11 | 5.70E-07 |
| <i>FLRT2</i> | -0.3550563 | 4.04E-11 | 5.70E-07 |
| <i>C2orf80</i> | -0.3550871 | 4.03E-11 | 5.67E-07 |
| <i>LOC148696</i> | -0.3551145 | 4.01E-11 | 5.65E-07 |
| <i>MFSD6L</i> | -0.3551936 | 3.97E-11 | 5.59E-07 |
| <i>IL12RB2</i> | -0.3553872 | 3.87E-11 | 5.45E-07 |
| <i>CADM1</i> | -0.3554494 | 3.84E-11 | 5.41E-07 |
| <i>PCDHGB5</i> | -0.3554689 | 3.83E-11 | 5.39E-07 |
| <i>SYT2</i> | -0.3555242 | 3.80E-11 | 5.35E-07 |
| <i>TBC1D2B</i> | -0.3555346 | 3.79E-11 | 5.34E-07 |
| <i>ANKRD52</i> | -0.3555879 | 3.77E-11 | 5.31E-07 |
| <i>LILRA2</i> | -0.3556045 | 3.76E-11 | 5.30E-07 |
| <i>RNF122</i> | -0.3556243 | 3.75E-11 | 5.28E-07 |
| <i>TMEM125</i> | -0.3556977 | 3.71E-11 | 5.23E-07 |
| <i>PDE1A</i> | -0.3557904 | 3.66E-11 | 5.17E-07 |
| <i>ALOX12</i> | -0.3557934 | 3.66E-11 | 5.17E-07 |
| <i>SLC46A3</i> | -0.355871 | 3.62E-11 | 5.11E-07 |
| <i>ITSN2</i> | -0.3558743 | 3.62E-11 | 5.11E-07 |
| <i>UBR4</i> | -0.3559269 | 3.60E-11 | 5.08E-07 |
| <i>ACAT1</i> | -0.3559289 | 3.60E-11 | 5.07E-07 |
| <i>ATL1</i> | -0.3559897 | 3.57E-11 | 5.03E-07 |
| <i>TPP1</i> | -0.3560683 | 3.53E-11 | 4.98E-07 |
| <i>FBXW4</i> | -0.3561228 | 3.50E-11 | 4.95E-07 |
| <i>CXCL13</i> | -0.3561652 | 3.48E-11 | 4.92E-07 |

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| <i>FPR3</i> | -0.3562123 | 3.46E-11 | 4.89E-07 |
| <i>CTXN2</i> | -0.3562742 | 3.43E-11 | 4.85E-07 |
| <i>KLK15</i> | -0.356278 | 3.43E-11 | 4.84E-07 |
| <i>LAMC3</i> | -0.3564034 | 3.37E-11 | 4.76E-07 |
| <i>ILK</i> | -0.3564876 | 3.34E-11 | 4.71E-07 |
| <i>HGD</i> | -0.3565527 | 3.31E-11 | 4.67E-07 |
| <i>PCDHGC4</i> | -0.3565818 | 3.29E-11 | 4.65E-07 |
| <i>DQX1</i> | -0.3566308 | 3.27E-11 | 4.62E-07 |
| <i>STAT2</i> | -0.3567345 | 3.23E-11 | 4.56E-07 |
| <i>ARRDC5</i> | -0.3568166 | 3.19E-11 | 4.51E-07 |
| <i>C14orf129</i> | -0.3568887 | 3.16E-11 | 4.47E-07 |
| <i>CHD9</i> | -0.356913 | 3.15E-11 | 4.45E-07 |
| <i>C16orf7</i> | -0.3570578 | 3.09E-11 | 4.37E-07 |
| <i>IVNS1ABP</i> | -0.3570686 | 3.08E-11 | 4.36E-07 |
| <i>C11orf30</i> | -0.3570778 | 3.08E-11 | 4.36E-07 |
| <i>ITPK1</i> | -0.3570881 | 3.08E-11 | 4.35E-07 |
| <i>SLC7A3</i> | -0.3570974 | 3.07E-11 | 4.34E-07 |
| <i>RCOR1</i> | -0.3571553 | 3.05E-11 | 4.31E-07 |
| <i>IL7R</i> | -0.3571689 | 3.04E-11 | 4.30E-07 |
| <i>ANKRD9</i> | -0.3571827 | 3.04E-11 | 4.30E-07 |
| <i>CTDSPL</i> | -0.3573166 | 2.98E-11 | 4.22E-07 |
| <i>PCDH7</i> | -0.357344 | 2.97E-11 | 4.20E-07 |
| <i>KLHL34</i> | -0.3573715 | 2.96E-11 | 4.19E-07 |
| <i>ALDH1L1</i> | -0.3574377 | 2.93E-11 | 4.15E-07 |
| <i>ACVR1C</i> | -0.3574859 | 2.91E-11 | 4.13E-07 |
| <i>GPR97</i> | -0.3575746 | 2.88E-11 | 4.08E-07 |
| <i>SNED1</i> | -0.3575915 | 2.87E-11 | 4.07E-07 |
| <i>ZNF843</i> | -0.3576023 | 2.87E-11 | 4.06E-07 |
| <i>NFKBIA</i> | -0.3576036 | 2.87E-11 | 4.06E-07 |
| <i>MYO3A</i> | -0.3576478 | 2.85E-11 | 4.04E-07 |
| <i>PCDHGB4</i> | -0.3577897 | 2.80E-11 | 3.96E-07 |
| <i>BTN3A3</i> | -0.35779 | 2.80E-11 | 3.96E-07 |
| <i>TMEM170A</i> | -0.3578704 | 2.77E-11 | 3.92E-07 |
| <i>CYP4V2</i> | -0.3578847 | 2.76E-11 | 3.91E-07 |
| <i>PLEKHG3</i> | -0.3579233 | 2.75E-11 | 3.89E-07 |
| <i>KIAA2013</i> | -0.3580176 | 2.71E-11 | 3.84E-07 |
| <i>UGT1A9</i> | -0.3580964 | 2.68E-11 | 3.80E-07 |
| <i>DUSP3</i> | -0.3581204 | 2.67E-11 | 3.79E-07 |
| <i>CTSE</i> | -0.3582366 | 2.63E-11 | 3.73E-07 |
| <i>RPL10L</i> | -0.3582498 | 2.63E-11 | 3.73E-07 |
| <i>APOBEC3G</i> | -0.3583018 | 2.61E-11 | 3.70E-07 |
| <i>TLL2</i> | -0.3584611 | 2.55E-11 | 3.62E-07 |
| <i>C1orf162</i> | -0.358476 | 2.55E-11 | 3.62E-07 |
| <i>ZNF596</i> | -0.3585015 | 2.54E-11 | 3.60E-07 |
| <i>GATA2</i> | -0.3585936 | 2.51E-11 | 3.56E-07 |
| <i>VLDLR</i> | -0.3586718 | 2.48E-11 | 3.52E-07 |
| <i>LRCH2</i> | -0.3588098 | 2.43E-11 | 3.46E-07 |
| <i>MUC5B</i> | -0.3588623 | 2.42E-11 | 3.43E-07 |
| <i>CYYR1</i> | -0.3589649 | 2.38E-11 | 3.39E-07 |
| <i>RASSF3</i> | -0.3591578 | 2.32E-11 | 3.30E-07 |
| <i>FAM55A</i> | -0.3591991 | 2.31E-11 | 3.28E-07 |

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| <i>HYI</i> | -0.359241 | 2.30E-11 | 3.26E-07 |
| <i>GOT1</i> | -0.3592886 | 2.28E-11 | 3.24E-07 |
| <i>CARD16</i> | -0.3592968 | 2.28E-11 | 3.24E-07 |
| <i>MTMR7</i> | -0.3593237 | 2.27E-11 | 3.23E-07 |
| <i>TRPV2</i> | -0.3593401 | 2.27E-11 | 3.22E-07 |
| <i>JDP2</i> | -0.3593455 | 2.26E-11 | 3.22E-07 |
| <i>FMO2</i> | -0.3593797 | 2.25E-11 | 3.20E-07 |
| <i>PLEKHO2</i> | -0.3594008 | 2.25E-11 | 3.19E-07 |
| <i>YIPF5</i> | -0.3594483 | 2.23E-11 | 3.17E-07 |
| <i>JAKMIP1</i> | -0.359545 | 2.20E-11 | 3.13E-07 |
| <i>ULK3</i> | -0.3595539 | 2.20E-11 | 3.13E-07 |
| <i>TRPC6</i> | -0.3596504 | 2.17E-11 | 3.09E-07 |
| <i>CREBL2</i> | -0.3596703 | 2.17E-11 | 3.08E-07 |
| <i>KIAA0195</i> | -0.359689 | 2.16E-11 | 3.07E-07 |
| <i>CCL21</i> | -0.359716 | 2.15E-11 | 3.06E-07 |
| <i>MAP1LC3C</i> | -0.3599293 | 2.09E-11 | 2.97E-07 |
| <i>SEC24A</i> | -0.3599749 | 2.08E-11 | 2.96E-07 |
| <i>POMC</i> | -0.3599761 | 2.08E-11 | 2.96E-07 |
| <i>PRDM6</i> | -0.360044 | 2.06E-11 | 2.93E-07 |
| <i>UGT1A4</i> | -0.3600748 | 2.05E-11 | 2.92E-07 |
| <i>KREMEN1</i> | -0.3602585 | 2.00E-11 | 2.85E-07 |
| <i>IL1RAPL1</i> | -0.3603034 | 1.99E-11 | 2.83E-07 |
| <i>SCNN1A</i> | -0.3603747 | 1.97E-11 | 2.80E-07 |
| <i>KCNC1</i> | -0.3604662 | 1.94E-11 | 2.77E-07 |
| <i>DCN</i> | -0.3604857 | 1.94E-11 | 2.76E-07 |
| <i>UCN3</i> | -0.360595 | 1.91E-11 | 2.72E-07 |
| <i>TOM1</i> | -0.360612 | 1.90E-11 | 2.71E-07 |
| <i>AFAP1L2</i> | -0.360614 | 1.90E-11 | 2.71E-07 |
| <i>PRKAA2</i> | -0.3607528 | 1.87E-11 | 2.66E-07 |
| <i>PLXDC2</i> | -0.360813 | 1.85E-11 | 2.64E-07 |
| <i>GEFT</i> | -0.3609608 | 1.81E-11 | 2.59E-07 |
| <i>DIP2C</i> | -0.3609641 | 1.81E-11 | 2.59E-07 |
| <i>PLEC</i> | -0.3609847 | 1.81E-11 | 2.58E-07 |
| <i>SIGLEC9</i> | -0.361101 | 1.78E-11 | 2.54E-07 |
| <i>SLC25A4</i> | -0.3612131 | 1.75E-11 | 2.50E-07 |
| <i>SLAMF6</i> | -0.3612244 | 1.75E-11 | 2.50E-07 |
| <i>SYT6</i> | -0.3612932 | 1.73E-11 | 2.47E-07 |
| <i>HECTD2</i> | -0.3613489 | 1.72E-11 | 2.45E-07 |
| <i>UCHL1</i> | -0.3613526 | 1.72E-11 | 2.45E-07 |
| <i>NPEPPS</i> | -0.3613604 | 1.72E-11 | 2.45E-07 |
| <i>RHOA</i> | -0.3613676 | 1.72E-11 | 2.45E-07 |
| <i>TGFB1I1</i> | -0.3613721 | 1.72E-11 | 2.45E-07 |
| <i>PRF1</i> | -0.3614847 | 1.69E-11 | 2.41E-07 |
| <i>KCTD8</i> | -0.3614925 | 1.69E-11 | 2.41E-07 |
| <i>CYTL1</i> | -0.3614976 | 1.69E-11 | 2.41E-07 |
| <i>KLK13</i> | -0.3616022 | 1.66E-11 | 2.37E-07 |
| <i>CAMP</i> | -0.3616391 | 1.65E-11 | 2.36E-07 |
| <i>EOMES</i> | -0.3616411 | 1.65E-11 | 2.36E-07 |
| <i>PM20D1</i> | -0.3616415 | 1.65E-11 | 2.36E-07 |
| <i>WDFY3</i> | -0.3616438 | 1.65E-11 | 2.36E-07 |
| <i>C8orf46</i> | -0.3616491 | 1.65E-11 | 2.36E-07 |

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| <i>UBN1</i> | -0.3617007 | 1.64E-11 | 2.34E-07 |
| <i>STAG1</i> | -0.3617338 | 1.63E-11 | 2.33E-07 |
| <i>USP38</i> | -0.3618809 | 1.60E-11 | 2.29E-07 |
| <i>GSTM4</i> | -0.3619465 | 1.59E-11 | 2.26E-07 |
| <i>ZNF625</i> | -0.3619861 | 1.58E-11 | 2.25E-07 |
| <i>SIRT4</i> | -0.3620136 | 1.57E-11 | 2.24E-07 |
| <i>RAB3C</i> | -0.3620194 | 1.57E-11 | 2.24E-07 |
| <i>PCDHGB3</i> | -0.3620991 | 1.55E-11 | 2.22E-07 |
| <i>HEG1</i> | -0.36211 | 1.55E-11 | 2.22E-07 |
| <i>LOC134466</i> | -0.362117 | 1.55E-11 | 2.21E-07 |
| <i>KIAA0427</i> | -0.3621572 | 1.54E-11 | 2.20E-07 |
| <i>APOBEC3F</i> | -0.3621968 | 1.53E-11 | 2.19E-07 |
| <i>NANS</i> | -0.362266 | 1.52E-11 | 2.17E-07 |
| <i>FBXO8</i> | -0.3623305 | 1.50E-11 | 2.15E-07 |
| <i>CRYAB</i> | -0.362336 | 1.50E-11 | 2.15E-07 |
| <i>CHRM2</i> | -0.3623447 | 1.50E-11 | 2.15E-07 |
| <i>FEZ1</i> | -0.3624138 | 1.49E-11 | 2.13E-07 |
| <i>ZNF219</i> | -0.3625065 | 1.47E-11 | 2.10E-07 |
| <i>FBXO18</i> | -0.3625116 | 1.47E-11 | 2.10E-07 |
| <i>GPR132</i> | -0.3625477 | 1.46E-11 | 2.09E-07 |
| <i>PPP1R3C</i> | -0.3625909 | 1.45E-11 | 2.08E-07 |
| <i>KL</i> | -0.3625913 | 1.45E-11 | 2.08E-07 |
| <i>NTRK2</i> | -0.3626017 | 1.45E-11 | 2.07E-07 |
| <i>ST3GAL4</i> | -0.362661 | 1.44E-11 | 2.06E-07 |
| <i>RPS6KA2</i> | -0.3626717 | 1.43E-11 | 2.05E-07 |
| <i>EEF1A2</i> | -0.3626894 | 1.43E-11 | 2.05E-07 |
| <i>GLYATL3</i> | -0.3627589 | 1.42E-11 | 2.03E-07 |
| <i>FAM110B</i> | -0.3627748 | 1.41E-11 | 2.02E-07 |
| <i>PLCB2</i> | -0.3627926 | 1.41E-11 | 2.02E-07 |
| <i>LCP2</i> | -0.3628141 | 1.41E-11 | 2.01E-07 |
| <i>RELB</i> | -0.3629366 | 1.38E-11 | 1.98E-07 |
| <i>GABRB3</i> | -0.3629662 | 1.38E-11 | 1.97E-07 |
| <i>LCE2A</i> | -0.3629797 | 1.37E-11 | 1.97E-07 |
| <i>C21orf33</i> | -0.3630091 | 1.37E-11 | 1.96E-07 |
| <i>TSKU</i> | -0.3631141 | 1.35E-11 | 1.93E-07 |
| <i>CDO1</i> | -0.3631339 | 1.35E-11 | 1.93E-07 |
| <i>C22orf15</i> | -0.3632481 | 1.32E-11 | 1.90E-07 |
| <i>SNX15</i> | -0.3632827 | 1.32E-11 | 1.89E-07 |
| <i>SLC6A10P</i> | -0.3632976 | 1.32E-11 | 1.89E-07 |
| <i>TCF25</i> | -0.3633228 | 1.31E-11 | 1.88E-07 |
| <i>TBC1D12</i> | -0.3633374 | 1.31E-11 | 1.88E-07 |
| <i>WDR47</i> | -0.3633643 | 1.30E-11 | 1.87E-07 |
| <i>ZNF385D</i> | -0.3633785 | 1.30E-11 | 1.87E-07 |
| <i>TNFRSF18</i> | -0.3633914 | 1.30E-11 | 1.86E-07 |
| <i>C4orf39</i> | -0.3634581 | 1.29E-11 | 1.85E-07 |
| <i>F2RL1</i> | -0.3635318 | 1.27E-11 | 1.83E-07 |
| <i>FBXO40</i> | -0.3636786 | 1.25E-11 | 1.79E-07 |
| <i>FABP2</i> | -0.3638182 | 1.22E-11 | 1.76E-07 |
| <i>CHRM1</i> | -0.3638429 | 1.22E-11 | 1.75E-07 |
| <i>GIPC3</i> | -0.3638471 | 1.22E-11 | 1.75E-07 |
| <i>FYN</i> | -0.3639527 | 1.20E-11 | 1.72E-07 |

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| <i>PITPNA</i> | -0.3639654 | 1.20E-11 | 1.72E-07 |
| <i>KIF13A</i> | -0.3640129 | 1.19E-11 | 1.71E-07 |
| <i>TTC38</i> | -0.3640326 | 1.19E-11 | 1.71E-07 |
| <i>ARHGAP28</i> | -0.3640955 | 1.18E-11 | 1.69E-07 |
| <i>CSNK1G1</i> | -0.3641748 | 1.17E-11 | 1.67E-07 |
| <i>NELL2</i> | -0.3642063 | 1.16E-11 | 1.67E-07 |
| <i>ANKRD36BP</i> | -0.3643292 | 1.14E-11 | 1.64E-07 |
| <i>HEMGN</i> | -0.3644176 | 1.13E-11 | 1.62E-07 |
| <i>SPTBN1</i> | -0.3644651 | 1.12E-11 | 1.61E-07 |
| <i>ME2</i> | -0.3645387 | 1.11E-11 | 1.59E-07 |
| <i>RORA</i> | -0.3645749 | 1.10E-11 | 1.58E-07 |
| <i>ZDBF2</i> | -0.3646094 | 1.10E-11 | 1.58E-07 |
| <i>CARNS1</i> | -0.3646171 | 1.10E-11 | 1.58E-07 |
| <i>PCDHGA4</i> | -0.3646808 | 1.09E-11 | 1.56E-07 |
| <i>ELL2</i> | -0.3647896 | 1.07E-11 | 1.54E-07 |
| <i>BTN3A2</i> | -0.3648152 | 1.07E-11 | 1.53E-07 |
| <i>SLC25A11</i> | -0.364951 | 1.05E-11 | 1.50E-07 |
| <i>NECAB1</i> | -0.365125 | 1.02E-11 | 1.47E-07 |
| <i>OR2T8</i> | -0.3651365 | 1.02E-11 | 1.47E-07 |
| <i>EFEMP1</i> | -0.3651807 | 1.01E-11 | 1.46E-07 |
| <i>IL2</i> | -0.3652152 | 1.01E-11 | 1.45E-07 |
| <i>AGPAT4</i> | -0.3653448 | 9.90E-12 | 1.43E-07 |
| <i>PARVA</i> | -0.3653861 | 9.85E-12 | 1.42E-07 |
| <i>DNAJC13</i> | -0.3654599 | 9.75E-12 | 1.40E-07 |
| <i>SPATS2L</i> | -0.3655058 | 9.68E-12 | 1.39E-07 |
| <i>CALHM1</i> | -0.3655277 | 9.65E-12 | 1.39E-07 |
| <i>CDC42EP3</i> | -0.3657043 | 9.42E-12 | 1.36E-07 |
| <i>PSMA8</i> | -0.3657542 | 9.35E-12 | 1.35E-07 |
| <i>PDGFRA</i> | -0.3658416 | 9.24E-12 | 1.33E-07 |
| <i>BRP44L</i> | -0.3658463 | 9.23E-12 | 1.33E-07 |
| <i>UBXN6</i> | -0.3658476 | 9.23E-12 | 1.33E-07 |
| <i>PIAS2</i> | -0.3658661 | 9.21E-12 | 1.33E-07 |
| <i>CD59</i> | -0.3660508 | 8.97E-12 | 1.29E-07 |
| <i>NOS1</i> | -0.366094 | 8.92E-12 | 1.29E-07 |
| <i>TMEM175</i> | -0.3661179 | 8.89E-12 | 1.28E-07 |
| <i>C15orf2</i> | -0.3661182 | 8.89E-12 | 1.28E-07 |
| <i>RECK</i> | -0.3661677 | 8.83E-12 | 1.27E-07 |
| <i>TMEM200B</i> | -0.3661999 | 8.79E-12 | 1.27E-07 |
| <i>MPP2</i> | -0.3662269 | 8.76E-12 | 1.26E-07 |
| <i>BTNL3</i> | -0.3662611 | 8.72E-12 | 1.26E-07 |
| <i>APOL3</i> | -0.3663007 | 8.67E-12 | 1.25E-07 |
| <i>HSBP1L1</i> | -0.3663381 | 8.62E-12 | 1.24E-07 |
| <i>PARD6G</i> | -0.3663488 | 8.61E-12 | 1.24E-07 |
| <i>HLX</i> | -0.3663773 | 8.57E-12 | 1.24E-07 |
| <i>CC2D1B</i> | -0.3664108 | 8.53E-12 | 1.23E-07 |
| <i>HSPB6</i> | -0.3664954 | 8.43E-12 | 1.22E-07 |
| <i>CCNI</i> | -0.3665404 | 8.38E-12 | 1.21E-07 |
| <i>LOC1002722</i> | -0.366563 | 8.36E-12 | 1.21E-07 |
| <i>FHL5</i> | -0.3668282 | 8.05E-12 | 1.16E-07 |
| <i>PRDM8</i> | -0.3668614 | 8.01E-12 | 1.16E-07 |
| <i>ATXN1</i> | -0.3668742 | 8.00E-12 | 1.16E-07 |

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|------------------|------------|----------|----------|
| <i>ZNF549</i> | -0.3669376 | 7.93E-12 | 1.15E-07 |
| <i>CREB3L1</i> | -0.3669407 | 7.93E-12 | 1.14E-07 |
| <i>C7orf58</i> | -0.3669781 | 7.88E-12 | 1.14E-07 |
| <i>ERAP1</i> | -0.3669976 | 7.86E-12 | 1.14E-07 |
| <i>HHAT</i> | -0.367039 | 7.82E-12 | 1.13E-07 |
| <i>CHD5</i> | -0.3670436 | 7.81E-12 | 1.13E-07 |
| <i>DENND5B</i> | -0.3670518 | 7.80E-12 | 1.13E-07 |
| <i>PHYHD1</i> | -0.3671041 | 7.75E-12 | 1.12E-07 |
| <i>RHBDL3</i> | -0.367114 | 7.73E-12 | 1.12E-07 |
| <i>SIRPB2</i> | -0.367162 | 7.68E-12 | 1.11E-07 |
| <i>CES2</i> | -0.3672166 | 7.62E-12 | 1.10E-07 |
| <i>PTEN</i> | -0.3672189 | 7.62E-12 | 1.10E-07 |
| <i>MBOAT7</i> | -0.3672329 | 7.61E-12 | 1.10E-07 |
| <i>SLITRK6</i> | -0.3672692 | 7.57E-12 | 1.09E-07 |
| <i>MAB21L2</i> | -0.3673307 | 7.50E-12 | 1.09E-07 |
| <i>PPAPDC3</i> | -0.3673677 | 7.46E-12 | 1.08E-07 |
| <i>KLHDC8B</i> | -0.3673905 | 7.44E-12 | 1.08E-07 |
| <i>RHOJ</i> | -0.3673966 | 7.43E-12 | 1.08E-07 |
| <i>MMP15</i> | -0.3674287 | 7.40E-12 | 1.07E-07 |
| <i>AOX1</i> | -0.3675324 | 7.29E-12 | 1.06E-07 |
| <i>PABPC1L2A</i> | -0.3675365 | 7.29E-12 | 1.06E-07 |
| <i>PAOX</i> | -0.3676021 | 7.22E-12 | 1.05E-07 |
| <i>PRICKLE2</i> | -0.3676171 | 7.21E-12 | 1.04E-07 |
| <i>ZC3H12D</i> | -0.3676307 | 7.19E-12 | 1.04E-07 |
| <i>NPY5R</i> | -0.367642 | 7.18E-12 | 1.04E-07 |
| <i>DLGAP2</i> | -0.3676716 | 7.15E-12 | 1.04E-07 |
| <i>CAMK2G</i> | -0.3678607 | 6.97E-12 | 1.01E-07 |
| <i>CKMT1B</i> | -0.367884 | 6.94E-12 | 1.01E-07 |
| <i>HES5</i> | -0.3678847 | 6.94E-12 | 1.01E-07 |
| <i>ANGPTL6</i> | -0.3679232 | 6.90E-12 | 1.00E-07 |
| <i>REV3L</i> | -0.3679846 | 6.85E-12 | 9.92E-08 |
| <i>RAC2</i> | -0.3680049 | 6.83E-12 | 9.89E-08 |
| <i>MSRB3</i> | -0.3680512 | 6.78E-12 | 9.83E-08 |
| <i>C1QL1</i> | -0.3681746 | 6.67E-12 | 9.66E-08 |
| <i>TRIM9</i> | -0.3682722 | 6.57E-12 | 9.53E-08 |
| <i>PDE3A</i> | -0.3682912 | 6.56E-12 | 9.51E-08 |
| <i>C2orf74</i> | -0.3683296 | 6.52E-12 | 9.46E-08 |
| <i>TYROBP</i> | -0.3683382 | 6.51E-12 | 9.44E-08 |
| <i>ZNF471</i> | -0.368438 | 6.42E-12 | 9.32E-08 |
| <i>SUSD2</i> | -0.3684712 | 6.39E-12 | 9.27E-08 |
| <i>KRT222</i> | -0.3685308 | 6.34E-12 | 9.20E-08 |
| <i>ADAMTS15</i> | -0.3685353 | 6.34E-12 | 9.19E-08 |
| <i>THSD7A</i> | -0.3685412 | 6.33E-12 | 9.18E-08 |
| <i>CPNE4</i> | -0.3686619 | 6.22E-12 | 9.03E-08 |
| <i>GMEB1</i> | -0.3686871 | 6.20E-12 | 9.00E-08 |
| <i>EXOC7</i> | -0.3687375 | 6.16E-12 | 8.94E-08 |
| <i>RUSC1</i> | -0.368861 | 6.05E-12 | 8.78E-08 |
| <i>NCOA2</i> | -0.3688727 | 6.04E-12 | 8.77E-08 |
| <i>RNF168</i> | -0.3689237 | 6.00E-12 | 8.71E-08 |
| <i>VIP</i> | -0.3689355 | 5.99E-12 | 8.70E-08 |
| <i>EMP3</i> | -0.3689884 | 5.94E-12 | 8.63E-08 |

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| <i>GSTA1</i> | -0.3690141 | 5.92E-12 | 8.60E-08 |
| <i>GPR65</i> | -0.3690716 | 5.87E-12 | 8.53E-08 |
| <i>ADCY2</i> | -0.3690737 | 5.87E-12 | 8.53E-08 |
| <i>CORO1A</i> | -0.3690906 | 5.86E-12 | 8.51E-08 |
| <i>ZMAT4</i> | -0.3691148 | 5.84E-12 | 8.48E-08 |
| <i>ZNF264</i> | -0.3692633 | 5.72E-12 | 8.31E-08 |
| <i>ARHGAP36</i> | -0.3694129 | 5.60E-12 | 8.14E-08 |
| <i>ADC</i> | -0.3694266 | 5.59E-12 | 8.12E-08 |
| <i>AVIL</i> | -0.3694633 | 5.56E-12 | 8.08E-08 |
| <i>AIF1L</i> | -0.3695009 | 5.53E-12 | 8.04E-08 |
| <i>ADARB1</i> | -0.3695073 | 5.52E-12 | 8.03E-08 |
| <i>ANXA11</i> | -0.3695081 | 5.52E-12 | 8.03E-08 |
| <i>EHD4</i> | -0.3695884 | 5.46E-12 | 7.94E-08 |
| <i>LRRTM3</i> | -0.3696484 | 5.41E-12 | 7.88E-08 |
| <i>TMEM229A</i> | -0.3698685 | 5.25E-12 | 7.64E-08 |
| <i>DOLPP1</i> | -0.3699158 | 5.21E-12 | 7.59E-08 |
| <i>TMCC2</i> | -0.3699873 | 5.16E-12 | 7.51E-08 |
| <i>NUDT18</i> | -0.3699939 | 5.16E-12 | 7.50E-08 |
| <i>CD84</i> | -0.3700335 | 5.13E-12 | 7.46E-08 |
| <i>LYSMD3</i> | -0.3700485 | 5.12E-12 | 7.45E-08 |
| <i>SFXN1</i> | -0.3701112 | 5.07E-12 | 7.38E-08 |
| <i>AKAP3</i> | -0.3701205 | 5.07E-12 | 7.37E-08 |
| <i>NLRP7</i> | -0.3702222 | 4.99E-12 | 7.27E-08 |
| <i>TUBAL3</i> | -0.370225 | 4.99E-12 | 7.27E-08 |
| <i>IQSEC3</i> | -0.3702523 | 4.97E-12 | 7.24E-08 |
| <i>LDHAL6B</i> | -0.3704041 | 4.87E-12 | 7.09E-08 |
| <i>LTB</i> | -0.3704793 | 4.81E-12 | 7.01E-08 |
| <i>PTRF</i> | -0.3704944 | 4.80E-12 | 7.00E-08 |
| <i>MAP3K6</i> | -0.3705092 | 4.79E-12 | 6.99E-08 |
| <i>HSPG2</i> | -0.3705248 | 4.78E-12 | 6.97E-08 |
| <i>TUBB6</i> | -0.3705266 | 4.78E-12 | 6.97E-08 |
| <i>FAM45B</i> | -0.3705409 | 4.77E-12 | 6.96E-08 |
| <i>BDH1</i> | -0.3705732 | 4.75E-12 | 6.92E-08 |
| <i>SH3GL2</i> | -0.3706439 | 4.70E-12 | 6.86E-08 |
| <i>ABCG4</i> | -0.3709015 | 4.53E-12 | 6.61E-08 |
| <i>SLC6A9</i> | -0.3709076 | 4.53E-12 | 6.61E-08 |
| <i>XRN1</i> | -0.370937 | 4.51E-12 | 6.58E-08 |
| <i>C10orf72</i> | -0.3709489 | 4.50E-12 | 6.57E-08 |
| <i>CFL2</i> | -0.3709564 | 4.50E-12 | 6.56E-08 |
| <i>TRPA1</i> | -0.3709708 | 4.49E-12 | 6.55E-08 |
| <i>SMAD9</i> | -0.3709783 | 4.49E-12 | 6.54E-08 |
| <i>NRP1</i> | -0.3710211 | 4.46E-12 | 6.50E-08 |
| <i>COG8</i> | -0.3710278 | 4.45E-12 | 6.50E-08 |
| <i>LRP1</i> | -0.3710481 | 4.44E-12 | 6.48E-08 |
| <i>CD300LF</i> | -0.3710511 | 4.44E-12 | 6.48E-08 |
| <i>GLTSCR1</i> | -0.3712277 | 4.33E-12 | 6.32E-08 |
| <i>ANO3</i> | -0.3712494 | 4.32E-12 | 6.30E-08 |
| <i>MAFA</i> | -0.3712819 | 4.30E-12 | 6.27E-08 |
| <i>COL14A1</i> | -0.3713135 | 4.28E-12 | 6.24E-08 |
| <i>AGPAT1</i> | -0.3714278 | 4.21E-12 | 6.14E-08 |
| <i>HPCAL4</i> | -0.3714679 | 4.18E-12 | 6.11E-08 |

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| <i>STEAP4</i> | -0.3716116 | 4.10E-12 | 5.99E-08 |
| <i>EML1</i> | -0.3716883 | 4.05E-12 | 5.92E-08 |
| <i>HOXD8</i> | -0.3718363 | 3.97E-12 | 5.80E-08 |
| <i>MPL</i> | -0.3718564 | 3.96E-12 | 5.78E-08 |
| <i>CD74</i> | -0.3719238 | 3.92E-12 | 5.73E-08 |
| <i>PTGFRN</i> | -0.3719292 | 3.92E-12 | 5.73E-08 |
| <i>WASL</i> | -0.3719583 | 3.90E-12 | 5.70E-08 |
| <i>KIAA1614</i> | -0.3719786 | 3.89E-12 | 5.69E-08 |
| <i>C15orf55</i> | -0.3719951 | 3.88E-12 | 5.67E-08 |
| <i>PGGT1B</i> | -0.3720751 | 3.84E-12 | 5.61E-08 |
| <i>CMBL</i> | -0.372085 | 3.83E-12 | 5.60E-08 |
| <i>ERN2</i> | -0.3721429 | 3.80E-12 | 5.56E-08 |
| <i>NBR1</i> | -0.3724551 | 3.64E-12 | 5.32E-08 |
| <i>ARHGAP1</i> | -0.3725947 | 3.56E-12 | 5.21E-08 |
| <i>PCDHGA5</i> | -0.3726492 | 3.54E-12 | 5.17E-08 |
| <i>TMEM20</i> | -0.3727239 | 3.50E-12 | 5.12E-08 |
| <i>GNB1</i> | -0.372807 | 3.46E-12 | 5.06E-08 |
| <i>LRRC4C</i> | -0.3728494 | 3.44E-12 | 5.03E-08 |
| <i>APBB1</i> | -0.3729377 | 3.39E-12 | 4.97E-08 |
| <i>RGS22</i> | -0.3729776 | 3.37E-12 | 4.94E-08 |
| <i>RAB26</i> | -0.3730426 | 3.34E-12 | 4.89E-08 |
| <i>ZNF154</i> | -0.3730802 | 3.32E-12 | 4.87E-08 |
| <i>ATXN1L</i> | -0.3730906 | 3.32E-12 | 4.86E-08 |
| <i>HOMER2</i> | -0.3732641 | 3.24E-12 | 4.74E-08 |
| <i>LAPTM5</i> | -0.3733233 | 3.21E-12 | 4.71E-08 |
| <i>C15orf59</i> | -0.3734099 | 3.17E-12 | 4.65E-08 |
| <i>C5orf30</i> | -0.3734897 | 3.14E-12 | 4.60E-08 |
| <i>CCDC109A</i> | -0.3734981 | 3.13E-12 | 4.59E-08 |
| <i>KCNE1</i> | -0.3735166 | 3.12E-12 | 4.58E-08 |
| <i>MYL9</i> | -0.3736038 | 3.08E-12 | 4.52E-08 |
| <i>C10orf140</i> | -0.3736449 | 3.07E-12 | 4.50E-08 |
| <i>SYTL2</i> | -0.3736696 | 3.06E-12 | 4.48E-08 |
| <i>FAM43B</i> | -0.373721 | 3.03E-12 | 4.45E-08 |
| <i>ECH1</i> | -0.3737687 | 3.01E-12 | 4.42E-08 |
| <i>CCDC88C</i> | -0.3738516 | 2.98E-12 | 4.37E-08 |
| <i>FKBP1B</i> | -0.3738523 | 2.98E-12 | 4.37E-08 |
| <i>CETN4P</i> | -0.3738629 | 2.97E-12 | 4.36E-08 |
| <i>PLEK</i> | -0.3738665 | 2.97E-12 | 4.36E-08 |
| <i>PPP1R14A</i> | -0.3738689 | 2.97E-12 | 4.36E-08 |
| <i>WDTC1</i> | -0.3739271 | 2.94E-12 | 4.32E-08 |
| <i>CLC</i> | -0.3740624 | 2.89E-12 | 4.24E-08 |
| <i>CNNM1</i> | -0.3741461 | 2.85E-12 | 4.19E-08 |
| <i>ZNF568</i> | -0.3741938 | 2.83E-12 | 4.16E-08 |
| <i>LGALS3BP</i> | -0.3742198 | 2.82E-12 | 4.15E-08 |
| <i>MOSC2</i> | -0.3742293 | 2.82E-12 | 4.14E-08 |
| <i>ZNF727</i> | -0.3742402 | 2.82E-12 | 4.14E-08 |
| <i>PBLD</i> | -0.3742479 | 2.81E-12 | 4.13E-08 |
| <i>ATP6V1D</i> | -0.374335 | 2.78E-12 | 4.08E-08 |
| <i>RALGAPA1</i> | -0.3745153 | 2.71E-12 | 3.98E-08 |
| <i>CXCR6</i> | -0.374564 | 2.69E-12 | 3.95E-08 |
| <i>MGC16703</i> | -0.3746471 | 2.66E-12 | 3.90E-08 |

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| <i>GZMK</i> | -0.3746856 | 2.64E-12 | 3.88E-08 |
| <i>OLFML1</i> | -0.3748158 | 2.59E-12 | 3.81E-08 |
| <i>DTX4</i> | -0.3751522 | 2.47E-12 | 3.63E-08 |
| <i>KLHDC7A</i> | -0.3753157 | 2.41E-12 | 3.55E-08 |
| <i>EVC2</i> | -0.3753262 | 2.41E-12 | 3.54E-08 |
| <i>SAMD4A</i> | -0.3753333 | 2.41E-12 | 3.54E-08 |
| <i>FRYL</i> | -0.375414 | 2.38E-12 | 3.50E-08 |
| <i>GRIN1</i> | -0.3754254 | 2.37E-12 | 3.49E-08 |
| <i>RIT2</i> | -0.3755251 | 2.34E-12 | 3.45E-08 |
| <i>ZNF667</i> | -0.3756001 | 2.32E-12 | 3.41E-08 |
| <i>LOC154822</i> | -0.3756343 | 2.30E-12 | 3.39E-08 |
| <i>TBC1D2</i> | -0.3756486 | 2.30E-12 | 3.39E-08 |
| <i>VDR</i> | -0.3756592 | 2.30E-12 | 3.38E-08 |
| <i>MEIS1</i> | -0.3757193 | 2.28E-12 | 3.35E-08 |
| <i>FUT11</i> | -0.375862 | 2.23E-12 | 3.28E-08 |
| <i>GPR37L1</i> | -0.375895 | 2.22E-12 | 3.27E-08 |
| <i>ABCC3</i> | -0.3759081 | 2.21E-12 | 3.26E-08 |
| <i>CLVS2</i> | -0.3759324 | 2.21E-12 | 3.25E-08 |
| <i>PLIN1</i> | -0.3759716 | 2.19E-12 | 3.23E-08 |
| <i>PGA4</i> | -0.3759887 | 2.19E-12 | 3.23E-08 |
| <i>DIP2A</i> | -0.3761723 | 2.13E-12 | 3.14E-08 |
| <i>FCHO2</i> | -0.3762439 | 2.11E-12 | 3.11E-08 |
| <i>MAN1C1</i> | -0.3764127 | 2.06E-12 | 3.04E-08 |
| <i>C1orf38</i> | -0.3764791 | 2.04E-12 | 3.01E-08 |
| <i>DES</i> | -0.3764798 | 2.04E-12 | 3.01E-08 |
| <i>CIITA</i> | -0.3764842 | 2.04E-12 | 3.00E-08 |
| <i>SLC6A8</i> | -0.376529 | 2.02E-12 | 2.99E-08 |
| <i>CEACAM1</i> | -0.3765409 | 2.02E-12 | 2.98E-08 |
| <i>TMEM155</i> | -0.376564 | 2.01E-12 | 2.97E-08 |
| <i>PPP1R1A</i> | -0.3765647 | 2.01E-12 | 2.97E-08 |
| <i>JAM3</i> | -0.3766446 | 1.99E-12 | 2.94E-08 |
| <i>PTPRS</i> | -0.3766609 | 1.99E-12 | 2.93E-08 |
| <i>C11orf24</i> | -0.3766656 | 1.98E-12 | 2.93E-08 |
| <i>TMEM35</i> | -0.3766669 | 1.98E-12 | 2.93E-08 |
| <i>HSPA12B</i> | -0.3766775 | 1.98E-12 | 2.92E-08 |
| <i>LOC153328</i> | -0.3766992 | 1.98E-12 | 2.92E-08 |
| <i>AKR1B15</i> | -0.376776 | 1.95E-12 | 2.88E-08 |
| <i>RERG</i> | -0.3767879 | 1.95E-12 | 2.88E-08 |
| <i>C6orf155</i> | -0.3768425 | 1.93E-12 | 2.86E-08 |
| <i>EBF4</i> | -0.3768603 | 1.93E-12 | 2.85E-08 |
| <i>HAPLN1</i> | -0.376877 | 1.92E-12 | 2.84E-08 |
| <i>C12orf57</i> | -0.3768795 | 1.92E-12 | 2.84E-08 |
| <i>MYCT1</i> | -0.3770515 | 1.88E-12 | 2.77E-08 |
| <i>CNTN3</i> | -0.3770851 | 1.87E-12 | 2.76E-08 |
| <i>SOX5</i> | -0.3771065 | 1.86E-12 | 2.75E-08 |
| <i>CACNA1B</i> | -0.3772556 | 1.82E-12 | 2.69E-08 |
| <i>CDRT4</i> | -0.3772573 | 1.82E-12 | 2.69E-08 |
| <i>FAM168A</i> | -0.3773211 | 1.80E-12 | 2.67E-08 |
| <i>GPR26</i> | -0.3773595 | 1.79E-12 | 2.65E-08 |
| <i>ELMO1</i> | -0.3773868 | 1.79E-12 | 2.64E-08 |
| <i>KCNN1</i> | -0.3774708 | 1.77E-12 | 2.61E-08 |

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| <i>SULT1B1</i> | -0.3775067 | 1.76E-12 | 2.60E-08 |
| <i>PVRIG</i> | -0.3775437 | 1.75E-12 | 2.58E-08 |
| <i>LIX1</i> | -0.3776135 | 1.73E-12 | 2.56E-08 |
| <i>TSC22D3</i> | -0.3776876 | 1.71E-12 | 2.53E-08 |
| <i>CACNA2D1</i> | -0.3777451 | 1.70E-12 | 2.51E-08 |
| <i>LOC606724</i> | -0.3778724 | 1.67E-12 | 2.46E-08 |
| <i>PAX5</i> | -0.3779183 | 1.65E-12 | 2.45E-08 |
| <i>ARHGAP21</i> | -0.3779736 | 1.64E-12 | 2.43E-08 |
| <i>GPD2</i> | -0.3780132 | 1.63E-12 | 2.41E-08 |
| <i>GALNT13</i> | -0.378084 | 1.62E-12 | 2.39E-08 |
| <i>CHCHD10</i> | -0.3781019 | 1.61E-12 | 2.38E-08 |
| <i>NKAPL</i> | -0.3781379 | 1.60E-12 | 2.37E-08 |
| <i>USHBP1</i> | -0.378189 | 1.59E-12 | 2.35E-08 |
| <i>ANKRD13C</i> | -0.378214 | 1.59E-12 | 2.35E-08 |
| <i>KDM4B</i> | -0.3784141 | 1.54E-12 | 2.28E-08 |
| <i>COL4A4</i> | -0.37844 | 1.53E-12 | 2.27E-08 |
| <i>TRAF6</i> | -0.3784407 | 1.53E-12 | 2.27E-08 |
| <i>GALNT1</i> | -0.3784706 | 1.53E-12 | 2.26E-08 |
| <i>PNPLA6</i> | -0.3785551 | 1.51E-12 | 2.23E-08 |
| <i>MASP2</i> | -0.3786258 | 1.49E-12 | 2.21E-08 |
| <i>SORCS3</i> | -0.378684 | 1.48E-12 | 2.19E-08 |
| <i>CLEC4F</i> | -0.3787018 | 1.48E-12 | 2.19E-08 |
| <i>PNMAL2</i> | -0.3787722 | 1.46E-12 | 2.17E-08 |
| <i>LOC728264</i> | -0.378902 | 1.43E-12 | 2.13E-08 |
| <i>SCNN1G</i> | -0.3789409 | 1.43E-12 | 2.11E-08 |
| <i>GPATCH3</i> | -0.3789476 | 1.42E-12 | 2.11E-08 |
| <i>KRT25</i> | -0.3791004 | 1.39E-12 | 2.07E-08 |
| <i>SRGN</i> | -0.3791009 | 1.39E-12 | 2.07E-08 |
| <i>C1QTNF4</i> | -0.3791486 | 1.38E-12 | 2.05E-08 |
| <i>FXYD3</i> | -0.3792066 | 1.37E-12 | 2.03E-08 |
| <i>RPH3AL</i> | -0.3792431 | 1.36E-12 | 2.02E-08 |
| <i>GPR183</i> | -0.3793129 | 1.35E-12 | 2.00E-08 |
| <i>ZNF135</i> | -0.3793149 | 1.35E-12 | 2.00E-08 |
| <i>KCNH1</i> | -0.3793222 | 1.35E-12 | 2.00E-08 |
| <i>HLA-DMB</i> | -0.3793674 | 1.34E-12 | 1.99E-08 |
| <i>CD300C</i> | -0.3793881 | 1.34E-12 | 1.98E-08 |
| <i>AKR7A2</i> | -0.3794062 | 1.33E-12 | 1.98E-08 |
| <i>FOXO4</i> | -0.37941 | 1.33E-12 | 1.98E-08 |
| <i>SGSM2</i> | -0.3794439 | 1.32E-12 | 1.97E-08 |
| <i>XCL1</i> | -0.3794756 | 1.32E-12 | 1.96E-08 |
| <i>UNC13B</i> | -0.379525 | 1.31E-12 | 1.94E-08 |
| <i>TCEAL6</i> | -0.3796278 | 1.29E-12 | 1.91E-08 |
| <i>PMP22</i> | -0.3796484 | 1.29E-12 | 1.91E-08 |
| <i>NR2F6</i> | -0.379661 | 1.28E-12 | 1.91E-08 |
| <i>SLMAP</i> | -0.3796969 | 1.28E-12 | 1.90E-08 |
| <i>LOC25845</i> | -0.3797509 | 1.27E-12 | 1.88E-08 |
| <i>SLITRK5</i> | -0.3798952 | 1.24E-12 | 1.84E-08 |
| <i>RAB11B</i> | -0.3799231 | 1.24E-12 | 1.83E-08 |
| <i>SIGLEC16</i> | -0.3799346 | 1.23E-12 | 1.83E-08 |
| <i>MAX</i> | -0.3799439 | 1.23E-12 | 1.83E-08 |
| <i>SLC35F3</i> | -0.3799719 | 1.23E-12 | 1.82E-08 |

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| <i>GRIK2</i> | -0.3799825 | 1.22E-12 | 1.82E-08 |
| <i>SWAP70</i> | -0.3800132 | 1.22E-12 | 1.81E-08 |
| <i>NEK1</i> | -0.3800416 | 1.21E-12 | 1.80E-08 |
| <i>LMO3</i> | -0.3802205 | 1.18E-12 | 1.76E-08 |
| <i>C5orf56</i> | -0.3802283 | 1.18E-12 | 1.76E-08 |
| <i>MTOR</i> | -0.3802623 | 1.18E-12 | 1.75E-08 |
| <i>CHGB</i> | -0.3803059 | 1.17E-12 | 1.74E-08 |
| <i>CASP5</i> | -0.3803887 | 1.15E-12 | 1.72E-08 |
| <i>NPR2</i> | -0.3804229 | 1.15E-12 | 1.71E-08 |
| <i>DOPEY2</i> | -0.3804424 | 1.14E-12 | 1.70E-08 |
| <i>TMEM132D</i> | -0.3804883 | 1.14E-12 | 1.69E-08 |
| <i>CRTAM</i> | -0.3804989 | 1.14E-12 | 1.69E-08 |
| <i>XYLT1</i> | -0.3805885 | 1.12E-12 | 1.67E-08 |
| <i>BNC2</i> | -0.3806929 | 1.10E-12 | 1.64E-08 |
| <i>CLDN11</i> | -0.3806962 | 1.10E-12 | 1.64E-08 |
| <i>LMO4</i> | -0.38073 | 1.10E-12 | 1.63E-08 |
| <i>CD2</i> | -0.3807514 | 1.09E-12 | 1.63E-08 |
| <i>JAKMIP3</i> | -0.3807616 | 1.09E-12 | 1.63E-08 |
| <i>REEP3</i> | -0.3808221 | 1.08E-12 | 1.61E-08 |
| <i>C1QTNF9</i> | -0.3809671 | 1.06E-12 | 1.58E-08 |
| <i>NFAM1</i> | -0.3809787 | 1.06E-12 | 1.58E-08 |
| <i>TMPPE</i> | -0.3810418 | 1.05E-12 | 1.56E-08 |
| <i>TRHDE</i> | -0.381331 | 1.00E-12 | 1.50E-08 |
| <i>MYH3</i> | -0.3814146 | 9.92E-13 | 1.48E-08 |
| <i>SREBF2</i> | -0.381443 | 9.88E-13 | 1.47E-08 |
| <i>ACTG2</i> | -0.3815452 | 9.73E-13 | 1.45E-08 |
| <i>MIA3</i> | -0.381548 | 9.73E-13 | 1.45E-08 |
| <i>IL17B</i> | -0.3816189 | 9.63E-13 | 1.43E-08 |
| <i>KLHDC1</i> | -0.3816369 | 9.60E-13 | 1.43E-08 |
| <i>ATP10D</i> | -0.3816651 | 9.56E-13 | 1.43E-08 |
| <i>STRADA</i> | -0.3817009 | 9.51E-13 | 1.42E-08 |
| <i>SCRG1</i> | -0.3818435 | 9.32E-13 | 1.39E-08 |
| <i>NAP1L3</i> | -0.3818706 | 9.28E-13 | 1.38E-08 |
| <i>PCSK6</i> | -0.3819529 | 9.17E-13 | 1.37E-08 |
| <i>TRIM69</i> | -0.3819982 | 9.11E-13 | 1.36E-08 |
| <i>SGCE</i> | -0.3820646 | 9.02E-13 | 1.34E-08 |
| <i>PTPN22</i> | -0.3820855 | 8.99E-13 | 1.34E-08 |
| <i>ZNF385A</i> | -0.3821226 | 8.94E-13 | 1.33E-08 |
| <i>ERGIC1</i> | -0.3821338 | 8.93E-13 | 1.33E-08 |
| <i>RARRES1</i> | -0.3821349 | 8.92E-13 | 1.33E-08 |
| <i>RAB8A</i> | -0.3821541 | 8.90E-13 | 1.33E-08 |
| <i>SLC10A1</i> | -0.3822084 | 8.83E-13 | 1.32E-08 |
| <i>ACAA1</i> | -0.3822348 | 8.79E-13 | 1.31E-08 |
| <i>FASLG</i> | -0.3822823 | 8.73E-13 | 1.30E-08 |
| <i>LOC257358</i> | -0.382384 | 8.60E-13 | 1.28E-08 |
| <i>REEP2</i> | -0.3824177 | 8.56E-13 | 1.28E-08 |
| <i>ATP6VOA1</i> | -0.3825034 | 8.45E-13 | 1.26E-08 |
| <i>PRHOXNB</i> | -0.3825057 | 8.45E-13 | 1.26E-08 |
| <i>AVPI1</i> | -0.3825296 | 8.42E-13 | 1.26E-08 |
| <i>COX6B2</i> | -0.3825432 | 8.40E-13 | 1.25E-08 |
| <i>PDK2</i> | -0.3827043 | 8.20E-13 | 1.23E-08 |

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| <i>PTGIS</i> | -0.3828584 | 8.02E-13 | 1.20E-08 |
| <i>GSTM2P1</i> | -0.3829215 | 7.95E-13 | 1.19E-08 |
| <i>HYAL1</i> | -0.3829578 | 7.90E-13 | 1.18E-08 |
| <i>FXR2</i> | -0.3829767 | 7.88E-13 | 1.18E-08 |
| <i>IFNAR1</i> | -0.3830573 | 7.79E-13 | 1.16E-08 |
| <i>PARM1</i> | -0.3830766 | 7.77E-13 | 1.16E-08 |
| <i>EDNRB</i> | -0.383116 | 7.72E-13 | 1.15E-08 |
| <i>GPR182</i> | -0.3831331 | 7.70E-13 | 1.15E-08 |
| <i>SLA</i> | -0.3832617 | 7.56E-13 | 1.13E-08 |
| <i>GRIA2</i> | -0.3832935 | 7.52E-13 | 1.12E-08 |
| <i>ITIH5</i> | -0.3833435 | 7.46E-13 | 1.12E-08 |
| <i>MAP6</i> | -0.3833548 | 7.45E-13 | 1.11E-08 |
| <i>TNKS1BP1</i> | -0.3834489 | 7.35E-13 | 1.10E-08 |
| <i>MASP1</i> | -0.3834588 | 7.34E-13 | 1.10E-08 |
| <i>FAM82A1</i> | -0.3836663 | 7.12E-13 | 1.06E-08 |
| <i>EPC1</i> | -0.3837833 | 6.99E-13 | 1.05E-08 |
| <i>MEIS3P1</i> | -0.3838897 | 6.88E-13 | 1.03E-08 |
| <i>PRDM1</i> | -0.3839728 | 6.80E-13 | 1.02E-08 |
| <i>RASD1</i> | -0.3840485 | 6.72E-13 | 1.01E-08 |
| <i>PRKACB</i> | -0.3840636 | 6.71E-13 | 1.00E-08 |
| <i>ZNF492</i> | -0.3841087 | 6.66E-13 | 9.98E-09 |
| <i>BIRC3</i> | -0.3841341 | 6.64E-13 | 9.94E-09 |
| <i>CYP2C18</i> | -0.3841637 | 6.61E-13 | 9.90E-09 |
| <i>DDX6</i> | -0.3842184 | 6.56E-13 | 9.82E-09 |
| <i>RAB8B</i> | -0.3842776 | 6.50E-13 | 9.73E-09 |
| <i>HTR3B</i> | -0.3842873 | 6.49E-13 | 9.72E-09 |
| <i>SMAD1</i> | -0.3845133 | 6.27E-13 | 9.40E-09 |
| <i>C4orf7</i> | -0.3845707 | 6.22E-13 | 9.32E-09 |
| <i>SLC8A1</i> | -0.3846193 | 6.18E-13 | 9.25E-09 |
| <i>C5orf4</i> | -0.3846637 | 6.14E-13 | 9.20E-09 |
| <i>SELP</i> | -0.3847175 | 6.09E-13 | 9.12E-09 |
| <i>SNCB</i> | -0.3847833 | 6.03E-13 | 9.03E-09 |
| <i>LAT2</i> | -0.3848117 | 6.00E-13 | 9.00E-09 |
| <i>SAMSN1</i> | -0.3848298 | 5.99E-13 | 8.97E-09 |
| <i>KLHL14</i> | -0.3848556 | 5.96E-13 | 8.94E-09 |
| <i>ADRA1B</i> | -0.3849064 | 5.92E-13 | 8.87E-09 |
| <i>PRKD2</i> | -0.3849364 | 5.89E-13 | 8.83E-09 |
| <i>EGLN2</i> | -0.3850929 | 5.76E-13 | 8.63E-09 |
| <i>NEURL4</i> | -0.3851074 | 5.74E-13 | 8.61E-09 |
| <i>RET</i> | -0.3851407 | 5.72E-13 | 8.57E-09 |
| <i>SYNE2</i> | -0.3851513 | 5.71E-13 | 8.56E-09 |
| <i>SEMA6B</i> | -0.3851732 | 5.69E-13 | 8.53E-09 |
| <i>FMO4</i> | -0.3851902 | 5.67E-13 | 8.51E-09 |
| <i>BOC</i> | -0.3852563 | 5.62E-13 | 8.43E-09 |
| <i>NLRP3</i> | -0.3853046 | 5.58E-13 | 8.37E-09 |
| <i>C17orf60</i> | -0.3853224 | 5.56E-13 | 8.35E-09 |
| <i>VIM</i> | -0.3853282 | 5.56E-13 | 8.34E-09 |
| <i>ASB5</i> | -0.3853614 | 5.53E-13 | 8.30E-09 |
| <i>AVPR2</i> | -0.3853683 | 5.52E-13 | 8.29E-09 |
| <i>SLC4A1</i> | -0.385387 | 5.51E-13 | 8.27E-09 |
| <i>PLCD4</i> | -0.3854134 | 5.49E-13 | 8.24E-09 |

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| <i>ITGB2</i> | -0.3854213 | 5.48E-13 | 8.23E-09 |
| <i>CALHM2</i> | -0.3854215 | 5.48E-13 | 8.23E-09 |
| <i>FMN2</i> | -0.3854861 | 5.43E-13 | 8.15E-09 |
| <i>CCNJL</i> | -0.3855779 | 5.35E-13 | 8.04E-09 |
| <i>FAM54B</i> | -0.3856139 | 5.33E-13 | 8.00E-09 |
| <i>MAPT</i> | -0.3856543 | 5.29E-13 | 7.95E-09 |
| <i>PDLIM1</i> | -0.3857405 | 5.23E-13 | 7.85E-09 |
| <i>CD68</i> | -0.3857866 | 5.19E-13 | 7.80E-09 |
| <i>TRAFD1</i> | -0.3858147 | 5.17E-13 | 7.77E-09 |
| <i>RAB14</i> | -0.3858267 | 5.16E-13 | 7.75E-09 |
| <i>SPEG</i> | -0.3859213 | 5.09E-13 | 7.65E-09 |
| <i>ETV3</i> | -0.3859551 | 5.06E-13 | 7.61E-09 |
| <i>RBKS</i> | -0.3859845 | 5.04E-13 | 7.58E-09 |
| <i>IL12RB1</i> | -0.3861232 | 4.94E-13 | 7.42E-09 |
| <i>SNIP1</i> | -0.3861293 | 4.93E-13 | 7.42E-09 |
| <i>NPY1R</i> | -0.3861648 | 4.91E-13 | 7.38E-09 |
| <i>SLC5A11</i> | -0.3861784 | 4.90E-13 | 7.36E-09 |
| <i>COX10</i> | -0.3862462 | 4.85E-13 | 7.29E-09 |
| <i>SF3A1</i> | -0.3862678 | 4.83E-13 | 7.27E-09 |
| <i>RBM23</i> | -0.3863585 | 4.77E-13 | 7.17E-09 |
| <i>KCNJ5</i> | -0.3864307 | 4.71E-13 | 7.09E-09 |
| <i>NKG7</i> | -0.3864352 | 4.71E-13 | 7.09E-09 |
| <i>PAK3</i> | -0.3864647 | 4.69E-13 | 7.06E-09 |
| <i>C12orf63</i> | -0.3865794 | 4.61E-13 | 6.94E-09 |
| <i>HIPK3</i> | -0.3866401 | 4.57E-13 | 6.88E-09 |
| <i>KCNJ2</i> | -0.3867198 | 4.51E-13 | 6.80E-09 |
| <i>NUDT10</i> | -0.3867483 | 4.49E-13 | 6.77E-09 |
| <i>WDR64</i> | -0.3868218 | 4.45E-13 | 6.69E-09 |
| <i>FUT9</i> | -0.3869313 | 4.37E-13 | 6.59E-09 |
| <i>PRKACA</i> | -0.3869816 | 4.34E-13 | 6.54E-09 |
| <i>USP51</i> | -0.3870599 | 4.29E-13 | 6.46E-09 |
| <i>MORN5</i> | -0.3870811 | 4.28E-13 | 6.44E-09 |
| <i>RFX6</i> | -0.3871694 | 4.22E-13 | 6.36E-09 |
| <i>SORT1</i> | -0.3872199 | 4.19E-13 | 6.31E-09 |
| <i>EPHX2</i> | -0.3872248 | 4.19E-13 | 6.31E-09 |
| <i>RNF138P1</i> | -0.3872646 | 4.16E-13 | 6.27E-09 |
| <i>AQP11</i> | -0.3873206 | 4.13E-13 | 6.22E-09 |
| <i>ELMOD1</i> | -0.3873221 | 4.12E-13 | 6.22E-09 |
| <i>LDOC1</i> | -0.3873983 | 4.08E-13 | 6.15E-09 |
| <i>PRRT2</i> | -0.3874747 | 4.03E-13 | 6.08E-09 |
| <i>C18orf8</i> | -0.3875806 | 3.97E-13 | 5.98E-09 |
| <i>LOC1001295</i> | -0.3876312 | 3.94E-13 | 5.94E-09 |
| <i>ASB11</i> | -0.3878009 | 3.84E-13 | 5.79E-09 |
| <i>MYL6</i> | -0.3878847 | 3.79E-13 | 5.72E-09 |
| <i>DAAM1</i> | -0.3879648 | 3.74E-13 | 5.65E-09 |
| <i>IQGAP1</i> | -0.387992 | 3.73E-13 | 5.63E-09 |
| <i>MYO1D</i> | -0.3880277 | 3.71E-13 | 5.60E-09 |
| <i>EPN2</i> | -0.3880346 | 3.71E-13 | 5.59E-09 |
| <i>ABHD15</i> | -0.3880412 | 3.70E-13 | 5.59E-09 |
| <i>C3AR1</i> | -0.3882311 | 3.60E-13 | 5.43E-09 |
| <i>SPATA18</i> | -0.3882809 | 3.57E-13 | 5.39E-09 |

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| <i>LPCAT3</i> | -0.3885428 | 3.43E-13 | 5.18E-09 |
| <i>PI4KB</i> | -0.3885833 | 3.41E-13 | 5.15E-09 |
| <i>ZNF542</i> | -0.388621 | 3.39E-13 | 5.12E-09 |
| <i>AK5</i> | -0.3886355 | 3.38E-13 | 5.11E-09 |
| <i>RNASE1</i> | -0.3886671 | 3.37E-13 | 5.09E-09 |
| <i>GPAT2</i> | -0.3887087 | 3.35E-13 | 5.06E-09 |
| <i>ANKHD1-EIF</i> | -0.3887218 | 3.34E-13 | 5.05E-09 |
| <i>MYBPC2</i> | -0.3887815 | 3.31E-13 | 5.01E-09 |
| <i>FAM149A</i> | -0.3888465 | 3.28E-13 | 4.96E-09 |
| <i>ALDH3A2</i> | -0.3888656 | 3.27E-13 | 4.94E-09 |
| <i>HRK</i> | -0.3889994 | 3.20E-13 | 4.85E-09 |
| <i>FRK</i> | -0.3890414 | 3.18E-13 | 4.82E-09 |
| <i>C14orf45</i> | -0.3890507 | 3.18E-13 | 4.81E-09 |
| <i>SLC35A3</i> | -0.3890852 | 3.16E-13 | 4.78E-09 |
| <i>ALG12</i> | -0.389154 | 3.13E-13 | 4.73E-09 |
| <i>FAM116B</i> | -0.3892245 | 3.10E-13 | 4.69E-09 |
| <i>SEC23A</i> | -0.3892272 | 3.10E-13 | 4.68E-09 |
| <i>ABP1</i> | -0.3892836 | 3.07E-13 | 4.64E-09 |
| <i>IGSF9</i> | -0.3893519 | 3.04E-13 | 4.60E-09 |
| <i>CYP3A4</i> | -0.3894766 | 2.98E-13 | 4.51E-09 |
| <i>EEF2K</i> | -0.3894897 | 2.98E-13 | 4.50E-09 |
| <i>NEU4</i> | -0.3895505 | 2.95E-13 | 4.46E-09 |
| <i>LRRN3</i> | -0.3895793 | 2.94E-13 | 4.44E-09 |
| <i>PRKCH</i> | -0.3896083 | 2.92E-13 | 4.42E-09 |
| <i>SYP</i> | -0.389677 | 2.89E-13 | 4.38E-09 |
| <i>FXYD6</i> | -0.3897033 | 2.88E-13 | 4.36E-09 |
| <i>NFIC</i> | -0.3897235 | 2.87E-13 | 4.35E-09 |
| <i>KIAA0284</i> | -0.3898021 | 2.84E-13 | 4.30E-09 |
| <i>CD300A</i> | -0.389816 | 2.83E-13 | 4.29E-09 |
| <i>C11orf21</i> | -0.3898374 | 2.82E-13 | 4.28E-09 |
| <i>BLVRB</i> | -0.38997 | 2.77E-13 | 4.19E-09 |
| <i>GLI3</i> | -0.3900112 | 2.75E-13 | 4.17E-09 |
| <i>NDST2</i> | -0.3900133 | 2.75E-13 | 4.17E-09 |
| <i>TMOD1</i> | -0.3900296 | 2.74E-13 | 4.16E-09 |
| <i>SYT11</i> | -0.3901551 | 2.69E-13 | 4.08E-09 |
| <i>TCEA3</i> | -0.3902516 | 2.65E-13 | 4.02E-09 |
| <i>GPR20</i> | -0.3904245 | 2.58E-13 | 3.91E-09 |
| <i>MAMLD1</i> | -0.3904468 | 2.57E-13 | 3.90E-09 |
| <i>PDZRN3</i> | -0.3905134 | 2.55E-13 | 3.86E-09 |
| <i>DENND2A</i> | -0.3905573 | 2.53E-13 | 3.84E-09 |
| <i>C15orf17</i> | -0.3906407 | 2.50E-13 | 3.79E-09 |
| <i>DHH</i> | -0.3907145 | 2.47E-13 | 3.75E-09 |
| <i>FLJ35220</i> | -0.3907472 | 2.46E-13 | 3.73E-09 |
| <i>HK1</i> | -0.3907685 | 2.45E-13 | 3.72E-09 |
| <i>PCDHA3</i> | -0.3909357 | 2.39E-13 | 3.63E-09 |
| <i>OMD</i> | -0.3909885 | 2.37E-13 | 3.60E-09 |
| <i>CBARA1</i> | -0.3909909 | 2.37E-13 | 3.60E-09 |
| <i>ITGA4</i> | -0.3910127 | 2.36E-13 | 3.59E-09 |
| <i>KCNG1</i> | -0.3910614 | 2.34E-13 | 3.56E-09 |
| <i>GSR</i> | -0.3911046 | 2.33E-13 | 3.54E-09 |
| <i>ALAS2</i> | -0.3911373 | 2.32E-13 | 3.52E-09 |

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| <i>HLA-DQA1</i> | -0.3911918 | 2.30E-13 | 3.49E-09 |
| <i>APLP2</i> | -0.3912227 | 2.29E-13 | 3.47E-09 |
| <i>CFLAR</i> | -0.3913562 | 2.24E-13 | 3.40E-09 |
| <i>SOS1</i> | -0.391491 | 2.20E-13 | 3.34E-09 |
| <i>LGI4</i> | -0.3915221 | 2.19E-13 | 3.32E-09 |
| <i>NISCH</i> | -0.3915338 | 2.18E-13 | 3.31E-09 |
| <i>WDR17</i> | -0.3915873 | 2.16E-13 | 3.29E-09 |
| <i>CACNB2</i> | -0.39165 | 2.14E-13 | 3.26E-09 |
| <i>ATP6V1B2</i> | -0.3917062 | 2.13E-13 | 3.23E-09 |
| <i>EMR4P</i> | -0.3918348 | 2.08E-13 | 3.17E-09 |
| <i>DAZAP2</i> | -0.3920194 | 2.03E-13 | 3.08E-09 |
| <i>TMBIM1</i> | -0.3920362 | 2.02E-13 | 3.07E-09 |
| <i>NCAN</i> | -0.3920538 | 2.02E-13 | 3.06E-09 |
| <i>SCO1</i> | -0.3920652 | 2.01E-13 | 3.06E-09 |
| <i>NCRNA0008</i> | -0.3921092 | 2.00E-13 | 3.04E-09 |
| <i>RGS3</i> | -0.3921521 | 1.99E-13 | 3.02E-09 |
| <i>TOX2</i> | -0.3922538 | 1.95E-13 | 2.97E-09 |
| <i>RAB33A</i> | -0.3922653 | 1.95E-13 | 2.97E-09 |
| <i>PCDH11Y</i> | -0.392312 | 1.94E-13 | 2.95E-09 |
| <i>LOC150622</i> | -0.3924081 | 1.91E-13 | 2.90E-09 |
| <i>PIAS1</i> | -0.3924139 | 1.91E-13 | 2.90E-09 |
| <i>FGFR1</i> | -0.3924667 | 1.89E-13 | 2.88E-09 |
| <i>C1orf106</i> | -0.3925494 | 1.87E-13 | 2.84E-09 |
| <i>NAP1L6</i> | -0.392573 | 1.86E-13 | 2.83E-09 |
| <i>C1orf21</i> | -0.392638 | 1.84E-13 | 2.81E-09 |
| <i>TSHZ3</i> | -0.3927267 | 1.82E-13 | 2.77E-09 |
| <i>SYNC</i> | -0.3930957 | 1.72E-13 | 2.62E-09 |
| <i>MED16</i> | -0.3931263 | 1.71E-13 | 2.61E-09 |
| <i>ST6GALNAC</i> | -0.3932161 | 1.69E-13 | 2.57E-09 |
| <i>PALLD</i> | -0.3932685 | 1.67E-13 | 2.55E-09 |
| <i>ARID1A</i> | -0.3932963 | 1.67E-13 | 2.54E-09 |
| <i>CD3D</i> | -0.3933289 | 1.66E-13 | 2.53E-09 |
| <i>CLEC16A</i> | -0.3933784 | 1.65E-13 | 2.51E-09 |
| <i>IL9R</i> | -0.3934095 | 1.64E-13 | 2.50E-09 |
| <i>TRIM50</i> | -0.3935302 | 1.61E-13 | 2.45E-09 |
| <i>SVOP</i> | -0.3935352 | 1.61E-13 | 2.45E-09 |
| <i>SHISA3</i> | -0.3936484 | 1.58E-13 | 2.41E-09 |
| <i>GPR120</i> | -0.3937522 | 1.55E-13 | 2.37E-09 |
| <i>CD8A</i> | -0.3937996 | 1.54E-13 | 2.35E-09 |
| <i>PHYHIP</i> | -0.3939022 | 1.52E-13 | 2.32E-09 |
| <i>CLEC14A</i> | -0.39398 | 1.50E-13 | 2.29E-09 |
| <i>RNF165</i> | -0.3940195 | 1.49E-13 | 2.28E-09 |
| <i>DCAF12L2</i> | -0.3940274 | 1.49E-13 | 2.27E-09 |
| <i>SPG20</i> | -0.3940536 | 1.48E-13 | 2.27E-09 |
| <i>LGALS9B</i> | -0.3940546 | 1.48E-13 | 2.27E-09 |
| <i>CCL16</i> | -0.3940863 | 1.48E-13 | 2.25E-09 |
| <i>GPM6B</i> | -0.3941055 | 1.47E-13 | 2.25E-09 |
| <i>C12orf51</i> | -0.3941246 | 1.47E-13 | 2.24E-09 |
| <i>C14orf73</i> | -0.3941448 | 1.46E-13 | 2.24E-09 |
| <i>LMX1A</i> | -0.3941457 | 1.46E-13 | 2.24E-09 |
| <i>PEG10</i> | -0.3942629 | 1.44E-13 | 2.20E-09 |

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| <i>HIPK2</i> | -0.3943177 | 1.42E-13 | 2.18E-09 |
| <i>SIGLEC7</i> | -0.3943822 | 1.41E-13 | 2.16E-09 |
| <i>RER1</i> | -0.3945503 | 1.37E-13 | 2.10E-09 |
| <i>ZNF624</i> | -0.3948279 | 1.32E-13 | 2.01E-09 |
| <i>AKAP6</i> | -0.3948428 | 1.31E-13 | 2.01E-09 |
| <i>CLDN19</i> | -0.3949146 | 1.30E-13 | 1.99E-09 |
| <i>SOBP</i> | -0.3951011 | 1.26E-13 | 1.93E-09 |
| <i>STAR</i> | -0.3951792 | 1.25E-13 | 1.91E-09 |
| <i>FBLN2</i> | -0.3951904 | 1.25E-13 | 1.91E-09 |
| <i>CLCNKB</i> | -0.3952188 | 1.24E-13 | 1.90E-09 |
| <i>STARD5</i> | -0.395256 | 1.23E-13 | 1.89E-09 |
| <i>TRIM62</i> | -0.3953079 | 1.22E-13 | 1.87E-09 |
| <i>NAT8B</i> | -0.3953149 | 1.22E-13 | 1.87E-09 |
| <i>FBLN1</i> | -0.3953446 | 1.22E-13 | 1.86E-09 |
| <i>TRERF1</i> | -0.395368 | 1.21E-13 | 1.86E-09 |
| <i>DACT3</i> | -0.3954077 | 1.20E-13 | 1.84E-09 |
| <i>RAPH1</i> | -0.3954412 | 1.20E-13 | 1.84E-09 |
| <i>FOXO1</i> | -0.3955544 | 1.18E-13 | 1.80E-09 |
| <i>C2orf72</i> | -0.3956647 | 1.16E-13 | 1.77E-09 |
| <i>LOC728392</i> | -0.3956766 | 1.16E-13 | 1.77E-09 |
| <i>ACAD8</i> | -0.3956796 | 1.16E-13 | 1.77E-09 |
| <i>KIAA0467</i> | -0.3957279 | 1.15E-13 | 1.76E-09 |
| <i>PLS1</i> | -0.3957947 | 1.13E-13 | 1.74E-09 |
| <i>KCNK10</i> | -0.3959072 | 1.12E-13 | 1.71E-09 |
| <i>VPS53</i> | -0.3959228 | 1.11E-13 | 1.70E-09 |
| <i>FAM23A</i> | -0.3959513 | 1.11E-13 | 1.70E-09 |
| <i>CXorf1</i> | -0.3960574 | 1.09E-13 | 1.67E-09 |
| <i>TUB</i> | -0.3961959 | 1.07E-13 | 1.63E-09 |
| <i>PCDHGB7</i> | -0.3961965 | 1.07E-13 | 1.63E-09 |
| <i>HIF1AN</i> | -0.3962337 | 1.06E-13 | 1.63E-09 |
| <i>CTSO</i> | -0.39636 | 1.04E-13 | 1.59E-09 |
| <i>SPTLC3</i> | -0.3964858 | 1.02E-13 | 1.56E-09 |
| <i>SLC47A1</i> | -0.3965312 | 1.01E-13 | 1.55E-09 |
| <i>NAIP</i> | -0.3965666 | 1.01E-13 | 1.54E-09 |
| <i>BSG</i> | -0.3966364 | 9.96E-14 | 1.53E-09 |
| <i>PREX1</i> | -0.3966646 | 9.92E-14 | 1.52E-09 |
| <i>ADIPOQ</i> | -0.3967327 | 9.82E-14 | 1.51E-09 |
| <i>ACE</i> | -0.3968787 | 9.60E-14 | 1.47E-09 |
| <i>SHPK</i> | -0.396903 | 9.56E-14 | 1.47E-09 |
| <i>ANO4</i> | -0.3969389 | 9.51E-14 | 1.46E-09 |
| <i>HHIP</i> | -0.3971471 | 9.20E-14 | 1.41E-09 |
| <i>FAM115C</i> | -0.3971783 | 9.16E-14 | 1.41E-09 |
| <i>MGAT2</i> | -0.3972175 | 9.10E-14 | 1.40E-09 |
| <i>TNIK</i> | -0.3973674 | 8.90E-14 | 1.37E-09 |
| <i>RHBDL2</i> | -0.3974811 | 8.74E-14 | 1.34E-09 |
| <i>MYO9B</i> | -0.3975104 | 8.70E-14 | 1.34E-09 |
| <i>FAM83E</i> | -0.3975563 | 8.64E-14 | 1.33E-09 |
| <i>FAM83B</i> | -0.3976259 | 8.54E-14 | 1.31E-09 |
| <i>C1orf200</i> | -0.3976494 | 8.51E-14 | 1.31E-09 |
| <i>AGAP2</i> | -0.3976874 | 8.46E-14 | 1.30E-09 |
| <i>OASL</i> | -0.3978549 | 8.25E-14 | 1.27E-09 |

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| <i>TIRAP</i> | -0.3978765 | 8.22E-14 | 1.26E-09 |
| <i>WNT2B</i> | -0.3980384 | 8.01E-14 | 1.23E-09 |
| <i>GNE</i> | -0.3981559 | 7.87E-14 | 1.21E-09 |
| <i>FAM55B</i> | -0.3983184 | 7.67E-14 | 1.18E-09 |
| <i>LASS1</i> | -0.3983305 | 7.66E-14 | 1.18E-09 |
| <i>KIAA0317</i> | -0.398335 | 7.65E-14 | 1.18E-09 |
| <i>CCR5</i> | -0.398363 | 7.62E-14 | 1.17E-09 |
| <i>ABHD6</i> | -0.3985188 | 7.44E-14 | 1.14E-09 |
| <i>MTUS2</i> | -0.3985279 | 7.43E-14 | 1.14E-09 |
| <i>DLL1</i> | -0.3985593 | 7.39E-14 | 1.14E-09 |
| <i>TICAM1</i> | -0.3988368 | 7.08E-14 | 1.09E-09 |
| <i>CAP1</i> | -0.3988651 | 7.04E-14 | 1.08E-09 |
| <i>TOMM40L</i> | -0.3990001 | 6.90E-14 | 1.06E-09 |
| <i>EFCAB1</i> | -0.3990333 | 6.86E-14 | 1.06E-09 |
| <i>UBR1</i> | -0.3990385 | 6.86E-14 | 1.06E-09 |
| <i>BSDC1</i> | -0.3991384 | 6.75E-14 | 1.04E-09 |
| <i>RUNDC2A</i> | -0.3992247 | 6.66E-14 | 1.03E-09 |
| <i>PXN</i> | -0.3994501 | 6.43E-14 | 9.90E-10 |
| <i>GSTM2</i> | -0.3994948 | 6.38E-14 | 9.83E-10 |
| <i>PAQR8</i> | -0.399507 | 6.37E-14 | 9.81E-10 |
| <i>KIAA1328</i> | -0.3995381 | 6.34E-14 | 9.77E-10 |
| <i>SLC47A2</i> | -0.3995389 | 6.34E-14 | 9.77E-10 |
| <i>GFRA3</i> | -0.3995468 | 6.33E-14 | 9.76E-10 |
| <i>TSTD2</i> | -0.3995957 | 6.28E-14 | 9.68E-10 |
| <i>CAMKK2</i> | -0.3996449 | 6.24E-14 | 9.61E-10 |
| <i>RBMS3</i> | -0.3996966 | 6.19E-14 | 9.53E-10 |
| <i>ITGAM</i> | -0.3997555 | 6.13E-14 | 9.45E-10 |
| <i>SIDT1</i> | -0.3997778 | 6.11E-14 | 9.41E-10 |
| <i>FOXI2</i> | -0.3998294 | 6.06E-14 | 9.34E-10 |
| <i>NTNG1</i> | -0.4000279 | 5.87E-14 | 9.05E-10 |
| <i>RYR3</i> | -0.4000302 | 5.87E-14 | 9.05E-10 |
| <i>CLCA1</i> | -0.4000358 | 5.87E-14 | 9.04E-10 |
| <i>KCNJ16</i> | -0.4000746 | 5.83E-14 | 8.99E-10 |
| <i>RSBN1</i> | -0.4000955 | 5.81E-14 | 8.96E-10 |
| <i>EPHA6</i> | -0.4001252 | 5.78E-14 | 8.92E-10 |
| <i>CCDC80</i> | -0.4001685 | 5.75E-14 | 8.86E-10 |
| <i>PLN</i> | -0.4001701 | 5.74E-14 | 8.86E-10 |
| <i>CYB5D2</i> | -0.4002041 | 5.71E-14 | 8.81E-10 |
| <i>TUBB2B</i> | -0.4002455 | 5.68E-14 | 8.76E-10 |
| <i>ARMCX1</i> | -0.4002655 | 5.66E-14 | 8.73E-10 |
| <i>TNNI3K</i> | -0.4003706 | 5.57E-14 | 8.59E-10 |
| <i>SERINC4</i> | -0.4004407 | 5.51E-14 | 8.50E-10 |
| <i>TBC1D17</i> | -0.4004899 | 5.46E-14 | 8.43E-10 |
| <i>PPP2R5B</i> | -0.4007097 | 5.28E-14 | 8.15E-10 |
| <i>PIP5K1B</i> | -0.400785 | 5.22E-14 | 8.05E-10 |
| <i>OSBPL11</i> | -0.4008231 | 5.18E-14 | 8.00E-10 |
| <i>SLAIN2</i> | -0.4008279 | 5.18E-14 | 8.00E-10 |
| <i>SLC25A44</i> | -0.4008814 | 5.14E-14 | 7.93E-10 |
| <i>HLF</i> | -0.4009215 | 5.10E-14 | 7.88E-10 |
| <i>NEURL1B</i> | -0.4010347 | 5.01E-14 | 7.75E-10 |
| <i>LOC283392</i> | -0.401101 | 4.96E-14 | 7.67E-10 |

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| <i>CHST7</i> | -0.401159 | 4.92E-14 | 7.60E-10 |
| <i>SI</i> | -0.4011725 | 4.91E-14 | 7.58E-10 |
| <i>LOC284100</i> | -0.4012687 | 4.83E-14 | 7.47E-10 |
| <i>LIX1L</i> | -0.4012997 | 4.81E-14 | 7.43E-10 |
| <i>CCNA1</i> | -0.4013734 | 4.75E-14 | 7.35E-10 |
| <i>C19orf38</i> | -0.4013904 | 4.74E-14 | 7.33E-10 |
| <i>SLC35C1</i> | -0.4014317 | 4.71E-14 | 7.28E-10 |
| <i>HPS1</i> | -0.4014415 | 4.70E-14 | 7.27E-10 |
| <i>WIPF1</i> | -0.4015175 | 4.65E-14 | 7.19E-10 |
| <i>PVALB</i> | -0.4017645 | 4.47E-14 | 6.91E-10 |
| <i>TDP2</i> | -0.4019853 | 4.32E-14 | 6.68E-10 |
| <i>AKR1B10</i> | -0.401993 | 4.31E-14 | 6.67E-10 |
| <i>PCDHGA9</i> | -0.4020077 | 4.30E-14 | 6.66E-10 |
| <i>ZNF418</i> | -0.4020396 | 4.28E-14 | 6.62E-10 |
| <i>DCTN2</i> | -0.40209 | 4.25E-14 | 6.57E-10 |
| <i>MED11</i> | -0.4020979 | 4.24E-14 | 6.56E-10 |
| <i>CLTC</i> | -0.4021619 | 4.20E-14 | 6.50E-10 |
| <i>LGI3</i> | -0.4021906 | 4.18E-14 | 6.47E-10 |
| <i>NLRC4</i> | -0.4022356 | 4.15E-14 | 6.42E-10 |
| <i>CDCP1</i> | -0.4023179 | 4.10E-14 | 6.34E-10 |
| <i>MPDU1</i> | -0.4024814 | 3.99E-14 | 6.18E-10 |
| <i>FBXL22</i> | -0.4025274 | 3.96E-14 | 6.14E-10 |
| <i>CHI3L2</i> | -0.4025675 | 3.94E-14 | 6.10E-10 |
| <i>CNKSR2</i> | -0.4025748 | 3.93E-14 | 6.09E-10 |
| <i>FABP4</i> | -0.4026886 | 3.86E-14 | 5.98E-10 |
| <i>CHRD1</i> | -0.4027112 | 3.85E-14 | 5.96E-10 |
| <i>FOXF2</i> | -0.4027465 | 3.83E-14 | 5.93E-10 |
| <i>NFKB1</i> | -0.4027972 | 3.80E-14 | 5.88E-10 |
| <i>FGF10</i> | -0.4029982 | 3.68E-14 | 5.70E-10 |
| <i>VWF</i> | -0.4031092 | 3.61E-14 | 5.60E-10 |
| <i>KIAA0652</i> | -0.4031983 | 3.56E-14 | 5.52E-10 |
| <i>SVOPL</i> | -0.403259 | 3.53E-14 | 5.47E-10 |
| <i>CXCR2P1</i> | -0.4032802 | 3.52E-14 | 5.45E-10 |
| <i>PTPLAD2</i> | -0.4033456 | 3.48E-14 | 5.40E-10 |
| <i>EBF1</i> | -0.4033791 | 3.46E-14 | 5.37E-10 |
| <i>CNN1</i> | -0.4033899 | 3.46E-14 | 5.36E-10 |
| <i>MAPK1</i> | -0.4035102 | 3.39E-14 | 5.26E-10 |
| <i>ARX</i> | -0.403612 | 3.34E-14 | 5.18E-10 |
| <i>LAIR1</i> | -0.4036122 | 3.34E-14 | 5.18E-10 |
| <i>SCYL2</i> | -0.4036562 | 3.31E-14 | 5.14E-10 |
| <i>SELL</i> | -0.4036628 | 3.31E-14 | 5.14E-10 |
| <i>PPM1K</i> | -0.403685 | 3.30E-14 | 5.12E-10 |
| <i>UGT3A2</i> | -0.4037301 | 3.28E-14 | 5.08E-10 |
| <i>ADAM10</i> | -0.4038016 | 3.24E-14 | 5.03E-10 |
| <i>EFTUD1</i> | -0.4040307 | 3.12E-14 | 4.85E-10 |
| <i>SLC38A10</i> | -0.4040347 | 3.12E-14 | 4.84E-10 |
| <i>CAPN9</i> | -0.4040488 | 3.11E-14 | 4.83E-10 |
| <i>NAGK</i> | -0.4040902 | 3.09E-14 | 4.80E-10 |
| <i>PURA</i> | -0.4041491 | 3.07E-14 | 4.76E-10 |
| <i>STS</i> | -0.4041786 | 3.05E-14 | 4.74E-10 |
| <i>CACNA1H</i> | -0.4042435 | 3.02E-14 | 4.69E-10 |

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| <i>NTN4</i> | -0.4043267 | 2.98E-14 | 4.63E-10 |
| <i>MATN2</i> | -0.404495 | 2.90E-14 | 4.51E-10 |
| <i>RUNDC3B</i> | -0.4045221 | 2.89E-14 | 4.49E-10 |
| <i>MICAL2</i> | -0.4046967 | 2.81E-14 | 4.36E-10 |
| <i>IRX6</i> | -0.4047293 | 2.79E-14 | 4.34E-10 |
| <i>ZBTB47</i> | -0.4047613 | 2.78E-14 | 4.32E-10 |
| <i>SDK2</i> | -0.4047711 | 2.78E-14 | 4.31E-10 |
| <i>MCTP2</i> | -0.4048989 | 2.72E-14 | 4.23E-10 |
| <i>ZYG11B</i> | -0.4050931 | 2.64E-14 | 4.10E-10 |
| <i>FAM13C</i> | -0.4050974 | 2.64E-14 | 4.10E-10 |
| <i>HLA-DPA1</i> | -0.405224 | 2.58E-14 | 4.01E-10 |
| <i>LEPR</i> | -0.4052408 | 2.58E-14 | 4.00E-10 |
| <i>IFFO1</i> | -0.4053351 | 2.54E-14 | 3.94E-10 |
| <i>CYBB</i> | -0.4053614 | 2.53E-14 | 3.93E-10 |
| <i>MAP1B</i> | -0.4054056 | 2.51E-14 | 3.90E-10 |
| <i>TRIP4</i> | -0.4054342 | 2.50E-14 | 3.88E-10 |
| <i>PIP4K2A</i> | -0.4056294 | 2.42E-14 | 3.77E-10 |
| <i>FAM129C</i> | -0.4056894 | 2.40E-14 | 3.73E-10 |
| <i>CDH22</i> | -0.4057271 | 2.38E-14 | 3.71E-10 |
| <i>SSPN</i> | -0.4057505 | 2.37E-14 | 3.69E-10 |
| <i>SPG11</i> | -0.4057636 | 2.37E-14 | 3.69E-10 |
| <i>POU6F1</i> | -0.4059271 | 2.31E-14 | 3.59E-10 |
| <i>ABCC13</i> | -0.4060063 | 2.28E-14 | 3.55E-10 |
| <i>C18orf32</i> | -0.4060366 | 2.27E-14 | 3.53E-10 |
| <i>CD38</i> | -0.4061883 | 2.21E-14 | 3.45E-10 |
| <i>POLDIP3</i> | -0.4062336 | 2.20E-14 | 3.42E-10 |
| <i>SGCB</i> | -0.4064006 | 2.14E-14 | 3.33E-10 |
| <i>LGALS2</i> | -0.4064616 | 2.12E-14 | 3.30E-10 |
| <i>PTPRN</i> | -0.4064639 | 2.12E-14 | 3.30E-10 |
| <i>MST1P9</i> | -0.4064934 | 2.11E-14 | 3.29E-10 |
| <i>SLC15A3</i> | -0.4065944 | 2.07E-14 | 3.23E-10 |
| <i>LHFPL4</i> | -0.4066713 | 2.05E-14 | 3.19E-10 |
| <i>TMEM149</i> | -0.4066814 | 2.05E-14 | 3.19E-10 |
| <i>TSPYL5</i> | -0.406737 | 2.03E-14 | 3.16E-10 |
| <i>OPN4</i> | -0.4067749 | 2.02E-14 | 3.14E-10 |
| <i>WDR86</i> | -0.406835 | 2.00E-14 | 3.11E-10 |
| <i>GPRASP1</i> | -0.4068651 | 1.99E-14 | 3.10E-10 |
| <i>BVES</i> | -0.4069268 | 1.97E-14 | 3.07E-10 |
| <i>ZFYVE20</i> | -0.4069801 | 1.95E-14 | 3.04E-10 |
| <i>MAFB</i> | -0.4069863 | 1.95E-14 | 3.04E-10 |
| <i>NPAS4</i> | -0.4069908 | 1.95E-14 | 3.04E-10 |
| <i>TRAPPC10</i> | -0.4071669 | 1.89E-14 | 2.95E-10 |
| <i>NRG1</i> | -0.4072215 | 1.88E-14 | 2.93E-10 |
| <i>GDF7</i> | -0.407244 | 1.87E-14 | 2.92E-10 |
| <i>SH3GLB1</i> | -0.4072441 | 1.87E-14 | 2.92E-10 |
| <i>C8orf85</i> | -0.4073562 | 1.84E-14 | 2.87E-10 |
| <i>APCDD1L</i> | -0.4075247 | 1.79E-14 | 2.79E-10 |
| <i>RGL1</i> | -0.4075525 | 1.78E-14 | 2.78E-10 |
| <i>DLST</i> | -0.4075534 | 1.78E-14 | 2.78E-10 |
| <i>SLC37A1</i> | -0.4075725 | 1.77E-14 | 2.77E-10 |
| <i>MFSD1</i> | -0.4075726 | 1.77E-14 | 2.77E-10 |

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|-------------------|------------|----------|----------|
| <i>CLEC4GP1</i> | -0.4076447 | 1.75E-14 | 2.74E-10 |
| <i>C22orf25</i> | -0.4076615 | 1.75E-14 | 2.73E-10 |
| <i>TPSAB1</i> | -0.407705 | 1.74E-14 | 2.71E-10 |
| <i>CCDC129</i> | -0.4077417 | 1.73E-14 | 2.70E-10 |
| <i>LOC342346</i> | -0.4077557 | 1.72E-14 | 2.69E-10 |
| <i>TAS1R1</i> | -0.4079596 | 1.67E-14 | 2.60E-10 |
| <i>SCTR</i> | -0.4079904 | 1.66E-14 | 2.59E-10 |
| <i>ESR2</i> | -0.4081863 | 1.61E-14 | 2.51E-10 |
| <i>DOC2B</i> | -0.4083135 | 1.57E-14 | 2.46E-10 |
| <i>C15orf37</i> | -0.4083749 | 1.56E-14 | 2.44E-10 |
| <i>TOB2</i> | -0.4083985 | 1.55E-14 | 2.43E-10 |
| <i>NCF4</i> | -0.4084097 | 1.55E-14 | 2.42E-10 |
| <i>MEOX1</i> | -0.4084473 | 1.54E-14 | 2.41E-10 |
| <i>CCR7</i> | -0.4084924 | 1.53E-14 | 2.39E-10 |
| <i>SH3PXD2A</i> | -0.4085726 | 1.51E-14 | 2.36E-10 |
| <i>MFSD5</i> | -0.4086074 | 1.50E-14 | 2.35E-10 |
| <i>ZNF271</i> | -0.408702 | 1.48E-14 | 2.31E-10 |
| <i>PTPN9</i> | -0.4087169 | 1.48E-14 | 2.31E-10 |
| <i>PTPRM</i> | -0.4087864 | 1.46E-14 | 2.28E-10 |
| <i>LIMS2</i> | -0.4088051 | 1.45E-14 | 2.28E-10 |
| <i>HDHD2</i> | -0.4088953 | 1.43E-14 | 2.24E-10 |
| <i>KLF8</i> | -0.4089934 | 1.41E-14 | 2.21E-10 |
| <i>AGAP1</i> | -0.4090223 | 1.40E-14 | 2.20E-10 |
| <i>ODZ1</i> | -0.4090805 | 1.39E-14 | 2.18E-10 |
| <i>C13orf30</i> | -0.4091253 | 1.38E-14 | 2.16E-10 |
| <i>ZFR2</i> | -0.4091417 | 1.38E-14 | 2.16E-10 |
| <i>LOC1001290</i> | -0.4091453 | 1.38E-14 | 2.16E-10 |
| <i>KCNT2</i> | -0.4091501 | 1.38E-14 | 2.15E-10 |
| <i>CCDC141</i> | -0.4091667 | 1.37E-14 | 2.15E-10 |
| <i>TUSC5</i> | -0.4091794 | 1.37E-14 | 2.14E-10 |
| <i>TMEM151B</i> | -0.4092848 | 1.35E-14 | 2.11E-10 |
| <i>C15orf51</i> | -0.4093031 | 1.34E-14 | 2.10E-10 |
| <i>TMEM130</i> | -0.4093146 | 1.34E-14 | 2.10E-10 |
| <i>MUT</i> | -0.4093362 | 1.33E-14 | 2.09E-10 |
| <i>CD40LG</i> | -0.409469 | 1.31E-14 | 2.05E-10 |
| <i>FEZ2</i> | -0.4095503 | 1.29E-14 | 2.02E-10 |
| <i>NIPAL1</i> | -0.4096059 | 1.28E-14 | 2.00E-10 |
| <i>LDLRAP1</i> | -0.4096167 | 1.28E-14 | 2.00E-10 |
| <i>FAM134A</i> | -0.4096504 | 1.27E-14 | 1.99E-10 |
| <i>KRAS</i> | -0.4097111 | 1.26E-14 | 1.97E-10 |
| <i>LRRTM2</i> | -0.4097282 | 1.25E-14 | 1.96E-10 |
| <i>QSOX1</i> | -0.4097512 | 1.25E-14 | 1.96E-10 |
| <i>PRELP</i> | -0.4097938 | 1.24E-14 | 1.94E-10 |
| <i>ZAP70</i> | -0.4098567 | 1.23E-14 | 1.92E-10 |
| <i>CLTB</i> | -0.409922 | 1.21E-14 | 1.90E-10 |
| <i>TXK</i> | -0.4101238 | 1.17E-14 | 1.84E-10 |
| <i>SEC14L1</i> | -0.4102123 | 1.16E-14 | 1.82E-10 |
| <i>GHR</i> | -0.4102363 | 1.15E-14 | 1.81E-10 |
| <i>RAB35</i> | -0.4103476 | 1.13E-14 | 1.78E-10 |
| <i>HHATL</i> | -0.4103813 | 1.13E-14 | 1.77E-10 |
| <i>DNAJB5</i> | -0.4104174 | 1.12E-14 | 1.76E-10 |

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| <i>PRPH2</i> | -0.4104196 | 1.12E-14 | 1.76E-10 |
| <i>SLFN12L</i> | -0.4104274 | 1.12E-14 | 1.76E-10 |
| <i>GPN2</i> | -0.410481 | 1.11E-14 | 1.74E-10 |
| <i>SSTR1</i> | -0.4104974 | 1.11E-14 | 1.74E-10 |
| <i>P2RX6</i> | -0.4105209 | 1.10E-14 | 1.73E-10 |
| <i>DHRS1</i> | -0.4105497 | 1.10E-14 | 1.72E-10 |
| <i>RUNX1T1</i> | -0.4106193 | 1.08E-14 | 1.70E-10 |
| <i>KLK3</i> | -0.4106259 | 1.08E-14 | 1.70E-10 |
| <i>ZNF821</i> | -0.4107302 | 1.06E-14 | 1.67E-10 |
| <i>IL1R1</i> | -0.4107632 | 1.06E-14 | 1.66E-10 |
| <i>PGM5P2</i> | -0.4107929 | 1.05E-14 | 1.66E-10 |
| <i>TRIM25</i> | -0.4109169 | 1.03E-14 | 1.62E-10 |
| <i>TMEM229B</i> | -0.4109489 | 1.03E-14 | 1.62E-10 |
| <i>A1BG</i> | -0.4109631 | 1.03E-14 | 1.61E-10 |
| <i>PLEKHM3</i> | -0.4110113 | 1.02E-14 | 1.60E-10 |
| <i>ABHD8</i> | -0.4110396 | 1.01E-14 | 1.59E-10 |
| <i>AMOTL1</i> | -0.4110509 | 1.01E-14 | 1.59E-10 |
| <i>MAPK6</i> | -0.4111327 | 9.97E-15 | 1.57E-10 |
| <i>TSPAN4</i> | -0.4113541 | 9.62E-15 | 1.51E-10 |
| <i>PARVG</i> | -0.4113569 | 9.62E-15 | 1.51E-10 |
| <i>CGRRF1</i> | -0.4114024 | 9.55E-15 | 1.50E-10 |
| <i>EPM2A</i> | -0.411487 | 9.41E-15 | 1.48E-10 |
| <i>CPA3</i> | -0.4114953 | 9.40E-15 | 1.48E-10 |
| <i>EPHA7</i> | -0.4115913 | 9.26E-15 | 1.46E-10 |
| <i>PPARA</i> | -0.4115923 | 9.25E-15 | 1.46E-10 |
| <i>PCDH9</i> | -0.411625 | 9.21E-15 | 1.45E-10 |
| <i>DNAJC4</i> | -0.4116333 | 9.19E-15 | 1.45E-10 |
| <i>OGDH</i> | -0.4116356 | 9.19E-15 | 1.45E-10 |
| <i>ITGA7</i> | -0.4117386 | 9.04E-15 | 1.42E-10 |
| <i>CTSW</i> | -0.4117734 | 8.99E-15 | 1.41E-10 |
| <i>LGALS12</i> | -0.4118175 | 8.92E-15 | 1.40E-10 |
| <i>LOC651250</i> | -0.4118188 | 8.92E-15 | 1.40E-10 |
| <i>DGKQ</i> | -0.4118377 | 8.89E-15 | 1.40E-10 |
| <i>SUCLG2</i> | -0.4118924 | 8.81E-15 | 1.39E-10 |
| <i>PTPRT</i> | -0.411914 | 8.78E-15 | 1.38E-10 |
| <i>LRRN4CL</i> | -0.4119881 | 8.68E-15 | 1.37E-10 |
| <i>MYST4</i> | -0.4122415 | 8.32E-15 | 1.31E-10 |
| <i>ZNF397</i> | -0.4122553 | 8.31E-15 | 1.31E-10 |
| <i>FRAT1</i> | -0.4122612 | 8.30E-15 | 1.31E-10 |
| <i>HSD11B2</i> | -0.4122615 | 8.30E-15 | 1.31E-10 |
| <i>TWIST2</i> | -0.4123159 | 8.22E-15 | 1.30E-10 |
| <i>C7orf51</i> | -0.4123626 | 8.16E-15 | 1.29E-10 |
| <i>PP14571</i> | -0.4124152 | 8.09E-15 | 1.28E-10 |
| <i>TRIP11</i> | -0.4124163 | 8.09E-15 | 1.28E-10 |
| <i>PYHIN1</i> | -0.4124174 | 8.09E-15 | 1.28E-10 |
| <i>PNLIPRP3</i> | -0.4124712 | 8.02E-15 | 1.26E-10 |
| <i>ADD2</i> | -0.4125033 | 7.98E-15 | 1.26E-10 |
| <i>MOGAT2</i> | -0.4125555 | 7.91E-15 | 1.25E-10 |
| <i>P2RX7</i> | -0.4127546 | 7.66E-15 | 1.21E-10 |
| <i>RIN3</i> | -0.4127685 | 7.64E-15 | 1.20E-10 |
| <i>LTK</i> | -0.4128475 | 7.54E-15 | 1.19E-10 |

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| <i>PDE6B</i> | -0.4128692 | 7.51E-15 | 1.19E-10 |
| <i>KCNA4</i> | -0.4129111 | 7.46E-15 | 1.18E-10 |
| <i>PIK3C3</i> | -0.4129205 | 7.45E-15 | 1.18E-10 |
| <i>SVIL</i> | -0.4129556 | 7.41E-15 | 1.17E-10 |
| <i>APPBP2</i> | -0.4129602 | 7.40E-15 | 1.17E-10 |
| <i>PDGFD</i> | -0.4130338 | 7.31E-15 | 1.15E-10 |
| <i>C9orf125</i> | -0.413081 | 7.26E-15 | 1.15E-10 |
| <i>RERE</i> | -0.4131237 | 7.21E-15 | 1.14E-10 |
| <i>RASGRP1</i> | -0.4131889 | 7.13E-15 | 1.13E-10 |
| <i>TDRD7</i> | -0.4134763 | 6.80E-15 | 1.07E-10 |
| <i>LRCH3</i> | -0.4134791 | 6.80E-15 | 1.07E-10 |
| <i>NAALAD2</i> | -0.4135057 | 6.77E-15 | 1.07E-10 |
| <i>FURIN</i> | -0.4135158 | 6.76E-15 | 1.07E-10 |
| <i>KITLG</i> | -0.4135193 | 6.75E-15 | 1.07E-10 |
| <i>PRKCE</i> | -0.4135425 | 6.73E-15 | 1.06E-10 |
| <i>PRMT2</i> | -0.4136194 | 6.64E-15 | 1.05E-10 |
| <i>EMR1</i> | -0.4136922 | 6.57E-15 | 1.04E-10 |
| <i>CHRNB4</i> | -0.4138359 | 6.41E-15 | 1.01E-10 |
| <i>VWC2</i> | -0.4138774 | 6.37E-15 | 1.01E-10 |
| <i>TINF2</i> | -0.4138832 | 6.36E-15 | 1.01E-10 |
| <i>NFYC</i> | -0.4140043 | 6.24E-15 | 9.86E-11 |
| <i>PLEKHO1</i> | -0.4140156 | 6.23E-15 | 9.84E-11 |
| <i>C14orf4</i> | -0.4140461 | 6.19E-15 | 9.79E-11 |
| <i>SIGLEC10</i> | -0.4141351 | 6.11E-15 | 9.65E-11 |
| <i>BEX4</i> | -0.4141462 | 6.09E-15 | 9.64E-11 |
| <i>CD52</i> | -0.4141464 | 6.09E-15 | 9.64E-11 |
| <i>PDCD6IP</i> | -0.4141753 | 6.06E-15 | 9.59E-11 |
| <i>CIC</i> | -0.4142603 | 5.98E-15 | 9.46E-11 |
| <i>GPSM3</i> | -0.4142925 | 5.95E-15 | 9.41E-11 |
| <i>CHST15</i> | -0.4144957 | 5.75E-15 | 9.10E-11 |
| <i>RGMA</i> | -0.414497 | 5.75E-15 | 9.10E-11 |
| <i>LRAT</i> | -0.4145528 | 5.70E-15 | 9.02E-11 |
| <i>TLL7</i> | -0.4145992 | 5.66E-15 | 8.95E-11 |
| <i>JAZF1</i> | -0.4147234 | 5.54E-15 | 8.77E-11 |
| <i>NDRG1</i> | -0.4147673 | 5.50E-15 | 8.71E-11 |
| <i>ITGB3</i> | -0.4148343 | 5.44E-15 | 8.61E-11 |
| <i>MAP3K3</i> | -0.4150615 | 5.24E-15 | 8.30E-11 |
| <i>PGCP</i> | -0.4150797 | 5.23E-15 | 8.28E-11 |
| <i>TMPRSS2</i> | -0.4150821 | 5.22E-15 | 8.27E-11 |
| <i>KIAA1468</i> | -0.4151171 | 5.19E-15 | 8.23E-11 |
| <i>TCEAL2</i> | -0.4152026 | 5.12E-15 | 8.11E-11 |
| <i>TJP1</i> | -0.4152499 | 5.08E-15 | 8.05E-11 |
| <i>CRTAC1</i> | -0.4152568 | 5.08E-15 | 8.04E-11 |
| <i>HIGD1A</i> | -0.4152663 | 5.07E-15 | 8.03E-11 |
| <i>LOC440461</i> | -0.4153071 | 5.03E-15 | 7.98E-11 |
| <i>BACH2</i> | -0.4153479 | 5.00E-15 | 7.92E-11 |
| <i>TEX101</i> | -0.4154117 | 4.95E-15 | 7.84E-11 |
| <i>FAM123A</i> | -0.4154975 | 4.88E-15 | 7.73E-11 |
| <i>PTPRR</i> | -0.4155122 | 4.87E-15 | 7.71E-11 |
| <i>UGT1A10</i> | -0.4156125 | 4.79E-15 | 7.59E-11 |
| <i>PTCRA</i> | -0.4156375 | 4.77E-15 | 7.56E-11 |

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| <i>LOC254559</i> | -0.4157693 | 4.66E-15 | 7.40E-11 |
| <i>BMF</i> | -0.4158918 | 4.57E-15 | 7.25E-11 |
| <i>SMAD2</i> | -0.4159259 | 4.55E-15 | 7.21E-11 |
| <i>SERPINA5</i> | -0.4159263 | 4.54E-15 | 7.21E-11 |
| <i>KCNA6</i> | -0.4159538 | 4.52E-15 | 7.18E-11 |
| <i>FLNA</i> | -0.4159617 | 4.52E-15 | 7.17E-11 |
| <i>AICDA</i> | -0.4160506 | 4.45E-15 | 7.06E-11 |
| <i>C5orf41</i> | -0.4160884 | 4.42E-15 | 7.02E-11 |
| <i>TRPC7</i> | -0.4161852 | 4.35E-15 | 6.91E-11 |
| <i>ITLN1</i> | -0.4162812 | 4.29E-15 | 6.80E-11 |
| <i>ZNF436</i> | -0.4162929 | 4.28E-15 | 6.79E-11 |
| <i>BHMT2</i> | -0.4163073 | 4.27E-15 | 6.77E-11 |
| <i>HTR4</i> | -0.4163144 | 4.26E-15 | 6.77E-11 |
| <i>ACTL6B</i> | -0.4164864 | 4.14E-15 | 6.58E-11 |
| <i>LOC646627</i> | -0.4167001 | 4.00E-15 | 6.35E-11 |
| <i>CFH</i> | -0.4170923 | 3.75E-15 | 5.95E-11 |
| <i>GGT8P</i> | -0.4171473 | 3.71E-15 | 5.90E-11 |
| <i>HIST1H3E</i> | -0.4171859 | 3.69E-15 | 5.86E-11 |
| <i>HPCA</i> | -0.4172025 | 3.68E-15 | 5.84E-11 |
| <i>KCNA5</i> | -0.4172688 | 3.64E-15 | 5.78E-11 |
| <i>TPM1</i> | -0.4173673 | 3.58E-15 | 5.69E-11 |
| <i>TMEM9B</i> | -0.4175384 | 3.48E-15 | 5.53E-11 |
| <i>C17orf97</i> | -0.4175907 | 3.45E-15 | 5.48E-11 |
| <i>FAM63B</i> | -0.4176509 | 3.41E-15 | 5.43E-11 |
| <i>CPXM2</i> | -0.4176575 | 3.41E-15 | 5.42E-11 |
| <i>TMEM88</i> | -0.4177213 | 3.38E-15 | 5.37E-11 |
| <i>GPR137</i> | -0.4178412 | 3.31E-15 | 5.26E-11 |
| <i>FBXL7</i> | -0.4180127 | 3.22E-15 | 5.11E-11 |
| <i>LOC1001309</i> | -0.4180261 | 3.21E-15 | 5.10E-11 |
| <i>WBP2</i> | -0.4181307 | 3.15E-15 | 5.01E-11 |
| <i>DDX60L</i> | -0.4182231 | 3.10E-15 | 4.94E-11 |
| <i>MFAP5</i> | -0.4182707 | 3.08E-15 | 4.90E-11 |
| <i>ZNF784</i> | -0.4182735 | 3.08E-15 | 4.90E-11 |
| <i>PSTPIP1</i> | -0.4183569 | 3.04E-15 | 4.83E-11 |
| <i>KIAA0232</i> | -0.4183574 | 3.04E-15 | 4.83E-11 |
| <i>IFIT2</i> | -0.4183625 | 3.03E-15 | 4.83E-11 |
| <i>RNF144B</i> | -0.4183906 | 3.02E-15 | 4.80E-11 |
| <i>ARHGAP42</i> | -0.4184296 | 3.00E-15 | 4.77E-11 |
| <i>ZMYND12</i> | -0.4185623 | 2.93E-15 | 4.67E-11 |
| <i>PPY</i> | -0.4185799 | 2.93E-15 | 4.66E-11 |
| <i>TST</i> | -0.4185812 | 2.92E-15 | 4.66E-11 |
| <i>LOC643763</i> | -0.41859 | 2.92E-15 | 4.65E-11 |
| <i>CD6</i> | -0.4186603 | 2.89E-15 | 4.60E-11 |
| <i>EGLN3</i> | -0.4186673 | 2.88E-15 | 4.59E-11 |
| <i>FAM150B</i> | -0.4187648 | 2.84E-15 | 4.52E-11 |
| <i>MKL1</i> | -0.4187704 | 2.83E-15 | 4.51E-11 |
| <i>GPBP1L1</i> | -0.4188316 | 2.81E-15 | 4.47E-11 |
| <i>MICAL3</i> | -0.4188952 | 2.78E-15 | 4.42E-11 |
| <i>SLC7A2</i> | -0.4188971 | 2.77E-15 | 4.42E-11 |
| <i>SCNN1B</i> | -0.4189666 | 2.74E-15 | 4.37E-11 |
| <i>EPHA5</i> | -0.4191655 | 2.65E-15 | 4.23E-11 |

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| <i>RNPEPL1</i> | -0.4191844 | 2.64E-15 | 4.21E-11 |
| <i>ZNF491</i> | -0.4192049 | 2.64E-15 | 4.20E-11 |
| <i>PCOLCE2</i> | -0.4192892 | 2.60E-15 | 4.14E-11 |
| <i>MRGPRX2</i> | -0.4192901 | 2.60E-15 | 4.14E-11 |
| <i>PC</i> | -0.4192915 | 2.60E-15 | 4.14E-11 |
| <i>MFAP4</i> | -0.4193262 | 2.58E-15 | 4.12E-11 |
| <i>SIRPG</i> | -0.4193585 | 2.57E-15 | 4.10E-11 |
| <i>JAK2</i> | -0.4195426 | 2.49E-15 | 3.97E-11 |
| <i>GPD1L</i> | -0.4195757 | 2.48E-15 | 3.95E-11 |
| <i>S1PR1</i> | -0.4196331 | 2.45E-15 | 3.91E-11 |
| <i>DOCK1</i> | -0.4196725 | 2.44E-15 | 3.89E-11 |
| <i>ATG9A</i> | -0.4196983 | 2.43E-15 | 3.87E-11 |
| <i>CALB2</i> | -0.4197005 | 2.43E-15 | 3.87E-11 |
| <i>LOC650623</i> | -0.4197364 | 2.41E-15 | 3.85E-11 |
| <i>PFKL</i> | -0.4197415 | 2.41E-15 | 3.84E-11 |
| <i>ASCL1</i> | -0.4197935 | 2.39E-15 | 3.81E-11 |
| <i>TSPAN11</i> | -0.4198377 | 2.37E-15 | 3.78E-11 |
| <i>SLC35F1</i> | -0.4198393 | 2.37E-15 | 3.78E-11 |
| <i>C9orf129</i> | -0.4198826 | 2.35E-15 | 3.76E-11 |
| <i>UTS2D</i> | -0.4199173 | 2.34E-15 | 3.73E-11 |
| <i>ADRA2A</i> | -0.4199389 | 2.33E-15 | 3.72E-11 |
| <i>FZD5</i> | -0.4200438 | 2.29E-15 | 3.66E-11 |
| <i>C9orf79</i> | -0.4201083 | 2.27E-15 | 3.62E-11 |
| <i>PDE6G</i> | -0.4201466 | 2.25E-15 | 3.59E-11 |
| <i>CR2</i> | -0.4202237 | 2.22E-15 | 3.55E-11 |
| <i>KCNIP1</i> | -0.4202409 | 2.22E-15 | 3.54E-11 |
| <i>FAM73A</i> | -0.4202461 | 2.21E-15 | 3.54E-11 |
| <i>EHD2</i> | -0.4203293 | 2.18E-15 | 3.49E-11 |
| <i>TSPAN14</i> | -0.4203686 | 2.17E-15 | 3.47E-11 |
| <i>ATP5B</i> | -0.4204144 | 2.15E-15 | 3.44E-11 |
| <i>TRIM38</i> | -0.4204518 | 2.14E-15 | 3.42E-11 |
| <i>KLK1</i> | -0.4206944 | 2.05E-15 | 3.28E-11 |
| <i>PRSS36</i> | -0.4207758 | 2.03E-15 | 3.24E-11 |
| <i>INSM1</i> | -0.4207892 | 2.02E-15 | 3.23E-11 |
| <i>HSD17B11</i> | -0.4207908 | 2.02E-15 | 3.23E-11 |
| <i>RGS2</i> | -0.4208562 | 2.00E-15 | 3.20E-11 |
| <i>MS4A8B</i> | -0.4209068 | 1.98E-15 | 3.17E-11 |
| <i>POU3F3</i> | -0.4209097 | 1.98E-15 | 3.17E-11 |
| <i>ZNF804A</i> | -0.4209313 | 1.97E-15 | 3.16E-11 |
| <i>BAD</i> | -0.4212343 | 1.88E-15 | 3.00E-11 |
| <i>TRIM58</i> | -0.4212395 | 1.87E-15 | 3.00E-11 |
| <i>TCF21</i> | -0.4212635 | 1.87E-15 | 2.99E-11 |
| <i>MYD88</i> | -0.4213034 | 1.85E-15 | 2.97E-11 |
| <i>ITFG1</i> | -0.4213268 | 1.85E-15 | 2.95E-11 |
| <i>GJA9</i> | -0.4213449 | 1.84E-15 | 2.95E-11 |
| <i>C14orf176</i> | -0.4214177 | 1.82E-15 | 2.91E-11 |
| <i>CWH43</i> | -0.4214807 | 1.80E-15 | 2.88E-11 |
| <i>EPHB6</i> | -0.4215147 | 1.79E-15 | 2.86E-11 |
| <i>ZNF672</i> | -0.4215265 | 1.79E-15 | 2.86E-11 |
| <i>CDC42SE2</i> | -0.4215502 | 1.78E-15 | 2.85E-11 |
| <i>CCDC158</i> | -0.4215773 | 1.77E-15 | 2.83E-11 |

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| <i>CDC42BPA</i> | -0.4215816 | 1.77E-15 | 2.83E-11 |
| <i>PLIN4</i> | -0.4215857 | 1.77E-15 | 2.83E-11 |
| <i>MAOA</i> | -0.4216477 | 1.75E-15 | 2.80E-11 |
| <i>HPGD</i> | -0.4216805 | 1.74E-15 | 2.79E-11 |
| <i>CALM3</i> | -0.4217431 | 1.72E-15 | 2.76E-11 |
| <i>GRID1</i> | -0.4218134 | 1.70E-15 | 2.72E-11 |
| <i>NDUFS2</i> | -0.4218176 | 1.70E-15 | 2.72E-11 |
| <i>SPI1</i> | -0.4219322 | 1.67E-15 | 2.67E-11 |
| <i>ZBTB3</i> | -0.4220501 | 1.63E-15 | 2.62E-11 |
| <i>MOCS1</i> | -0.4220818 | 1.63E-15 | 2.61E-11 |
| <i>FMO5</i> | -0.4220853 | 1.63E-15 | 2.60E-11 |
| <i>ANO10</i> | -0.4221221 | 1.62E-15 | 2.59E-11 |
| <i>GMFG</i> | -0.4222714 | 1.57E-15 | 2.52E-11 |
| <i>EID3</i> | -0.4222727 | 1.57E-15 | 2.52E-11 |
| <i>DOK3</i> | -0.4223712 | 1.55E-15 | 2.48E-11 |
| <i>NGFR</i> | -0.4223787 | 1.55E-15 | 2.48E-11 |
| <i>PANK4</i> | -0.4223857 | 1.54E-15 | 2.48E-11 |
| <i>ARNT2</i> | -0.4223938 | 1.54E-15 | 2.47E-11 |
| <i>LILRB1</i> | -0.4224293 | 1.53E-15 | 2.46E-11 |
| <i>LOXL4</i> | -0.4225135 | 1.51E-15 | 2.42E-11 |
| <i>SETX</i> | -0.422672 | 1.47E-15 | 2.36E-11 |
| <i>RGS18</i> | -0.4227185 | 1.46E-15 | 2.34E-11 |
| <i>C17orf85</i> | -0.4228486 | 1.43E-15 | 2.29E-11 |
| <i>MEIS2</i> | -0.4230308 | 1.39E-15 | 2.22E-11 |
| <i>RALYL</i> | -0.4231457 | 1.36E-15 | 2.18E-11 |
| <i>CYB5R3</i> | -0.4232155 | 1.34E-15 | 2.15E-11 |
| <i>TCF7L1</i> | -0.4232903 | 1.33E-15 | 2.13E-11 |
| <i>TRIM36</i> | -0.4234603 | 1.29E-15 | 2.07E-11 |
| <i>AXL</i> | -0.4235282 | 1.27E-15 | 2.04E-11 |
| <i>FAM7A3</i> | -0.4235543 | 1.27E-15 | 2.04E-11 |
| <i>HAND2</i> | -0.4235907 | 1.26E-15 | 2.02E-11 |
| <i>HCN4</i> | -0.4236061 | 1.26E-15 | 2.02E-11 |
| <i>ABLIM3</i> | -0.4237072 | 1.24E-15 | 1.98E-11 |
| <i>MUDENG</i> | -0.4237756 | 1.22E-15 | 1.96E-11 |
| <i>ZNF626</i> | -0.4238585 | 1.20E-15 | 1.93E-11 |
| <i>OR8D1</i> | -0.4239178 | 1.19E-15 | 1.91E-11 |
| <i>1-Mar</i> | -0.4239398 | 1.19E-15 | 1.91E-11 |
| <i>SPTBN4</i> | -0.4239896 | 1.18E-15 | 1.89E-11 |
| <i>CEBPE</i> | -0.4240464 | 1.17E-15 | 1.87E-11 |
| <i>IL18RAP</i> | -0.4241141 | 1.15E-15 | 1.85E-11 |
| <i>OAF</i> | -0.4242 | 1.14E-15 | 1.83E-11 |
| <i>LRFN5</i> | -0.4242741 | 1.12E-15 | 1.80E-11 |
| <i>PTGDS</i> | -0.4243103 | 1.11E-15 | 1.79E-11 |
| <i>UGT2B15</i> | -0.4243854 | 1.10E-15 | 1.77E-11 |
| <i>GPR55</i> | -0.4243968 | 1.10E-15 | 1.77E-11 |
| <i>PLXNC1</i> | -0.4244485 | 1.09E-15 | 1.75E-11 |
| <i>KBTBD13</i> | -0.424453 | 1.09E-15 | 1.75E-11 |
| <i>KIAA1432</i> | -0.4245187 | 1.08E-15 | 1.73E-11 |
| <i>UGT1A1</i> | -0.4245691 | 1.07E-15 | 1.72E-11 |
| <i>CTNS</i> | -0.4247799 | 1.03E-15 | 1.66E-11 |
| <i>EPS15</i> | -0.4248508 | 1.02E-15 | 1.64E-11 |

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| <i>DUSP1</i> | -0.4248645 | 1.01E-15 | 1.63E-11 |
| <i>AGTR1</i> | -0.4249264 | 1.00E-15 | 1.62E-11 |
| <i>KCNAB1</i> | -0.4249481 | 1.00E-15 | 1.61E-11 |
| <i>KCNMB1</i> | -0.4249847 | 9.94E-16 | 1.60E-11 |
| <i>RICH2</i> | -0.4250489 | 9.83E-16 | 1.58E-11 |
| <i>EVI5L</i> | -0.4250884 | 9.77E-16 | 1.57E-11 |
| <i>HLA-E</i> | -0.425141 | 9.68E-16 | 1.56E-11 |
| <i>CAST</i> | -0.4252226 | 9.55E-16 | 1.54E-11 |
| <i>SLC6A15</i> | -0.4252249 | 9.54E-16 | 1.54E-11 |
| <i>EMILIN3</i> | -0.4252843 | 9.45E-16 | 1.52E-11 |
| <i>GMIP</i> | -0.4253271 | 9.38E-16 | 1.51E-11 |
| <i>HLA-DOA</i> | -0.4253602 | 9.32E-16 | 1.50E-11 |
| <i>HRASLS5</i> | -0.4253881 | 9.28E-16 | 1.49E-11 |
| <i>NMNAT1</i> | -0.4254096 | 9.25E-16 | 1.49E-11 |
| <i>ASAH1</i> | -0.4254646 | 9.16E-16 | 1.48E-11 |
| <i>APC2</i> | -0.4256274 | 8.91E-16 | 1.44E-11 |
| <i>HDAC9</i> | -0.4256919 | 8.81E-16 | 1.42E-11 |
| <i>DTX1</i> | -0.4258381 | 8.59E-16 | 1.38E-11 |
| <i>PTN</i> | -0.425871 | 8.55E-16 | 1.38E-11 |
| <i>PPARGC1A</i> | -0.4259255 | 8.47E-16 | 1.36E-11 |
| <i>MGST3</i> | -0.4259607 | 8.42E-16 | 1.36E-11 |
| <i>WDFY4</i> | -0.425972 | 8.40E-16 | 1.35E-11 |
| <i>FZD4</i> | -0.4259831 | 8.38E-16 | 1.35E-11 |
| <i>TMC4</i> | -0.4260064 | 8.35E-16 | 1.35E-11 |
| <i>GZMA</i> | -0.4260881 | 8.23E-16 | 1.33E-11 |
| <i>MRGPRF</i> | -0.426098 | 8.22E-16 | 1.33E-11 |
| <i>ITPKA</i> | -0.4261517 | 8.15E-16 | 1.31E-11 |
| <i>OMG</i> | -0.4261698 | 8.12E-16 | 1.31E-11 |
| <i>HSPB8</i> | -0.4261821 | 8.10E-16 | 1.31E-11 |
| <i>AIM1</i> | -0.4262175 | 8.05E-16 | 1.30E-11 |
| <i>MFSD4</i> | -0.4262524 | 8.01E-16 | 1.29E-11 |
| <i>UBE2J1</i> | -0.4262857 | 7.96E-16 | 1.28E-11 |
| <i>HDC</i> | -0.4263207 | 7.91E-16 | 1.28E-11 |
| <i>LUZP2</i> | -0.4263494 | 7.87E-16 | 1.27E-11 |
| <i>TPRG1L</i> | -0.4263701 | 7.85E-16 | 1.27E-11 |
| <i>GYPE</i> | -0.4265458 | 7.61E-16 | 1.23E-11 |
| <i>SVEP1</i> | -0.4265865 | 7.56E-16 | 1.22E-11 |
| <i>MEGF8</i> | -0.426611 | 7.53E-16 | 1.22E-11 |
| <i>NEO1</i> | -0.4266924 | 7.43E-16 | 1.20E-11 |
| <i>LCOR</i> | -0.4268052 | 7.28E-16 | 1.18E-11 |
| <i>GBP2</i> | -0.4268074 | 7.28E-16 | 1.18E-11 |
| <i>PSKH1</i> | -0.426824 | 7.26E-16 | 1.17E-11 |
| <i>SLC44A4</i> | -0.4268449 | 7.23E-16 | 1.17E-11 |
| <i>FAM18A</i> | -0.4269255 | 7.14E-16 | 1.15E-11 |
| <i>SRGAP1</i> | -0.4269426 | 7.11E-16 | 1.15E-11 |
| <i>PEX11A</i> | -0.4269518 | 7.10E-16 | 1.15E-11 |
| <i>LOC283856</i> | -0.4269813 | 7.07E-16 | 1.14E-11 |
| <i>NRAP</i> | -0.4269944 | 7.05E-16 | 1.14E-11 |
| <i>HIF3A</i> | -0.4269999 | 7.04E-16 | 1.14E-11 |
| <i>PRKCD</i> | -0.4270092 | 7.03E-16 | 1.14E-11 |
| <i>CCL28</i> | -0.4270363 | 7.00E-16 | 1.13E-11 |

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| <i>SLC9A3R1</i> | -0.4270583 | 6.97E-16 | 1.13E-11 |
| <i>AIF1</i> | -0.4270961 | 6.93E-16 | 1.12E-11 |
| <i>CD300LB</i> | -0.4271356 | 6.88E-16 | 1.11E-11 |
| <i>FBXL5</i> | -0.4274298 | 6.54E-16 | 1.06E-11 |
| <i>SYTL4</i> | -0.4274443 | 6.53E-16 | 1.06E-11 |
| <i>BCL10</i> | -0.4274886 | 6.48E-16 | 1.05E-11 |
| <i>MDGA1</i> | -0.4275368 | 6.42E-16 | 1.04E-11 |
| <i>FAM19A2</i> | -0.4276192 | 6.33E-16 | 1.02E-11 |
| <i>NHSL2</i> | -0.4277084 | 6.24E-16 | 1.01E-11 |
| <i>GPR172B</i> | -0.427981 | 5.95E-16 | 9.63E-12 |
| <i>NDN</i> | -0.4280029 | 5.93E-16 | 9.59E-12 |
| <i>GRIA1</i> | -0.4280761 | 5.86E-16 | 9.47E-12 |
| <i>ZFAND3</i> | -0.4281145 | 5.82E-16 | 9.41E-12 |
| <i>FCRL1</i> | -0.4282384 | 5.69E-16 | 9.22E-12 |
| <i>LOC643008</i> | -0.4283547 | 5.58E-16 | 9.03E-12 |
| <i>SPTLC2</i> | -0.4283617 | 5.57E-16 | 9.02E-12 |
| <i>DIRC2</i> | -0.4283924 | 5.55E-16 | 8.98E-12 |
| <i>FAM193A</i> | -0.4284314 | 5.51E-16 | 8.92E-12 |
| <i>CORO2A</i> | -0.4284438 | 5.50E-16 | 8.90E-12 |
| <i>TMEM82</i> | -0.428502 | 5.44E-16 | 8.81E-12 |
| <i>KHNYN</i> | -0.428521 | 5.42E-16 | 8.78E-12 |
| <i>EXTL1</i> | -0.428551 | 5.40E-16 | 8.74E-12 |
| <i>BFSP2</i> | -0.4287455 | 5.22E-16 | 8.45E-12 |
| <i>IKZF2</i> | -0.428763 | 5.20E-16 | 8.43E-12 |
| <i>LANCL3</i> | -0.4288149 | 5.16E-16 | 8.35E-12 |
| <i>SERTAD2</i> | -0.4289943 | 5.00E-16 | 8.10E-12 |
| <i>VPS39</i> | -0.4290049 | 4.99E-16 | 8.08E-12 |
| <i>BHLHE41</i> | -0.429032 | 4.97E-16 | 8.05E-12 |
| <i>SH2D3C</i> | -0.4290706 | 4.93E-16 | 7.99E-12 |
| <i>BAK1</i> | -0.4291154 | 4.90E-16 | 7.93E-12 |
| <i>FBLN5</i> | -0.429143 | 4.87E-16 | 7.90E-12 |
| <i>ANKRD45</i> | -0.4291761 | 4.84E-16 | 7.85E-12 |
| <i>LASP1</i> | -0.4292598 | 4.77E-16 | 7.74E-12 |
| <i>CHRM5</i> | -0.4293682 | 4.69E-16 | 7.60E-12 |
| <i>IL10</i> | -0.4294736 | 4.60E-16 | 7.46E-12 |
| <i>VAV1</i> | -0.4295414 | 4.55E-16 | 7.37E-12 |
| <i>TLR8</i> | -0.4296244 | 4.48E-16 | 7.27E-12 |
| <i>IPCEF1</i> | -0.4297552 | 4.38E-16 | 7.11E-12 |
| <i>ST8SIA4</i> | -0.4298053 | 4.34E-16 | 7.05E-12 |
| <i>CD28</i> | -0.4298945 | 4.28E-16 | 6.94E-12 |
| <i>GPR108</i> | -0.429946 | 4.24E-16 | 6.88E-12 |
| <i>FAM73B</i> | -0.430007 | 4.20E-16 | 6.81E-12 |
| <i>CYS1</i> | -0.4300811 | 4.14E-16 | 6.72E-12 |
| <i>CPEB2</i> | -0.4302073 | 4.05E-16 | 6.58E-12 |
| <i>KCNK12</i> | -0.4302236 | 4.04E-16 | 6.56E-12 |
| <i>GNAL</i> | -0.4302479 | 4.02E-16 | 6.53E-12 |
| <i>SYNM</i> | -0.4302823 | 4.00E-16 | 6.49E-12 |
| <i>CD1C</i> | -0.4303079 | 3.98E-16 | 6.46E-12 |
| <i>SDK1</i> | -0.4304065 | 3.92E-16 | 6.35E-12 |
| <i>GNG12</i> | -0.4304657 | 3.88E-16 | 6.29E-12 |
| <i>ITK</i> | -0.4305911 | 3.79E-16 | 6.16E-12 |

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| <i>PDE9A</i> | -0.4308235 | 3.64E-16 | 5.91E-12 |
| <i>ETS1</i> | -0.4308803 | 3.61E-16 | 5.86E-12 |
| <i>C8G</i> | -0.4309885 | 3.54E-16 | 5.75E-12 |
| <i>KIT</i> | -0.4310797 | 3.48E-16 | 5.66E-12 |
| <i>MFSD9</i> | -0.4313268 | 3.34E-16 | 5.42E-12 |
| <i>MPRIP</i> | -0.4314408 | 3.27E-16 | 5.32E-12 |
| <i>PALM</i> | -0.4314539 | 3.26E-16 | 5.30E-12 |
| <i>SOX18</i> | -0.4314608 | 3.26E-16 | 5.30E-12 |
| <i>UBR2</i> | -0.4315286 | 3.22E-16 | 5.24E-12 |
| <i>IL11RA</i> | -0.4316487 | 3.16E-16 | 5.13E-12 |
| <i>RAB6B</i> | -0.4316961 | 3.13E-16 | 5.09E-12 |
| <i>GP9</i> | -0.4316964 | 3.13E-16 | 5.09E-12 |
| <i>ST8SIA1</i> | -0.4317923 | 3.08E-16 | 5.00E-12 |
| <i>GAB1</i> | -0.4318143 | 3.07E-16 | 4.98E-12 |
| <i>ATG4D</i> | -0.4318664 | 3.04E-16 | 4.94E-12 |
| <i>MADD</i> | -0.4319439 | 3.00E-16 | 4.87E-12 |
| <i>CLIP3</i> | -0.4320164 | 2.96E-16 | 4.81E-12 |
| <i>NKX2-2</i> | -0.4320217 | 2.96E-16 | 4.81E-12 |
| <i>NUDT22</i> | -0.432419 | 2.76E-16 | 4.49E-12 |
| <i>KCNA1</i> | -0.4325005 | 2.72E-16 | 4.43E-12 |
| <i>IQSEC2</i> | -0.4326716 | 2.64E-16 | 4.30E-12 |
| <i>CEACAM7</i> | -0.4327265 | 2.61E-16 | 4.25E-12 |
| <i>KLRC1</i> | -0.4327741 | 2.59E-16 | 4.22E-12 |
| <i>ROCK1</i> | -0.4328324 | 2.57E-16 | 4.18E-12 |
| <i>MEFV</i> | -0.4328468 | 2.56E-16 | 4.17E-12 |
| <i>ASCC2</i> | -0.432875 | 2.55E-16 | 4.15E-12 |
| <i>CYP4B1</i> | -0.4329898 | 2.50E-16 | 4.07E-12 |
| <i>TCF7L2</i> | -0.4330374 | 2.48E-16 | 4.03E-12 |
| <i>CTAGE5</i> | -0.4332702 | 2.38E-16 | 3.87E-12 |
| <i>TGFA</i> | -0.4333067 | 2.36E-16 | 3.85E-12 |
| <i>MAP7D1</i> | -0.4333173 | 2.36E-16 | 3.84E-12 |
| <i>IP6K1</i> | -0.4334292 | 2.31E-16 | 3.77E-12 |
| <i>HLA-DPB1</i> | -0.4335122 | 2.28E-16 | 3.71E-12 |
| <i>PTPRJ</i> | -0.4335928 | 2.25E-16 | 3.66E-12 |
| <i>SIGLEC5</i> | -0.433627 | 2.23E-16 | 3.64E-12 |
| <i>SCARF1</i> | -0.4336362 | 2.23E-16 | 3.63E-12 |
| <i>TNNT3</i> | -0.43364 | 2.23E-16 | 3.63E-12 |
| <i>ZDHHC15</i> | -0.4336406 | 2.23E-16 | 3.63E-12 |
| <i>TRIM14</i> | -0.4336508 | 2.22E-16 | 3.63E-12 |
| <i>SMAD4</i> | -0.4336809 | 2.21E-16 | 3.61E-12 |
| <i>CIDEC</i> | -0.4336939 | 2.21E-16 | 3.60E-12 |
| <i>CACNG7</i> | -0.4336987 | 2.21E-16 | 3.60E-12 |
| <i>ZNF396</i> | -0.4338187 | 2.16E-16 | 3.52E-12 |
| <i>PELI2</i> | -0.4338892 | 2.13E-16 | 3.48E-12 |
| <i>CCL19</i> | -0.4339681 | 2.10E-16 | 3.43E-12 |
| <i>MYO1F</i> | -0.4340577 | 2.07E-16 | 3.38E-12 |
| <i>CD53</i> | -0.4340724 | 2.07E-16 | 3.37E-12 |
| <i>EVI2A</i> | -0.434078 | 2.06E-16 | 3.37E-12 |
| <i>SERPINA9</i> | -0.4341824 | 2.03E-16 | 3.31E-12 |
| <i>CCL5</i> | -0.4342253 | 2.01E-16 | 3.28E-12 |
| <i>LRFN3</i> | -0.434286 | 1.99E-16 | 3.25E-12 |

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| <i>SLCO2B1</i> | -0.4346097 | 1.88E-16 | 3.07E-12 |
| <i>LRRC25</i> | -0.4346512 | 1.87E-16 | 3.05E-12 |
| <i>MAP2K4</i> | -0.4346581 | 1.86E-16 | 3.04E-12 |
| <i>MAML3</i> | -0.4346881 | 1.85E-16 | 3.03E-12 |
| <i>LIMK2</i> | -0.4346948 | 1.85E-16 | 3.02E-12 |
| <i>APBA1</i> | -0.4347686 | 1.83E-16 | 2.99E-12 |
| <i>GLIS3</i> | -0.4349048 | 1.78E-16 | 2.92E-12 |
| <i>CCDC107</i> | -0.4350601 | 1.74E-16 | 2.84E-12 |
| <i>VSIG2</i> | -0.4351221 | 1.72E-16 | 2.81E-12 |
| <i>GP2</i> | -0.435134 | 1.71E-16 | 2.80E-12 |
| <i>VCL</i> | -0.4352371 | 1.68E-16 | 2.75E-12 |
| <i>WNT1</i> | -0.4353573 | 1.65E-16 | 2.69E-12 |
| <i>OTUD1</i> | -0.435428 | 1.63E-16 | 2.66E-12 |
| <i>CDC42EP5</i> | -0.43554 | 1.60E-16 | 2.61E-12 |
| <i>NOTCH2</i> | -0.4355826 | 1.58E-16 | 2.59E-12 |
| <i>CAV1</i> | -0.4356839 | 1.56E-16 | 2.54E-12 |
| <i>SULT1A1</i> | -0.4356867 | 1.55E-16 | 2.54E-12 |
| <i>C17orf44</i> | -0.4357249 | 1.54E-16 | 2.53E-12 |
| <i>ATG4A</i> | -0.4357341 | 1.54E-16 | 2.52E-12 |
| <i>JPH2</i> | -0.4357474 | 1.54E-16 | 2.52E-12 |
| <i>LOC1002407</i> | -0.4357514 | 1.54E-16 | 2.51E-12 |
| <i>SGK223</i> | -0.4357999 | 1.52E-16 | 2.49E-12 |
| <i>GDNF</i> | -0.435861 | 1.51E-16 | 2.47E-12 |
| <i>CASQ2</i> | -0.4358728 | 1.50E-16 | 2.46E-12 |
| <i>C1orf210</i> | -0.4358853 | 1.50E-16 | 2.46E-12 |
| <i>KIAA1109</i> | -0.4358973 | 1.50E-16 | 2.45E-12 |
| <i>PPP1R12C</i> | -0.4359177 | 1.49E-16 | 2.44E-12 |
| <i>VAT1L</i> | -0.4360663 | 1.45E-16 | 2.38E-12 |
| <i>RAB3B</i> | -0.436145 | 1.43E-16 | 2.35E-12 |
| <i>6-Sep</i> | -0.4361459 | 1.43E-16 | 2.35E-12 |
| <i>GABARAP</i> | -0.4361491 | 1.43E-16 | 2.35E-12 |
| <i>ARNTL</i> | -0.4362475 | 1.41E-16 | 2.31E-12 |
| <i>COL4A6</i> | -0.4362623 | 1.40E-16 | 2.30E-12 |
| <i>ADSSL1</i> | -0.4362697 | 1.40E-16 | 2.30E-12 |
| <i>SGSM1</i> | -0.4362785 | 1.40E-16 | 2.29E-12 |
| <i>DDR2</i> | -0.4363138 | 1.39E-16 | 2.28E-12 |
| <i>TCL1A</i> | -0.4365271 | 1.34E-16 | 2.20E-12 |
| <i>SLC10A2</i> | -0.4366138 | 1.32E-16 | 2.16E-12 |
| <i>ACAA2</i> | -0.4366803 | 1.30E-16 | 2.14E-12 |
| <i>ABCA1</i> | -0.4367726 | 1.28E-16 | 2.10E-12 |
| <i>TMEM102</i> | -0.436796 | 1.28E-16 | 2.09E-12 |
| <i>TMEM196</i> | -0.4368471 | 1.27E-16 | 2.08E-12 |
| <i>HS6ST3</i> | -0.4370219 | 1.23E-16 | 2.01E-12 |
| <i>ANKRD56</i> | -0.4371167 | 1.21E-16 | 1.98E-12 |
| <i>CCDC96</i> | -0.4371427 | 1.20E-16 | 1.97E-12 |
| <i>TAL1</i> | -0.4371698 | 1.20E-16 | 1.96E-12 |
| <i>YPEL2</i> | -0.4373386 | 1.16E-16 | 1.90E-12 |
| <i>WSCD1</i> | -0.4373669 | 1.15E-16 | 1.89E-12 |
| <i>IL18R1</i> | -0.4374086 | 1.15E-16 | 1.88E-12 |
| <i>CHRNA3</i> | -0.4374867 | 1.13E-16 | 1.85E-12 |
| <i>LMF2</i> | -0.437556 | 1.12E-16 | 1.83E-12 |

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| <i>CDC42BPB</i> | -0.4375792 | 1.11E-16 | 1.82E-12 |
| <i>RIMBP3</i> | -0.4377314 | 1.08E-16 | 1.78E-12 |
| <i>RSAD2</i> | -0.4377402 | 1.08E-16 | 1.77E-12 |
| <i>ZDHHC22</i> | -0.4377803 | 1.07E-16 | 1.76E-12 |
| <i>PLA2G2D</i> | -0.4378694 | 1.06E-16 | 1.73E-12 |
| <i>LILRA1</i> | -0.4379978 | 1.03E-16 | 1.69E-12 |
| <i>C6orf89</i> | -0.438009 | 1.03E-16 | 1.69E-12 |
| <i>PGM5</i> | -0.4380423 | 1.02E-16 | 1.68E-12 |
| <i>FAM163A</i> | -0.4380927 | 1.02E-16 | 1.67E-12 |
| <i>YPEL4</i> | -0.4381275 | 1.01E-16 | 1.66E-12 |
| <i>CHODL</i> | -0.4383023 | 9.78E-17 | 1.61E-12 |
| <i>KY</i> | -0.4383599 | 9.68E-17 | 1.59E-12 |
| <i>MGAT5B</i> | -0.4383918 | 9.62E-17 | 1.58E-12 |
| <i>PWWP2B</i> | -0.4384214 | 9.57E-17 | 1.57E-12 |
| <i>C1orf94</i> | -0.4385484 | 9.36E-17 | 1.54E-12 |
| <i>FAM22A</i> | -0.4385577 | 9.34E-17 | 1.54E-12 |
| <i>NCRNA0018</i> | -0.4385997 | 9.27E-17 | 1.52E-12 |
| <i>SMYD4</i> | -0.4387287 | 9.06E-17 | 1.49E-12 |
| <i>RIPK3</i> | -0.4390061 | 8.63E-17 | 1.42E-12 |
| <i>ATRNL1</i> | -0.439123 | 8.45E-17 | 1.39E-12 |
| <i>GPS2</i> | -0.4392258 | 8.29E-17 | 1.36E-12 |
| <i>LMTK2</i> | -0.439261 | 8.24E-17 | 1.36E-12 |
| <i>ATOH1</i> | -0.4393481 | 8.12E-17 | 1.33E-12 |
| <i>LOC389033</i> | -0.4394728 | 7.94E-17 | 1.31E-12 |
| <i>GALNT7</i> | -0.4394862 | 7.92E-17 | 1.30E-12 |
| <i>FBLN7</i> | -0.4395367 | 7.85E-17 | 1.29E-12 |
| <i>GCET2</i> | -0.4395427 | 7.84E-17 | 1.29E-12 |
| <i>EXT1</i> | -0.4395566 | 7.82E-17 | 1.29E-12 |
| <i>DYNC1LI2</i> | -0.4395779 | 7.79E-17 | 1.28E-12 |
| <i>DULLARD</i> | -0.4396121 | 7.74E-17 | 1.27E-12 |
| <i>INPP4A</i> | -0.4397843 | 7.51E-17 | 1.24E-12 |
| <i>TPSB2</i> | -0.4398001 | 7.49E-17 | 1.23E-12 |
| <i>TMEM90A</i> | -0.4398634 | 7.40E-17 | 1.22E-12 |
| <i>KLHL1</i> | -0.4399228 | 7.32E-17 | 1.21E-12 |
| <i>RIMKLA</i> | -0.4399405 | 7.30E-17 | 1.20E-12 |
| <i>DSEL</i> | -0.4399751 | 7.25E-17 | 1.19E-12 |
| <i>LCP1</i> | -0.4400335 | 7.18E-17 | 1.18E-12 |
| <i>STX11</i> | -0.4400363 | 7.18E-17 | 1.18E-12 |
| <i>DPP8</i> | -0.4400436 | 7.17E-17 | 1.18E-12 |
| <i>FCN1</i> | -0.4402122 | 6.95E-17 | 1.15E-12 |
| <i>EDN3</i> | -0.4402199 | 6.94E-17 | 1.14E-12 |
| <i>KCNB2</i> | -0.4402413 | 6.92E-17 | 1.14E-12 |
| <i>LGMN</i> | -0.440306 | 6.84E-17 | 1.13E-12 |
| <i>RPS6KA5</i> | -0.4403636 | 6.77E-17 | 1.11E-12 |
| <i>MAP2</i> | -0.4404203 | 6.70E-17 | 1.10E-12 |
| <i>PDE6A</i> | -0.4405184 | 6.58E-17 | 1.08E-12 |
| <i>FILIP1</i> | -0.4406244 | 6.46E-17 | 1.06E-12 |
| <i>NOS1AP</i> | -0.4406328 | 6.45E-17 | 1.06E-12 |
| <i>TACR2</i> | -0.440708 | 6.36E-17 | 1.05E-12 |
| <i>PLD3</i> | -0.4408081 | 6.25E-17 | 1.03E-12 |
| <i>FEM1C</i> | -0.4408211 | 6.23E-17 | 1.03E-12 |

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| <i>MS4A12</i> | -0.4409126 | 6.13E-17 | 1.01E-12 |
| <i>MT1L</i> | -0.4409355 | 6.11E-17 | 1.01E-12 |
| <i>KBTBD11</i> | -0.4409555 | 6.09E-17 | 1.00E-12 |
| <i>STK10</i> | -0.4409795 | 6.06E-17 | 9.99E-13 |
| <i>C17orf107</i> | -0.4411503 | 5.88E-17 | 9.69E-13 |
| <i>SMAD7</i> | -0.4412741 | 5.75E-17 | 9.48E-13 |
| <i>LY86</i> | -0.4413914 | 5.63E-17 | 9.28E-13 |
| <i>LOC389493</i> | -0.4414511 | 5.57E-17 | 9.18E-13 |
| <i>SLC5A10</i> | -0.4415099 | 5.51E-17 | 9.09E-13 |
| <i>FCGR2C</i> | -0.4415475 | 5.47E-17 | 9.03E-13 |
| <i>IGF1</i> | -0.4416135 | 5.41E-17 | 8.92E-13 |
| <i>CLIP2</i> | -0.4416184 | 5.40E-17 | 8.91E-13 |
| <i>AMHR2</i> | -0.441649 | 5.37E-17 | 8.87E-13 |
| <i>HIC1</i> | -0.4416707 | 5.35E-17 | 8.83E-13 |
| <i>CNDP2</i> | -0.4418168 | 5.21E-17 | 8.60E-13 |
| <i>UBE2G1</i> | -0.4418582 | 5.17E-17 | 8.54E-13 |
| <i>PRKCA</i> | -0.44194 | 5.10E-17 | 8.42E-13 |
| <i>SLITRK4</i> | -0.4420587 | 4.99E-17 | 8.24E-13 |
| <i>NBL1</i> | -0.4421887 | 4.87E-17 | 8.05E-13 |
| <i>SNCA</i> | -0.4423839 | 4.71E-17 | 7.77E-13 |
| <i>SGPP1</i> | -0.4424427 | 4.66E-17 | 7.69E-13 |
| <i>MTNR1A</i> | -0.4424612 | 4.64E-17 | 7.66E-13 |
| <i>LRRK2</i> | -0.4425168 | 4.59E-17 | 7.59E-13 |
| <i>TSPAN7</i> | -0.4425451 | 4.57E-17 | 7.55E-13 |
| <i>OR2L13</i> | -0.4425707 | 4.55E-17 | 7.52E-13 |
| <i>CDHR5</i> | -0.4428034 | 4.36E-17 | 7.21E-13 |
| <i>TEK</i> | -0.4428472 | 4.33E-17 | 7.15E-13 |
| <i>SPARCL1</i> | -0.4429126 | 4.28E-17 | 7.07E-13 |
| <i>C6orf105</i> | -0.4431852 | 4.07E-17 | 6.73E-13 |
| <i>FCGR2B</i> | -0.4431991 | 4.06E-17 | 6.71E-13 |
| <i>CLDN7</i> | -0.4432426 | 4.03E-17 | 6.66E-13 |
| <i>ATP6V0D2</i> | -0.4433554 | 3.95E-17 | 6.53E-13 |
| <i>TNS1</i> | -0.4434316 | 3.89E-17 | 6.44E-13 |
| <i>ACTR1A</i> | -0.4434316 | 3.89E-17 | 6.44E-13 |
| <i>CYP21A2</i> | -0.4435349 | 3.82E-17 | 6.32E-13 |
| <i>AP1G1</i> | -0.4436514 | 3.74E-17 | 6.19E-13 |
| <i>VEPH1</i> | -0.4436654 | 3.73E-17 | 6.17E-13 |
| <i>RABGAP1L</i> | -0.443974 | 3.53E-17 | 5.84E-13 |
| <i>EP300</i> | -0.4441471 | 3.42E-17 | 5.66E-13 |
| <i>C17orf87</i> | -0.4442509 | 3.36E-17 | 5.56E-13 |
| <i>RAF1</i> | -0.4442554 | 3.35E-17 | 5.55E-13 |
| <i>OPA3</i> | -0.4443982 | 3.27E-17 | 5.41E-13 |
| <i>CD226</i> | -0.4444228 | 3.25E-17 | 5.39E-13 |
| <i>GPR171</i> | -0.4444437 | 3.24E-17 | 5.37E-13 |
| <i>CSMD1</i> | -0.4444843 | 3.22E-17 | 5.33E-13 |
| <i>XDH</i> | -0.4445303 | 3.19E-17 | 5.28E-13 |
| <i>ICAM3</i> | -0.4446725 | 3.11E-17 | 5.15E-13 |
| <i>ITPR1</i> | -0.4447341 | 3.07E-17 | 5.09E-13 |
| <i>SLC18A2</i> | -0.4447345 | 3.07E-17 | 5.09E-13 |
| <i>MS4A1</i> | -0.4447668 | 3.06E-17 | 5.06E-13 |
| <i>GPRIN2</i> | -0.4448581 | 3.01E-17 | 4.98E-13 |

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| <i>CYP4F22</i> | -0.4448858 | 2.99E-17 | 4.95E-13 |
| <i>MAN2A1</i> | -0.4449209 | 2.97E-17 | 4.92E-13 |
| <i>RALBP1</i> | -0.4449294 | 2.97E-17 | 4.92E-13 |
| <i>RADIL</i> | -0.4450284 | 2.91E-17 | 4.83E-13 |
| <i>ZNF304</i> | -0.4451312 | 2.86E-17 | 4.74E-13 |
| <i>ATG2B</i> | -0.4451703 | 2.84E-17 | 4.71E-13 |
| <i>KIAA1239</i> | -0.4453845 | 2.73E-17 | 4.53E-13 |
| <i>NCR3</i> | -0.4455353 | 2.66E-17 | 4.40E-13 |
| <i>RFPL1S</i> | -0.4455808 | 2.64E-17 | 4.37E-13 |
| <i>FIGN</i> | -0.4456286 | 2.61E-17 | 4.33E-13 |
| <i>CLCA2</i> | -0.4456648 | 2.60E-17 | 4.30E-13 |
| <i>SLC26A2</i> | -0.4457607 | 2.55E-17 | 4.23E-13 |
| <i>PSD</i> | -0.4457652 | 2.55E-17 | 4.22E-13 |
| <i>C1orf69</i> | -0.4458678 | 2.50E-17 | 4.15E-13 |
| <i>MYOCD</i> | -0.4460334 | 2.43E-17 | 4.02E-13 |
| <i>LRRC33</i> | -0.4460739 | 2.41E-17 | 3.99E-13 |
| <i>MYO5B</i> | -0.4460929 | 2.40E-17 | 3.98E-13 |
| <i>OPRL1</i> | -0.4461637 | 2.37E-17 | 3.93E-13 |
| <i>CPT1A</i> | -0.4462164 | 2.35E-17 | 3.89E-13 |
| <i>MOBKL2C</i> | -0.4462748 | 2.32E-17 | 3.85E-13 |
| <i>MUC2</i> | -0.4463427 | 2.29E-17 | 3.80E-13 |
| <i>ZNF385B</i> | -0.4463567 | 2.29E-17 | 3.80E-13 |
| <i>RUNDC1</i> | -0.4463773 | 2.28E-17 | 3.78E-13 |
| <i>CYP8B1</i> | -0.4464676 | 2.24E-17 | 3.72E-13 |
| <i>PROKR1</i> | -0.4464926 | 2.23E-17 | 3.70E-13 |
| <i>SGPL1</i> | -0.4465466 | 2.21E-17 | 3.67E-13 |
| <i>LIPC</i> | -0.446607 | 2.19E-17 | 3.63E-13 |
| <i>CA10</i> | -0.4466661 | 2.16E-17 | 3.59E-13 |
| <i>MPI</i> | -0.4466672 | 2.16E-17 | 3.59E-13 |
| <i>ALAS1</i> | -0.4467735 | 2.12E-17 | 3.52E-13 |
| <i>AFF4</i> | -0.4468636 | 2.08E-17 | 3.46E-13 |
| <i>NR5A2</i> | -0.4468712 | 2.08E-17 | 3.46E-13 |
| <i>PER1</i> | -0.4469476 | 2.05E-17 | 3.41E-13 |
| <i>ATG2A</i> | -0.4469947 | 2.04E-17 | 3.38E-13 |
| <i>PHACTR4</i> | -0.4469964 | 2.03E-17 | 3.38E-13 |
| <i>SOCS2</i> | -0.447023 | 2.02E-17 | 3.36E-13 |
| <i>CA14</i> | -0.4470382 | 2.02E-17 | 3.35E-13 |
| <i>ST5</i> | -0.4470433 | 2.02E-17 | 3.35E-13 |
| <i>ABCD3</i> | -0.4471084 | 1.99E-17 | 3.31E-13 |
| <i>SLC16A7</i> | -0.4471853 | 1.97E-17 | 3.27E-13 |
| <i>GATA1</i> | -0.4471997 | 1.96E-17 | 3.26E-13 |
| <i>AFF2</i> | -0.4472289 | 1.95E-17 | 3.24E-13 |
| <i>SLIT2</i> | -0.4473372 | 1.91E-17 | 3.18E-13 |
| <i>CASP9</i> | -0.447348 | 1.91E-17 | 3.17E-13 |
| <i>TTYH2</i> | -0.4474423 | 1.88E-17 | 3.12E-13 |
| <i>RGL4</i> | -0.4474617 | 1.87E-17 | 3.11E-13 |
| <i>PPP4R1</i> | -0.4476268 | 1.81E-17 | 3.01E-13 |
| <i>PNMA1</i> | -0.4476477 | 1.81E-17 | 3.00E-13 |
| <i>KCTD1</i> | -0.4478106 | 1.75E-17 | 2.91E-13 |
| <i>C18orf25</i> | -0.4479204 | 1.72E-17 | 2.86E-13 |
| <i>GALNTL1</i> | -0.4479368 | 1.71E-17 | 2.85E-13 |

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| <i>IL17REL</i> | -0.4479668 | 1.70E-17 | 2.83E-13 |
| <i>MEGF9</i> | -0.4479992 | 1.69E-17 | 2.82E-13 |
| <i>LRRC8C</i> | -0.448057 | 1.67E-17 | 2.79E-13 |
| <i>SNAP25</i> | -0.4482599 | 1.61E-17 | 2.69E-13 |
| <i>KIF17</i> | -0.4482642 | 1.61E-17 | 2.68E-13 |
| <i>SNAP29</i> | -0.4482666 | 1.61E-17 | 2.68E-13 |
| <i>SOX17</i> | -0.4483678 | 1.58E-17 | 2.63E-13 |
| <i>CD19</i> | -0.4483715 | 1.58E-17 | 2.63E-13 |
| <i>GAB3</i> | -0.4483761 | 1.58E-17 | 2.63E-13 |
| <i>PPTC7</i> | -0.4484604 | 1.56E-17 | 2.59E-13 |
| <i>KCNG3</i> | -0.448487 | 1.55E-17 | 2.58E-13 |
| <i>BRPF3</i> | -0.4485223 | 1.54E-17 | 2.56E-13 |
| <i>PLA2G10</i> | -0.4485482 | 1.53E-17 | 2.55E-13 |
| <i>EYA2</i> | -0.4486266 | 1.51E-17 | 2.51E-13 |
| <i>NTRK3</i> | -0.4486408 | 1.50E-17 | 2.51E-13 |
| <i>NRIP1</i> | -0.4487456 | 1.48E-17 | 2.46E-13 |
| <i>TMEM106A</i> | -0.4488959 | 1.44E-17 | 2.39E-13 |
| <i>SLC9A2</i> | -0.448991 | 1.41E-17 | 2.35E-13 |
| <i>ASB7</i> | -0.449043 | 1.40E-17 | 2.33E-13 |
| <i>PLD4</i> | -0.4490893 | 1.38E-17 | 2.31E-13 |
| <i>HMGCL</i> | -0.4491721 | 1.36E-17 | 2.27E-13 |
| <i>JPH3</i> | -0.4492002 | 1.36E-17 | 2.26E-13 |
| <i>NEFH</i> | -0.449224 | 1.35E-17 | 2.25E-13 |
| <i>KANK3</i> | -0.4492265 | 1.35E-17 | 2.25E-13 |
| <i>SPON1</i> | -0.4492913 | 1.33E-17 | 2.23E-13 |
| <i>UBE2QL1</i> | -0.4493243 | 1.33E-17 | 2.21E-13 |
| <i>B2M</i> | -0.4493381 | 1.32E-17 | 2.21E-13 |
| <i>MMRN2</i> | -0.4493782 | 1.31E-17 | 2.19E-13 |
| <i>PRDX6</i> | -0.4494107 | 1.31E-17 | 2.18E-13 |
| <i>ZNF24</i> | -0.4494172 | 1.30E-17 | 2.18E-13 |
| <i>CELF4</i> | -0.4494879 | 1.29E-17 | 2.15E-13 |
| <i>TMEM132B</i> | -0.4495682 | 1.27E-17 | 2.12E-13 |
| <i>ACAP2</i> | -0.4495741 | 1.27E-17 | 2.11E-13 |
| <i>TJP3</i> | -0.449678 | 1.24E-17 | 2.07E-13 |
| <i>INSL5</i> | -0.4497995 | 1.21E-17 | 2.03E-13 |
| <i>SORBS3</i> | -0.4498289 | 1.21E-17 | 2.02E-13 |
| <i>SLC22A17</i> | -0.4498492 | 1.20E-17 | 2.01E-13 |
| <i>CSRP1</i> | -0.4499779 | 1.18E-17 | 1.96E-13 |
| <i>RTN1</i> | -0.4500211 | 1.17E-17 | 1.95E-13 |
| <i>KRT1</i> | -0.4502597 | 1.12E-17 | 1.86E-13 |
| <i>LOC387647</i> | -0.4502826 | 1.11E-17 | 1.86E-13 |
| <i>IL2RB</i> | -0.450314 | 1.10E-17 | 1.85E-13 |
| <i>ZNF676</i> | -0.4503716 | 1.09E-17 | 1.83E-13 |
| <i>SELPLG</i> | -0.4504913 | 1.07E-17 | 1.79E-13 |
| <i>SCG2</i> | -0.4505473 | 1.06E-17 | 1.77E-13 |
| <i>MEF2C</i> | -0.4505942 | 1.05E-17 | 1.75E-13 |
| <i>SLC1A1</i> | -0.4506126 | 1.05E-17 | 1.75E-13 |
| <i>MEGF10</i> | -0.4506144 | 1.04E-17 | 1.75E-13 |
| <i>SUFU</i> | -0.4506656 | 1.03E-17 | 1.73E-13 |
| <i>PTPRC</i> | -0.4506896 | 1.03E-17 | 1.72E-13 |
| <i>ITPKB</i> | -0.4507046 | 1.03E-17 | 1.72E-13 |

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| <i>CALM1</i> | -0.4507235 | 1.02E-17 | 1.71E-13 |
| <i>ZNF516</i> | -0.4509428 | 9.83E-18 | 1.64E-13 |
| <i>NRG3</i> | -0.4512055 | 9.36E-18 | 1.57E-13 |
| <i>NDEL1</i> | -0.4512135 | 9.35E-18 | 1.56E-13 |
| <i>TNFSF8</i> | -0.4512902 | 9.22E-18 | 1.54E-13 |
| <i>KANK2</i> | -0.4513611 | 9.10E-18 | 1.52E-13 |
| <i>CTSS</i> | -0.4513707 | 9.08E-18 | 1.52E-13 |
| <i>CLIC2</i> | -0.4513733 | 9.07E-18 | 1.52E-13 |
| <i>ADAM33</i> | -0.451448 | 8.95E-18 | 1.50E-13 |
| <i>DIXDC1</i> | -0.4515954 | 8.71E-18 | 1.46E-13 |
| <i>TMIGD2</i> | -0.4516036 | 8.69E-18 | 1.46E-13 |
| <i>TLL6</i> | -0.4517223 | 8.50E-18 | 1.42E-13 |
| <i>ASXL3</i> | -0.4517716 | 8.43E-18 | 1.41E-13 |
| <i>SEMA4B</i> | -0.4518641 | 8.28E-18 | 1.39E-13 |
| <i>HCK</i> | -0.4519084 | 8.21E-18 | 1.38E-13 |
| <i>SFRP5</i> | -0.4519216 | 8.19E-18 | 1.37E-13 |
| <i>MYO9A</i> | -0.4519595 | 8.14E-18 | 1.36E-13 |
| <i>CD33</i> | -0.4520118 | 8.06E-18 | 1.35E-13 |
| <i>RGAG4</i> | -0.4520652 | 7.98E-18 | 1.34E-13 |
| <i>A2M</i> | -0.4522395 | 7.72E-18 | 1.29E-13 |
| <i>MS4A4A</i> | -0.4522445 | 7.72E-18 | 1.29E-13 |
| <i>AGFG2</i> | -0.452304 | 7.63E-18 | 1.28E-13 |
| <i>DEPDC5</i> | -0.4523778 | 7.53E-18 | 1.26E-13 |
| <i>NEDD9</i> | -0.4525531 | 7.28E-18 | 1.22E-13 |
| <i>SCARA3</i> | -0.4527145 | 7.07E-18 | 1.19E-13 |
| <i>CCRL1</i> | -0.4527895 | 6.97E-18 | 1.17E-13 |
| <i>KBTBD4</i> | -0.4528235 | 6.93E-18 | 1.16E-13 |
| <i>LDOC1L</i> | -0.4528277 | 6.92E-18 | 1.16E-13 |
| <i>KIF5C</i> | -0.4528714 | 6.86E-18 | 1.15E-13 |
| <i>ARF3</i> | -0.4529645 | 6.75E-18 | 1.13E-13 |
| <i>FAM49A</i> | -0.4530233 | 6.67E-18 | 1.12E-13 |
| <i>NRG4</i> | -0.4530349 | 6.66E-18 | 1.12E-13 |
| <i>STAC2</i> | -0.4531015 | 6.58E-18 | 1.10E-13 |
| <i>ASAM</i> | -0.4531559 | 6.51E-18 | 1.09E-13 |
| <i>MS4A6A</i> | -0.4531665 | 6.50E-18 | 1.09E-13 |
| <i>SFTA1P</i> | -0.4531944 | 6.46E-18 | 1.08E-13 |
| <i>DERL3</i> | -0.4533054 | 6.33E-18 | 1.06E-13 |
| <i>RAB27B</i> | -0.4533844 | 6.24E-18 | 1.05E-13 |
| <i>BTNL8</i> | -0.4533928 | 6.23E-18 | 1.05E-13 |
| <i>SEMA6D</i> | -0.453441 | 6.17E-18 | 1.04E-13 |
| <i>POLR2A</i> | -0.4535518 | 6.04E-18 | 1.01E-13 |
| <i>WDR20</i> | -0.4535681 | 6.03E-18 | 1.01E-13 |
| <i>CD3G</i> | -0.453579 | 6.01E-18 | 1.01E-13 |
| <i>PAPPA2</i> | -0.453583 | 6.01E-18 | 1.01E-13 |
| <i>FEM1B</i> | -0.4536361 | 5.95E-18 | 9.99E-14 |
| <i>MYLK</i> | -0.4536552 | 5.93E-18 | 9.96E-14 |
| <i>RAVER2</i> | -0.4539012 | 5.66E-18 | 9.51E-14 |
| <i>ATP8A2</i> | -0.453946 | 5.61E-18 | 9.43E-14 |
| <i>GAS7</i> | -0.4541065 | 5.45E-18 | 9.15E-14 |
| <i>FCRL6</i> | -0.4541302 | 5.42E-18 | 9.11E-14 |
| <i>OSBPL1A</i> | -0.4542483 | 5.31E-18 | 8.91E-14 |

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| <i>CD3E</i> | -0.4542932 | 5.26E-18 | 8.84E-14 |
| <i>TNFAIP8L2</i> | -0.4543274 | 5.23E-18 | 8.78E-14 |
| <i>FES</i> | -0.4543862 | 5.17E-18 | 8.69E-14 |
| <i>ADRB1</i> | -0.4544971 | 5.06E-18 | 8.51E-14 |
| <i>TMEM54</i> | -0.4545066 | 5.05E-18 | 8.49E-14 |
| <i>GPR112</i> | -0.4545288 | 5.03E-18 | 8.46E-14 |
| <i>AR</i> | -0.4546407 | 4.93E-18 | 8.28E-14 |
| <i>PECI</i> | -0.4546546 | 4.92E-18 | 8.26E-14 |
| <i>STAM2</i> | -0.4546678 | 4.90E-18 | 8.24E-14 |
| <i>PHF7</i> | -0.4547524 | 4.83E-18 | 8.11E-14 |
| <i>B4GALT1</i> | -0.4547747 | 4.81E-18 | 8.08E-14 |
| <i>FAM13B</i> | -0.4548034 | 4.78E-18 | 8.04E-14 |
| <i>CASS4</i> | -0.4548626 | 4.73E-18 | 7.95E-14 |
| <i>KLRK1</i> | -0.4548666 | 4.72E-18 | 7.95E-14 |
| <i>ADAP2</i> | -0.4548701 | 4.72E-18 | 7.94E-14 |
| <i>SAP30L</i> | -0.4549058 | 4.69E-18 | 7.89E-14 |
| <i>GNAI1</i> | -0.4549319 | 4.67E-18 | 7.85E-14 |
| <i>TUBB2A</i> | -0.4549789 | 4.63E-18 | 7.78E-14 |
| <i>ACADM</i> | -0.4550064 | 4.60E-18 | 7.74E-14 |
| <i>LOC282997</i> | -0.4550934 | 4.53E-18 | 7.62E-14 |
| <i>C9orf4</i> | -0.4550966 | 4.52E-18 | 7.61E-14 |
| <i>ENPP2</i> | -0.4551005 | 4.52E-18 | 7.61E-14 |
| <i>DIRAS2</i> | -0.4553961 | 4.28E-18 | 7.20E-14 |
| <i>COL4A3BP</i> | -0.4554775 | 4.21E-18 | 7.09E-14 |
| <i>PRSS12</i> | -0.4555065 | 4.19E-18 | 7.05E-14 |
| <i>AHDC1</i> | -0.4556978 | 4.04E-18 | 6.80E-14 |
| <i>SLC22A18AS</i> | -0.4558108 | 3.95E-18 | 6.66E-14 |
| <i>ADH1C</i> | -0.4558205 | 3.95E-18 | 6.65E-14 |
| <i>FAM46B</i> | -0.4558223 | 3.95E-18 | 6.65E-14 |
| <i>C1orf183</i> | -0.4559904 | 3.82E-18 | 6.44E-14 |
| <i>ACAP1</i> | -0.4560356 | 3.79E-18 | 6.39E-14 |
| <i>GNGT2</i> | -0.4560498 | 3.78E-18 | 6.37E-14 |
| <i>ZBTB4</i> | -0.4560827 | 3.76E-18 | 6.33E-14 |
| <i>TRAF3IP3</i> | -0.4560974 | 3.75E-18 | 6.31E-14 |
| <i>GRASP</i> | -0.4562741 | 3.62E-18 | 6.11E-14 |
| <i>EDIL3</i> | -0.4562844 | 3.62E-18 | 6.10E-14 |
| <i>GDPD2</i> | -0.4562856 | 3.62E-18 | 6.10E-14 |
| <i>GPR12</i> | -0.4563063 | 3.60E-18 | 6.07E-14 |
| <i>MYH9</i> | -0.4563504 | 3.57E-18 | 6.02E-14 |
| <i>MOBKL2B</i> | -0.4563823 | 3.55E-18 | 5.99E-14 |
| <i>GPR174</i> | -0.4564512 | 3.50E-18 | 5.91E-14 |
| <i>ASPRV1</i> | -0.4564896 | 3.48E-18 | 5.87E-14 |
| <i>LOC400043</i> | -0.4565528 | 3.44E-18 | 5.80E-14 |
| <i>SLCO1C1</i> | -0.4565826 | 3.42E-18 | 5.77E-14 |
| <i>TNFSF14</i> | -0.4566295 | 3.39E-18 | 5.72E-14 |
| <i>CD69</i> | -0.456644 | 3.38E-18 | 5.70E-14 |
| <i>GCNT3</i> | -0.456657 | 3.37E-18 | 5.69E-14 |
| <i>DENND1C</i> | -0.4566776 | 3.36E-18 | 5.66E-14 |
| <i>C11orf86</i> | -0.4567022 | 3.34E-18 | 5.64E-14 |
| <i>C1orf95</i> | -0.4567154 | 3.33E-18 | 5.63E-14 |
| <i>C1QTNF2</i> | -0.456786 | 3.29E-18 | 5.55E-14 |

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| <i>CHST5</i> | -0.4568825 | 3.23E-18 | 5.45E-14 |
| <i>PDE1B</i> | -0.4568852 | 3.23E-18 | 5.45E-14 |
| <i>NPTX1</i> | -0.4569146 | 3.21E-18 | 5.42E-14 |
| <i>TTC28</i> | -0.4569397 | 3.20E-18 | 5.39E-14 |
| <i>MPZ</i> | -0.4570043 | 3.16E-18 | 5.33E-14 |
| <i>FRRS1</i> | -0.4570224 | 3.15E-18 | 5.31E-14 |
| <i>FAM163B</i> | -0.4571205 | 3.09E-18 | 5.21E-14 |
| <i>PDZRN4</i> | -0.4571345 | 3.08E-18 | 5.20E-14 |
| <i>NBPF10</i> | -0.45719 | 3.05E-18 | 5.14E-14 |
| <i>LPHN3</i> | -0.4572016 | 3.04E-18 | 5.13E-14 |
| <i>KCNIP4</i> | -0.4572842 | 2.99E-18 | 5.05E-14 |
| <i>HIPK4</i> | -0.4573283 | 2.97E-18 | 5.01E-14 |
| <i>SOX15</i> | -0.4573383 | 2.96E-18 | 5.00E-14 |
| <i>RPS6KA1</i> | -0.457508 | 2.87E-18 | 4.85E-14 |
| <i>PGA3</i> | -0.457546 | 2.85E-18 | 4.81E-14 |
| <i>NAT1</i> | -0.4576444 | 2.80E-18 | 4.72E-14 |
| <i>PITPNM1</i> | -0.4576757 | 2.78E-18 | 4.70E-14 |
| <i>HS3ST3B1</i> | -0.4576871 | 2.77E-18 | 4.69E-14 |
| <i>KLF2</i> | -0.4577161 | 2.76E-18 | 4.66E-14 |
| <i>MFSD7</i> | -0.457806 | 2.71E-18 | 4.58E-14 |
| <i>MICALL1</i> | -0.4579071 | 2.66E-18 | 4.49E-14 |
| <i>SERTAD4</i> | -0.4579752 | 2.63E-18 | 4.44E-14 |
| <i>GRB2</i> | -0.458041 | 2.59E-18 | 4.38E-14 |
| <i>TNFSF12</i> | -0.4580768 | 2.58E-18 | 4.35E-14 |
| <i>PER3</i> | -0.4582842 | 2.48E-18 | 4.19E-14 |
| <i>SNCG</i> | -0.4583517 | 2.44E-18 | 4.13E-14 |
| <i>GDPD3</i> | -0.4583601 | 2.44E-18 | 4.13E-14 |
| <i>S100B</i> | -0.4583809 | 2.43E-18 | 4.11E-14 |
| <i>FBXO32</i> | -0.4584012 | 2.42E-18 | 4.09E-14 |
| <i>HSPA2</i> | -0.4584416 | 2.40E-18 | 4.06E-14 |
| <i>CCDC152</i> | -0.4584519 | 2.40E-18 | 4.06E-14 |
| <i>LEPROT</i> | -0.4586092 | 2.33E-18 | 3.94E-14 |
| <i>PAMR1</i> | -0.4588026 | 2.24E-18 | 3.80E-14 |
| <i>RHOC</i> | -0.458832 | 2.23E-18 | 3.77E-14 |
| <i>SYN2</i> | -0.4589065 | 2.20E-18 | 3.72E-14 |
| <i>C18orf34</i> | -0.4589599 | 2.18E-18 | 3.68E-14 |
| <i>ANO2</i> | -0.4590325 | 2.15E-18 | 3.63E-14 |
| <i>TRPM4</i> | -0.4590559 | 2.14E-18 | 3.62E-14 |
| <i>CYBRD1</i> | -0.4590607 | 2.14E-18 | 3.62E-14 |
| <i>MGC42105</i> | -0.459124 | 2.11E-18 | 3.57E-14 |
| <i>LINGO4</i> | -0.4592438 | 2.06E-18 | 3.49E-14 |
| <i>C7</i> | -0.4592533 | 2.06E-18 | 3.49E-14 |
| <i>PPM1D</i> | -0.4592852 | 2.05E-18 | 3.47E-14 |
| <i>CHST2</i> | -0.45938 | 2.01E-18 | 3.40E-14 |
| <i>TBX1</i> | -0.4594208 | 1.99E-18 | 3.38E-14 |
| <i>ANKRD35</i> | -0.4597596 | 1.87E-18 | 3.17E-14 |
| <i>RABEP1</i> | -0.459839 | 1.84E-18 | 3.12E-14 |
| <i>ADAMTS1</i> | -0.4599887 | 1.79E-18 | 3.03E-14 |
| <i>HIPK1</i> | -0.4600496 | 1.77E-18 | 3.00E-14 |
| <i>EVL</i> | -0.4600733 | 1.76E-18 | 2.98E-14 |
| <i>TLN2</i> | -0.4601243 | 1.74E-18 | 2.96E-14 |

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| <i>KCTD12</i> | -0.4603144 | 1.68E-18 | 2.85E-14 |
| <i>UGT1A8</i> | -0.4606661 | 1.57E-18 | 2.67E-14 |
| <i>GPR146</i> | -0.4606907 | 1.56E-18 | 2.65E-14 |
| <i>C5orf40</i> | -0.4608941 | 1.50E-18 | 2.55E-14 |
| <i>CATSPERG</i> | -0.4608955 | 1.50E-18 | 2.55E-14 |
| <i>ZNF229</i> | -0.4609707 | 1.48E-18 | 2.52E-14 |
| <i>DCAF12L1</i> | -0.4609724 | 1.48E-18 | 2.51E-14 |
| <i>FLNC</i> | -0.4610145 | 1.47E-18 | 2.49E-14 |
| <i>HOXD4</i> | -0.4610778 | 1.45E-18 | 2.46E-14 |
| <i>SGCA</i> | -0.4611393 | 1.44E-18 | 2.44E-14 |
| <i>MGAM</i> | -0.4613118 | 1.39E-18 | 2.36E-14 |
| <i>CNRIP1</i> | -0.4613429 | 1.38E-18 | 2.34E-14 |
| <i>SLC1A2</i> | -0.4615128 | 1.34E-18 | 2.27E-14 |
| <i>TBC1D10C</i> | -0.4615278 | 1.33E-18 | 2.26E-14 |
| <i>ZFYVE26</i> | -0.4615845 | 1.32E-18 | 2.24E-14 |
| <i>RAB5B</i> | -0.4615954 | 1.31E-18 | 2.23E-14 |
| <i>NAPSB</i> | -0.4615957 | 1.31E-18 | 2.23E-14 |
| <i>ACSBG1</i> | -0.4615966 | 1.31E-18 | 2.23E-14 |
| <i>KRT27</i> | -0.4617855 | 1.27E-18 | 2.15E-14 |
| <i>AOC3</i> | -0.4617991 | 1.26E-18 | 2.15E-14 |
| <i>NBEA</i> | -0.4618166 | 1.26E-18 | 2.14E-14 |
| <i>TANC2</i> | -0.4621913 | 1.17E-18 | 1.99E-14 |
| <i>SV2B</i> | -0.4622674 | 1.16E-18 | 1.96E-14 |
| <i>GPR119</i> | -0.4623514 | 1.14E-18 | 1.93E-14 |
| <i>MS4A7</i> | -0.4623985 | 1.13E-18 | 1.92E-14 |
| <i>RHOH</i> | -0.4624961 | 1.11E-18 | 1.88E-14 |
| <i>CD163</i> | -0.4624967 | 1.11E-18 | 1.88E-14 |
| <i>SLC18A3</i> | -0.4625352 | 1.10E-18 | 1.87E-14 |
| <i>CECR1</i> | -0.4625558 | 1.09E-18 | 1.86E-14 |
| <i>SAMD9L</i> | -0.4625825 | 1.09E-18 | 1.85E-14 |
| <i>PPP2R2B</i> | -0.4626112 | 1.08E-18 | 1.84E-14 |
| <i>GPM6A</i> | -0.4626755 | 1.07E-18 | 1.82E-14 |
| <i>TSPAN3</i> | -0.4627427 | 1.05E-18 | 1.79E-14 |
| <i>HRASLS2</i> | -0.4627905 | 1.04E-18 | 1.78E-14 |
| <i>EDN2</i> | -0.4628755 | 1.03E-18 | 1.75E-14 |
| <i>SYNPO2</i> | -0.4632118 | 9.63E-19 | 1.64E-14 |
| <i>SCN3B</i> | -0.4632168 | 9.62E-19 | 1.64E-14 |
| <i>IGSF3</i> | -0.4632425 | 9.57E-19 | 1.63E-14 |
| <i>EHD1</i> | -0.4633898 | 9.30E-19 | 1.58E-14 |
| <i>GRIA4</i> | -0.4634141 | 9.26E-19 | 1.58E-14 |
| <i>WSCD2</i> | -0.4636159 | 8.91E-19 | 1.52E-14 |
| <i>ADRB3</i> | -0.4636567 | 8.84E-19 | 1.50E-14 |
| <i>DCLK2</i> | -0.4636732 | 8.81E-19 | 1.50E-14 |
| <i>IMPA2</i> | -0.4636936 | 8.77E-19 | 1.49E-14 |
| <i>SALL2</i> | -0.463695 | 8.77E-19 | 1.49E-14 |
| <i>HEPN1</i> | -0.463715 | 8.74E-19 | 1.49E-14 |
| <i>SPOCK2</i> | -0.4637472 | 8.68E-19 | 1.48E-14 |
| <i>OR2W3</i> | -0.463775 | 8.64E-19 | 1.47E-14 |
| <i>FYB</i> | -0.4637969 | 8.60E-19 | 1.46E-14 |
| <i>ZBTB7A</i> | -0.4638897 | 8.45E-19 | 1.44E-14 |
| <i>ARMC7</i> | -0.4638907 | 8.45E-19 | 1.44E-14 |

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| <i>CYB561D1</i> | -0.4638914 | 8.44E-19 | 1.44E-14 |
| <i>RAB42</i> | -0.4641208 | 8.08E-19 | 1.38E-14 |
| <i>COL29A1</i> | -0.4642681 | 7.85E-19 | 1.34E-14 |
| <i>NIT1</i> | -0.4642885 | 7.82E-19 | 1.33E-14 |
| <i>CNR2</i> | -0.4643225 | 7.77E-19 | 1.32E-14 |
| <i>CBLN2</i> | -0.464386 | 7.67E-19 | 1.31E-14 |
| <i>SLC13A1</i> | -0.4644141 | 7.63E-19 | 1.30E-14 |
| <i>COL23A1</i> | -0.4644279 | 7.61E-19 | 1.30E-14 |
| <i>CYTIP</i> | -0.4644842 | 7.53E-19 | 1.28E-14 |
| <i>P2RY13</i> | -0.4644877 | 7.52E-19 | 1.28E-14 |
| <i>RBP5</i> | -0.464582 | 7.39E-19 | 1.26E-14 |
| <i>NCR1</i> | -0.4645874 | 7.38E-19 | 1.26E-14 |
| <i>FAM21C</i> | -0.4647241 | 7.19E-19 | 1.23E-14 |
| <i>UGT1A5</i> | -0.4647951 | 7.09E-19 | 1.21E-14 |
| <i>DENND3</i> | -0.4648041 | 7.07E-19 | 1.21E-14 |
| <i>LGALS4</i> | -0.4648185 | 7.06E-19 | 1.20E-14 |
| <i>RYR1</i> | -0.4648434 | 7.02E-19 | 1.20E-14 |
| <i>ZBTB22</i> | -0.4649074 | 6.93E-19 | 1.18E-14 |
| <i>RNF144A</i> | -0.4649336 | 6.90E-19 | 1.18E-14 |
| <i>TPSG1</i> | -0.464974 | 6.85E-19 | 1.17E-14 |
| <i>NDRG2</i> | -0.4650106 | 6.80E-19 | 1.16E-14 |
| <i>SERINC1</i> | -0.4650178 | 6.79E-19 | 1.16E-14 |
| <i>PIK3R6</i> | -0.4650249 | 6.78E-19 | 1.16E-14 |
| <i>ARHGAP31</i> | -0.4651046 | 6.67E-19 | 1.14E-14 |
| <i>PHLDB1</i> | -0.4652648 | 6.47E-19 | 1.10E-14 |
| <i>TECPR2</i> | -0.4652784 | 6.45E-19 | 1.10E-14 |
| <i>GABARAPL1</i> | -0.4653781 | 6.33E-19 | 1.08E-14 |
| <i>CHRM4</i> | -0.465411 | 6.29E-19 | 1.07E-14 |
| <i>HBA1</i> | -0.4654668 | 6.22E-19 | 1.06E-14 |
| <i>VNN2</i> | -0.4658278 | 5.80E-19 | 9.91E-15 |
| <i>GUCA2A</i> | -0.4658375 | 5.79E-19 | 9.89E-15 |
| <i>TAX1BP3</i> | -0.4658669 | 5.75E-19 | 9.83E-15 |
| <i>ZNF540</i> | -0.4658743 | 5.75E-19 | 9.82E-15 |
| <i>LIPH</i> | -0.4659415 | 5.67E-19 | 9.69E-15 |
| <i>MYH11</i> | -0.4659459 | 5.67E-19 | 9.69E-15 |
| <i>NADK</i> | -0.4660606 | 5.54E-19 | 9.47E-15 |
| <i>ZEB2</i> | -0.4660737 | 5.53E-19 | 9.45E-15 |
| <i>CHMP7</i> | -0.4661641 | 5.43E-19 | 9.29E-15 |
| <i>SH2B3</i> | -0.4662582 | 5.33E-19 | 9.12E-15 |
| <i>UGT1A7</i> | -0.4662827 | 5.31E-19 | 9.08E-15 |
| <i>SLAMF1</i> | -0.466344 | 5.24E-19 | 8.97E-15 |
| <i>RELN</i> | -0.466454 | 5.13E-19 | 8.78E-15 |
| <i>THEMIS</i> | -0.4665504 | 5.04E-19 | 8.62E-15 |
| <i>STAT4</i> | -0.466722 | 4.87E-19 | 8.33E-15 |
| <i>TIFAB</i> | -0.4667627 | 4.83E-19 | 8.27E-15 |
| <i>SLA2</i> | -0.4668288 | 4.77E-19 | 8.16E-15 |
| <i>NAALADL1</i> | -0.4669502 | 4.66E-19 | 7.97E-15 |
| <i>LOC1002332</i> | -0.4669538 | 4.65E-19 | 7.97E-15 |
| <i>BAI1</i> | -0.4670248 | 4.59E-19 | 7.86E-15 |
| <i>ATP2B4</i> | -0.4670845 | 4.54E-19 | 7.77E-15 |
| <i>C1orf226</i> | -0.4670985 | 4.52E-19 | 7.75E-15 |

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| <i>RNF103</i> | -0.4671441 | 4.48E-19 | 7.68E-15 |
| <i>SEMA6A</i> | -0.4671604 | 4.47E-19 | 7.65E-15 |
| <i>CX3CR1</i> | -0.4672842 | 4.36E-19 | 7.47E-15 |
| <i>TBC1D9</i> | -0.4673694 | 4.29E-19 | 7.35E-15 |
| <i>MPPED1</i> | -0.4674269 | 4.24E-19 | 7.27E-15 |
| <i>LMOD1</i> | -0.4674973 | 4.18E-19 | 7.17E-15 |
| <i>UAP1</i> | -0.4675041 | 4.18E-19 | 7.16E-15 |
| <i>DLG2</i> | -0.4675081 | 4.17E-19 | 7.15E-15 |
| <i>DHRS11</i> | -0.4675736 | 4.12E-19 | 7.06E-15 |
| <i>MON2</i> | -0.4675742 | 4.12E-19 | 7.06E-15 |
| <i>PLEKHM2</i> | -0.4675896 | 4.11E-19 | 7.04E-15 |
| <i>MAPK4</i> | -0.4675992 | 4.10E-19 | 7.03E-15 |
| <i>ITGA3</i> | -0.4676007 | 4.10E-19 | 7.03E-15 |
| <i>NACAD</i> | -0.4676159 | 4.09E-19 | 7.01E-15 |
| <i>FCER1A</i> | -0.4676305 | 4.08E-19 | 6.99E-15 |
| <i>NEURL</i> | -0.4676676 | 4.05E-19 | 6.94E-15 |
| <i>TAOK2</i> | -0.4676809 | 4.04E-19 | 6.92E-15 |
| <i>APOL6</i> | -0.4677409 | 3.99E-19 | 6.84E-15 |
| <i>SNX29</i> | -0.4678038 | 3.94E-19 | 6.76E-15 |
| <i>PTCHD1</i> | -0.4678583 | 3.90E-19 | 6.69E-15 |
| <i>WDR81</i> | -0.4679596 | 3.82E-19 | 6.55E-15 |
| <i>NPAS3</i> | -0.4680364 | 3.76E-19 | 6.46E-15 |
| <i>LDB3</i> | -0.4680467 | 3.76E-19 | 6.44E-15 |
| <i>EFHC2</i> | -0.4681311 | 3.69E-19 | 6.34E-15 |
| <i>CD247</i> | -0.468326 | 3.56E-19 | 6.10E-15 |
| <i>AMN</i> | -0.4683464 | 3.54E-19 | 6.08E-15 |
| <i>PTAFR</i> | -0.468476 | 3.45E-19 | 5.92E-15 |
| <i>SLC23A3</i> | -0.4685001 | 3.44E-19 | 5.90E-15 |
| <i>RBPM2</i> | -0.4685135 | 3.43E-19 | 5.88E-15 |
| <i>NPTN</i> | -0.4686048 | 3.37E-19 | 5.78E-15 |
| <i>MGAT4A</i> | -0.4686426 | 3.34E-19 | 5.74E-15 |
| <i>LOC401093</i> | -0.4688636 | 3.20E-19 | 5.49E-15 |
| <i>WDR1</i> | -0.4689137 | 3.17E-19 | 5.44E-15 |
| <i>LRRC1</i> | -0.4689441 | 3.15E-19 | 5.41E-15 |
| <i>ABR</i> | -0.4689516 | 3.14E-19 | 5.40E-15 |
| <i>CHRFAM7A</i> | -0.468969 | 3.13E-19 | 5.38E-15 |
| <i>RAB4B</i> | -0.4689929 | 3.12E-19 | 5.36E-15 |
| <i>BDKRB1</i> | -0.4690566 | 3.08E-19 | 5.29E-15 |
| <i>NAT15</i> | -0.4691162 | 3.04E-19 | 5.23E-15 |
| <i>TRIOBP</i> | -0.4691728 | 3.01E-19 | 5.17E-15 |
| <i>VSIG4</i> | -0.4694494 | 2.85E-19 | 4.90E-15 |
| <i>SEZ6</i> | -0.4694793 | 2.83E-19 | 4.87E-15 |
| <i>PDE8A</i> | -0.469484 | 2.83E-19 | 4.86E-15 |
| <i>LCN6</i> | -0.4694987 | 2.82E-19 | 4.85E-15 |
| <i>SLC25A20</i> | -0.4694993 | 2.82E-19 | 4.85E-15 |
| <i>PREX2</i> | -0.4696137 | 2.76E-19 | 4.74E-15 |
| <i>SNX33</i> | -0.4696187 | 2.76E-19 | 4.74E-15 |
| <i>ZNF366</i> | -0.4696562 | 2.74E-19 | 4.70E-15 |
| <i>HBA2</i> | -0.4697172 | 2.70E-19 | 4.65E-15 |
| <i>C1QB</i> | -0.4697715 | 2.68E-19 | 4.60E-15 |
| <i>SYT4</i> | -0.4698478 | 2.64E-19 | 4.53E-15 |

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| <i>ZNF592</i> | -0.4698546 | 2.63E-19 | 4.52E-15 |
| <i>GRAP2</i> | -0.469863 | 2.63E-19 | 4.52E-15 |
| <i>PLXNB2</i> | -0.4699495 | 2.58E-19 | 4.44E-15 |
| <i>LCN10</i> | -0.4700333 | 2.54E-19 | 4.37E-15 |
| <i>GBA</i> | -0.4700507 | 2.53E-19 | 4.35E-15 |
| <i>PCDH1</i> | -0.4701131 | 2.50E-19 | 4.30E-15 |
| <i>KCNK2</i> | -0.4702751 | 2.42E-19 | 4.17E-15 |
| <i>CLIP4</i> | -0.4702926 | 2.41E-19 | 4.15E-15 |
| <i>SPINT1</i> | -0.4704234 | 2.35E-19 | 4.05E-15 |
| <i>LRRC66</i> | -0.4705156 | 2.31E-19 | 3.97E-15 |
| <i>GDF1</i> | -0.4705664 | 2.29E-19 | 3.93E-15 |
| <i>ERBB4</i> | -0.4705805 | 2.28E-19 | 3.92E-15 |
| <i>CYP11A1</i> | -0.4706323 | 2.26E-19 | 3.88E-15 |
| <i>CMAH</i> | -0.4706444 | 2.25E-19 | 3.87E-15 |
| <i>RAP1A</i> | -0.4706879 | 2.23E-19 | 3.84E-15 |
| <i>GPR162</i> | -0.4709568 | 2.12E-19 | 3.64E-15 |
| <i>LRRC55</i> | -0.4709606 | 2.11E-19 | 3.64E-15 |
| <i>LYL1</i> | -0.4709659 | 2.11E-19 | 3.64E-15 |
| <i>NLGN3</i> | -0.4709829 | 2.11E-19 | 3.62E-15 |
| <i>PBXIP1</i> | -0.4709836 | 2.10E-19 | 3.62E-15 |
| <i>TMEM108</i> | -0.4710996 | 2.06E-19 | 3.54E-15 |
| <i>SERINC2</i> | -0.4711043 | 2.06E-19 | 3.54E-15 |
| <i>PNPLA2</i> | -0.4711109 | 2.05E-19 | 3.53E-15 |
| <i>SYTL3</i> | -0.471158 | 2.03E-19 | 3.50E-15 |
| <i>CHMP6</i> | -0.4713329 | 1.96E-19 | 3.38E-15 |
| <i>OPTN</i> | -0.4714155 | 1.93E-19 | 3.33E-15 |
| <i>TACR1</i> | -0.4714737 | 1.91E-19 | 3.29E-15 |
| <i>MT1DP</i> | -0.4715353 | 1.89E-19 | 3.25E-15 |
| <i>FAM22D</i> | -0.4715528 | 1.88E-19 | 3.24E-15 |
| <i>RNF150</i> | -0.4716219 | 1.85E-19 | 3.20E-15 |
| <i>PIK3C2G</i> | -0.4717643 | 1.80E-19 | 3.11E-15 |
| <i>FMNL1</i> | -0.4717991 | 1.79E-19 | 3.09E-15 |
| <i>APLP1</i> | -0.4718003 | 1.79E-19 | 3.09E-15 |
| <i>MRC1</i> | -0.4718303 | 1.78E-19 | 3.07E-15 |
| <i>NR1H2</i> | -0.4718366 | 1.78E-19 | 3.06E-15 |
| <i>CLIC5</i> | -0.472007 | 1.72E-19 | 2.96E-15 |
| <i>SLC31A2</i> | -0.4720864 | 1.69E-19 | 2.92E-15 |
| <i>TRAM2</i> | -0.4721201 | 1.68E-19 | 2.90E-15 |
| <i>NLGN4X</i> | -0.4722448 | 1.64E-19 | 2.83E-15 |
| <i>GP1BA</i> | -0.4722854 | 1.63E-19 | 2.80E-15 |
| <i>SEPP1</i> | -0.472391 | 1.59E-19 | 2.75E-15 |
| <i>KLF3</i> | -0.4724459 | 1.57E-19 | 2.72E-15 |
| <i>UST</i> | -0.4725156 | 1.55E-19 | 2.68E-15 |
| <i>LRRK1</i> | -0.4725611 | 1.54E-19 | 2.65E-15 |
| <i>ARHGAP15</i> | -0.472638 | 1.52E-19 | 2.61E-15 |
| <i>CBX6</i> | -0.4727496 | 1.48E-19 | 2.56E-15 |
| <i>SCG3</i> | -0.4727715 | 1.48E-19 | 2.55E-15 |
| <i>FAM65B</i> | -0.4728915 | 1.44E-19 | 2.49E-15 |
| <i>MYO1G</i> | -0.4728971 | 1.44E-19 | 2.48E-15 |
| <i>GPIHBP1</i> | -0.4732071 | 1.35E-19 | 2.34E-15 |
| <i>MALL</i> | -0.473313 | 1.32E-19 | 2.29E-15 |

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| <i>MAPK10</i> | -0.4733626 | 1.31E-19 | 2.26E-15 |
| <i>SNPH</i> | -0.4733674 | 1.31E-19 | 2.26E-15 |
| <i>PSAP</i> | -0.4733704 | 1.31E-19 | 2.26E-15 |
| <i>MAST4</i> | -0.4734785 | 1.28E-19 | 2.21E-15 |
| <i>FAIM3</i> | -0.473582 | 1.26E-19 | 2.17E-15 |
| <i>ADAMTSL3</i> | -0.473917 | 1.17E-19 | 2.03E-15 |
| <i>DPT</i> | -0.4739458 | 1.17E-19 | 2.02E-15 |
| <i>LAG3</i> | -0.4740243 | 1.15E-19 | 1.99E-15 |
| <i>KLRF1</i> | -0.4740604 | 1.14E-19 | 1.97E-15 |
| <i>C6orf201</i> | -0.4741964 | 1.11E-19 | 1.92E-15 |
| <i>KIAA2018</i> | -0.4742699 | 1.09E-19 | 1.89E-15 |
| <i>USP19</i> | -0.4742828 | 1.09E-19 | 1.89E-15 |
| <i>CAV3</i> | -0.4743067 | 1.09E-19 | 1.88E-15 |
| <i>CD48</i> | -0.4743749 | 1.07E-19 | 1.85E-15 |
| <i>MB</i> | -0.4744989 | 1.04E-19 | 1.81E-15 |
| <i>SHOC2</i> | -0.4745108 | 1.04E-19 | 1.80E-15 |
| <i>MBOAT4</i> | -0.4745763 | 1.03E-19 | 1.78E-15 |
| <i>DOK2</i> | -0.4745858 | 1.03E-19 | 1.78E-15 |
| <i>HEPACAM2</i> | -0.474587 | 1.03E-19 | 1.78E-15 |
| <i>RAB30</i> | -0.4747698 | 9.89E-20 | 1.71E-15 |
| <i>DNAJB4</i> | -0.4747704 | 9.89E-20 | 1.71E-15 |
| <i>OGN</i> | -0.4748736 | 9.69E-20 | 1.68E-15 |
| <i>FAM160B2</i> | -0.4748992 | 9.64E-20 | 1.67E-15 |
| <i>SCARB2</i> | -0.4749462 | 9.55E-20 | 1.65E-15 |
| <i>TRAT1</i> | -0.4749743 | 9.50E-20 | 1.64E-15 |
| <i>TMEM179</i> | -0.4749919 | 9.46E-20 | 1.64E-15 |
| <i>UBASH3A</i> | -0.4749974 | 9.45E-20 | 1.64E-15 |
| <i>ANO7</i> | -0.4750338 | 9.38E-20 | 1.62E-15 |
| <i>RBM20</i> | -0.4750952 | 9.27E-20 | 1.60E-15 |
| <i>CACNA1A</i> | -0.4751044 | 9.25E-20 | 1.60E-15 |
| <i>LPIN2</i> | -0.4751049 | 9.25E-20 | 1.60E-15 |
| <i>PTX3</i> | -0.4752178 | 9.04E-20 | 1.57E-15 |
| <i>MYO5A</i> | -0.4753103 | 8.88E-20 | 1.54E-15 |
| <i>2-Mar</i> | -0.4753491 | 8.81E-20 | 1.53E-15 |
| <i>KCNK6</i> | -0.4754481 | 8.63E-20 | 1.50E-15 |
| <i>CA4</i> | -0.4754512 | 8.63E-20 | 1.49E-15 |
| <i>TLE3</i> | -0.4754634 | 8.61E-20 | 1.49E-15 |
| <i>HMX3</i> | -0.4754867 | 8.57E-20 | 1.48E-15 |
| <i>CLPTM1</i> | -0.475509 | 8.53E-20 | 1.48E-15 |
| <i>CXorf21</i> | -0.4756634 | 8.27E-20 | 1.43E-15 |
| <i>RAB1B</i> | -0.4756904 | 8.22E-20 | 1.43E-15 |
| <i>CPNE8</i> | -0.4756905 | 8.22E-20 | 1.43E-15 |
| <i>C3orf70</i> | -0.4757456 | 8.13E-20 | 1.41E-15 |
| <i>FNBP1</i> | -0.4757804 | 8.08E-20 | 1.40E-15 |
| <i>ZC3HAV1</i> | -0.4758016 | 8.04E-20 | 1.39E-15 |
| <i>HK2</i> | -0.4759868 | 7.75E-20 | 1.34E-15 |
| <i>SLC2A5</i> | -0.4760539 | 7.64E-20 | 1.33E-15 |
| <i>FCRL3</i> | -0.4760661 | 7.62E-20 | 1.32E-15 |
| <i>KIR3DL2</i> | -0.4760814 | 7.60E-20 | 1.32E-15 |
| <i>FAM126B</i> | -0.4761503 | 7.50E-20 | 1.30E-15 |
| <i>KCNE2</i> | -0.4764719 | 7.02E-20 | 1.22E-15 |

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| <i>DARC</i> | -0.4766132 | 6.83E-20 | 1.18E-15 |
| <i>TLR5</i> | -0.4766604 | 6.76E-20 | 1.17E-15 |
| <i>XCR1</i> | -0.4767212 | 6.68E-20 | 1.16E-15 |
| <i>STMN2</i> | -0.4767724 | 6.61E-20 | 1.15E-15 |
| <i>EHHADH</i> | -0.4767866 | 6.59E-20 | 1.14E-15 |
| <i>XCL2</i> | -0.4768005 | 6.57E-20 | 1.14E-15 |
| <i>CLN8</i> | -0.4768768 | 6.47E-20 | 1.12E-15 |
| <i>FRMPD4</i> | -0.4769115 | 6.43E-20 | 1.12E-15 |
| <i>EFNA5</i> | -0.4769255 | 6.41E-20 | 1.11E-15 |
| <i>TBX21</i> | -0.4770841 | 6.21E-20 | 1.08E-15 |
| <i>NFATC1</i> | -0.4771923 | 6.07E-20 | 1.05E-15 |
| <i>C20orf200</i> | -0.4772121 | 6.05E-20 | 1.05E-15 |
| <i>SNAI3</i> | -0.4772933 | 5.95E-20 | 1.03E-15 |
| <i>PHLPP1</i> | -0.47731 | 5.93E-20 | 1.03E-15 |
| <i>MS4A2</i> | -0.4774164 | 5.80E-20 | 1.01E-15 |
| <i>ARHGEF11</i> | -0.4774671 | 5.74E-20 | 9.98E-16 |
| <i>PDLIM5</i> | -0.4775145 | 5.69E-20 | 9.89E-16 |
| <i>MUC4</i> | -0.477523 | 5.68E-20 | 9.87E-16 |
| <i>PKD1L2</i> | -0.4776921 | 5.49E-20 | 9.54E-16 |
| <i>KIF19</i> | -0.4777635 | 5.41E-20 | 9.41E-16 |
| <i>NUCB1</i> | -0.4777658 | 5.41E-20 | 9.40E-16 |
| <i>SNX1</i> | -0.4779119 | 5.25E-20 | 9.13E-16 |
| <i>TPCN1</i> | -0.4779966 | 5.16E-20 | 8.97E-16 |
| <i>G6PC</i> | -0.4779986 | 5.16E-20 | 8.97E-16 |
| <i>GTPBP1</i> | -0.4784518 | 4.71E-20 | 8.19E-16 |
| <i>UNC80</i> | -0.4784933 | 4.67E-20 | 8.12E-16 |
| <i>DPYSL5</i> | -0.4785303 | 4.63E-20 | 8.06E-16 |
| <i>AQP8</i> | -0.4787173 | 4.46E-20 | 7.76E-16 |
| <i>APOBEC3D</i> | -0.4789335 | 4.27E-20 | 7.43E-16 |
| <i>CORO2B</i> | -0.4789738 | 4.23E-20 | 7.37E-16 |
| <i>SEMA3B</i> | -0.4790436 | 4.17E-20 | 7.26E-16 |
| <i>SLC6A16</i> | -0.47916 | 4.07E-20 | 7.09E-16 |
| <i>CTNNA3</i> | -0.479179 | 4.06E-20 | 7.07E-16 |
| <i>CASD1</i> | -0.479274 | 3.98E-20 | 6.93E-16 |
| <i>LOC572558</i> | -0.4793349 | 3.93E-20 | 6.85E-16 |
| <i>S1PR4</i> | -0.4795783 | 3.74E-20 | 6.52E-16 |
| <i>NCR2</i> | -0.4796153 | 3.71E-20 | 6.47E-16 |
| <i>LHX4</i> | -0.479718 | 3.64E-20 | 6.33E-16 |
| <i>CD4</i> | -0.4800063 | 3.43E-20 | 5.97E-16 |
| <i>ASPG</i> | -0.4800092 | 3.43E-20 | 5.97E-16 |
| <i>KIAA0430</i> | -0.4801768 | 3.31E-20 | 5.77E-16 |
| <i>PSD3</i> | -0.4801959 | 3.30E-20 | 5.75E-16 |
| <i>SLC37A2</i> | -0.4802296 | 3.28E-20 | 5.71E-16 |
| <i>IRF2</i> | -0.4802384 | 3.27E-20 | 5.70E-16 |
| <i>PGR</i> | -0.4803975 | 3.17E-20 | 5.52E-16 |
| <i>TM6SF2</i> | -0.4804999 | 3.10E-20 | 5.40E-16 |
| <i>HCST</i> | -0.4805034 | 3.10E-20 | 5.40E-16 |
| <i>WDR78</i> | -0.4805747 | 3.05E-20 | 5.32E-16 |
| <i>INCA1</i> | -0.4806553 | 3.00E-20 | 5.24E-16 |
| <i>TNFRSF11A</i> | -0.4806579 | 3.00E-20 | 5.24E-16 |
| <i>IGSF10</i> | -0.4806971 | 2.98E-20 | 5.19E-16 |

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| <i>GREM2</i> | -0.4807097 | 2.97E-20 | 5.18E-16 |
| <i>HEXIM1</i> | -0.4808186 | 2.90E-20 | 5.07E-16 |
| <i>NBLA00301</i> | -0.4811083 | 2.74E-20 | 4.78E-16 |
| <i>CDKN1A</i> | -0.4812491 | 2.66E-20 | 4.64E-16 |
| <i>CBFA2T3</i> | -0.4812911 | 2.64E-20 | 4.60E-16 |
| <i>ATP2B2</i> | -0.4813218 | 2.62E-20 | 4.57E-16 |
| <i>SMPD3</i> | -0.4813471 | 2.61E-20 | 4.55E-16 |
| <i>ATP8B2</i> | -0.4813579 | 2.60E-20 | 4.54E-16 |
| <i>SLC35D1</i> | -0.4814424 | 2.56E-20 | 4.46E-16 |
| <i>BEX1</i> | -0.4818034 | 2.37E-20 | 4.15E-16 |
| <i>EMP1</i> | -0.4818238 | 2.36E-20 | 4.13E-16 |
| <i>CANT1</i> | -0.4818405 | 2.36E-20 | 4.12E-16 |
| <i>ABHD4</i> | -0.4819272 | 2.31E-20 | 4.04E-16 |
| <i>MAOB</i> | -0.4819554 | 2.30E-20 | 4.02E-16 |
| <i>SCP2</i> | -0.4820168 | 2.27E-20 | 3.97E-16 |
| <i>GAP43</i> | -0.4820426 | 2.26E-20 | 3.95E-16 |
| <i>AP2A2</i> | -0.4821513 | 2.21E-20 | 3.86E-16 |
| <i>HVCN1</i> | -0.4822056 | 2.19E-20 | 3.82E-16 |
| <i>GIMAP4</i> | -0.4824986 | 2.06E-20 | 3.60E-16 |
| <i>CNST</i> | -0.4825015 | 2.06E-20 | 3.59E-16 |
| <i>ENHO</i> | -0.482505 | 2.05E-20 | 3.59E-16 |
| <i>LOC1001446</i> | -0.4825139 | 2.05E-20 | 3.59E-16 |
| <i>SH3BP5L</i> | -0.4825266 | 2.05E-20 | 3.58E-16 |
| <i>CDH23</i> | -0.4825556 | 2.03E-20 | 3.56E-16 |
| <i>CCL8</i> | -0.4826317 | 2.00E-20 | 3.50E-16 |
| <i>MT1G</i> | -0.4827304 | 1.96E-20 | 3.43E-16 |
| <i>RHOG</i> | -0.4827808 | 1.94E-20 | 3.40E-16 |
| <i>SLC17A4</i> | -0.4829606 | 1.87E-20 | 3.27E-16 |
| <i>MIRGPRE</i> | -0.483018 | 1.85E-20 | 3.23E-16 |
| <i>GRIK5</i> | -0.4830351 | 1.84E-20 | 3.22E-16 |
| <i>TNFSF13</i> | -0.4830571 | 1.83E-20 | 3.21E-16 |
| <i>BIN2</i> | -0.4830673 | 1.83E-20 | 3.20E-16 |
| <i>PLD5</i> | -0.4831618 | 1.79E-20 | 3.14E-16 |
| <i>LMO2</i> | -0.4832836 | 1.75E-20 | 3.06E-16 |
| <i>CHD3</i> | -0.4832854 | 1.75E-20 | 3.06E-16 |
| <i>BTG1</i> | -0.4832886 | 1.75E-20 | 3.06E-16 |
| <i>ANKRD53</i> | -0.4833566 | 1.72E-20 | 3.02E-16 |
| <i>ZFP106</i> | -0.4834925 | 1.68E-20 | 2.93E-16 |
| <i>GOLM1</i> | -0.4835689 | 1.65E-20 | 2.89E-16 |
| <i>PABPC1L2B</i> | -0.4835927 | 1.64E-20 | 2.87E-16 |
| <i>KCTD4</i> | -0.4836126 | 1.64E-20 | 2.86E-16 |
| <i>FAM129B</i> | -0.483728 | 1.60E-20 | 2.80E-16 |
| <i>SMAP2</i> | -0.4838593 | 1.55E-20 | 2.72E-16 |
| <i>ALAD</i> | -0.4839399 | 1.53E-20 | 2.68E-16 |
| <i>CYP26B1</i> | -0.4839632 | 1.52E-20 | 2.66E-16 |
| <i>FAM53B</i> | -0.483968 | 1.52E-20 | 2.66E-16 |
| <i>CD22</i> | -0.483993 | 1.51E-20 | 2.65E-16 |
| <i>GFOD1</i> | -0.4841188 | 1.47E-20 | 2.58E-16 |
| <i>FAS</i> | -0.4842142 | 1.44E-20 | 2.53E-16 |
| <i>BTK</i> | -0.4842726 | 1.43E-20 | 2.50E-16 |
| <i>NRSN1</i> | -0.4843382 | 1.41E-20 | 2.47E-16 |

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| <i>MXI1</i> | -0.4843724 | 1.40E-20 | 2.45E-16 |
| <i>HBB</i> | -0.4846903 | 1.31E-20 | 2.29E-16 |
| <i>EPHA10</i> | -0.4847233 | 1.30E-20 | 2.28E-16 |
| <i>MBNL1</i> | -0.484794 | 1.28E-20 | 2.25E-16 |
| <i>TRIM40</i> | -0.484811 | 1.28E-20 | 2.24E-16 |
| <i>MYO1E</i> | -0.4848871 | 1.26E-20 | 2.20E-16 |
| <i>CCPG1</i> | -0.485117 | 1.20E-20 | 2.10E-16 |
| <i>CHST8</i> | -0.4851233 | 1.20E-20 | 2.10E-16 |
| <i>XKR8</i> | -0.4853903 | 1.13E-20 | 1.99E-16 |
| <i>RASSF5</i> | -0.4854811 | 1.11E-20 | 1.95E-16 |
| <i>SPN</i> | -0.4854995 | 1.11E-20 | 1.94E-16 |
| <i>INA</i> | -0.4855087 | 1.10E-20 | 1.94E-16 |
| <i>ARHGEF12</i> | -0.4855603 | 1.09E-20 | 1.92E-16 |
| <i>MGC29506</i> | -0.4856817 | 1.06E-20 | 1.87E-16 |
| <i>KIF1A</i> | -0.4858651 | 1.03E-20 | 1.80E-16 |
| <i>PRRG3</i> | -0.4859107 | 1.02E-20 | 1.78E-16 |
| <i>SPDEF</i> | -0.485926 | 1.01E-20 | 1.78E-16 |
| <i>RRAGC</i> | -0.4860129 | 9.94E-21 | 1.75E-16 |
| <i>C16orf62</i> | -0.4860245 | 9.92E-21 | 1.74E-16 |
| <i>MCHR2</i> | -0.4861677 | 9.63E-21 | 1.69E-16 |
| <i>ATP13A4</i> | -0.4861803 | 9.60E-21 | 1.69E-16 |
| <i>SH3BP1</i> | -0.4861868 | 9.59E-21 | 1.68E-16 |
| <i>CEND1</i> | -0.4863225 | 9.32E-21 | 1.64E-16 |
| <i>C20orf194</i> | -0.4863605 | 9.25E-21 | 1.62E-16 |
| <i>GALNTL2</i> | -0.4863625 | 9.24E-21 | 1.62E-16 |
| <i>MBNL3</i> | -0.4864538 | 9.07E-21 | 1.59E-16 |
| <i>GMPPB</i> | -0.4864548 | 9.07E-21 | 1.59E-16 |
| <i>CXXC1</i> | -0.4864692 | 9.04E-21 | 1.59E-16 |
| <i>ZG16</i> | -0.4865018 | 8.98E-21 | 1.58E-16 |
| <i>ZNF397OS</i> | -0.4865155 | 8.95E-21 | 1.57E-16 |
| <i>MAF</i> | -0.4865851 | 8.82E-21 | 1.55E-16 |
| <i>CLECL1</i> | -0.4866713 | 8.67E-21 | 1.52E-16 |
| <i>CD7</i> | -0.4866842 | 8.64E-21 | 1.52E-16 |
| <i>1-Sep</i> | -0.4868703 | 8.31E-21 | 1.46E-16 |
| <i>SLAMF7</i> | -0.4868916 | 8.28E-21 | 1.46E-16 |
| <i>FERMT3</i> | -0.4869582 | 8.16E-21 | 1.44E-16 |
| <i>TECPR1</i> | -0.4869737 | 8.14E-21 | 1.43E-16 |
| <i>FZD1</i> | -0.4871988 | 7.76E-21 | 1.37E-16 |
| <i>MICALCL</i> | -0.4873289 | 7.55E-21 | 1.33E-16 |
| <i>SASH1</i> | -0.4873561 | 7.51E-21 | 1.32E-16 |
| <i>GLRA4</i> | -0.4873721 | 7.49E-21 | 1.32E-16 |
| <i>NHSL1</i> | -0.4874214 | 7.41E-21 | 1.30E-16 |
| <i>TAOK3</i> | -0.487495 | 7.30E-21 | 1.28E-16 |
| <i>LOC1001281</i> | -0.4875158 | 7.26E-21 | 1.28E-16 |
| <i>ZDHHC18</i> | -0.4875352 | 7.23E-21 | 1.27E-16 |
| <i>PDE1C</i> | -0.4875552 | 7.20E-21 | 1.27E-16 |
| <i>CRYBG3</i> | -0.487797 | 6.85E-21 | 1.21E-16 |
| <i>CD244</i> | -0.4878748 | 6.74E-21 | 1.19E-16 |
| <i>TLR6</i> | -0.4878862 | 6.72E-21 | 1.18E-16 |
| <i>BTLA</i> | -0.4879666 | 6.61E-21 | 1.16E-16 |
| <i>C12orf49</i> | -0.488092 | 6.44E-21 | 1.13E-16 |

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| <i>OSTalpha</i> | -0.4882391 | 6.24E-21 | 1.10E-16 |
| <i>TRIM55</i> | -0.4882724 | 6.20E-21 | 1.09E-16 |
| <i>CALY</i> | -0.4882825 | 6.19E-21 | 1.09E-16 |
| <i>TMEM30B</i> | -0.4883426 | 6.11E-21 | 1.08E-16 |
| <i>COLEC12</i> | -0.4884325 | 5.99E-21 | 1.06E-16 |
| <i>SH3RF1</i> | -0.4885176 | 5.89E-21 | 1.04E-16 |
| <i>NR1H4</i> | -0.4886696 | 5.70E-21 | 1.01E-16 |
| <i>NOVA1</i> | -0.4887359 | 5.62E-21 | 9.91E-17 |
| <i>GAK</i> | -0.48885 | 5.49E-21 | 9.68E-17 |
| <i>SLC27A4</i> | -0.4890386 | 5.28E-21 | 9.31E-17 |
| <i>PDK4</i> | -0.4890531 | 5.26E-21 | 9.28E-17 |
| <i>CLEC17A</i> | -0.489069 | 5.24E-21 | 9.25E-17 |
| <i>KLRB1</i> | -0.4890954 | 5.22E-21 | 9.20E-17 |
| <i>FCRL5</i> | -0.4890991 | 5.21E-21 | 9.19E-17 |
| <i>CACNB1</i> | -0.4891423 | 5.16E-21 | 9.11E-17 |
| <i>IGFBP6</i> | -0.4891452 | 5.16E-21 | 9.10E-17 |
| <i>F13A1</i> | -0.4891832 | 5.12E-21 | 9.03E-17 |
| <i>PPP1R13B</i> | -0.4891892 | 5.11E-21 | 9.02E-17 |
| <i>CD300LG</i> | -0.4893151 | 4.98E-21 | 8.78E-17 |
| <i>C14orf132</i> | -0.489433 | 4.86E-21 | 8.57E-17 |
| <i>TLR10</i> | -0.4894418 | 4.85E-21 | 8.56E-17 |
| <i>IQGAP2</i> | -0.4895132 | 4.78E-21 | 8.43E-17 |
| <i>HEPACAM</i> | -0.4895422 | 4.75E-21 | 8.38E-17 |
| <i>HOXD3</i> | -0.4895428 | 4.75E-21 | 8.38E-17 |
| <i>HERC1</i> | -0.4897993 | 4.50E-21 | 7.94E-17 |
| <i>AFG3L2</i> | -0.4898211 | 4.48E-21 | 7.90E-17 |
| <i>SASH3</i> | -0.4898962 | 4.41E-21 | 7.78E-17 |
| <i>MADCAM1</i> | -0.4900809 | 4.24E-21 | 7.48E-17 |
| <i>HMX2</i> | -0.4902563 | 4.08E-21 | 7.21E-17 |
| <i>KDM4A</i> | -0.4902647 | 4.08E-21 | 7.20E-17 |
| <i>SDPR</i> | -0.4903335 | 4.02E-21 | 7.09E-17 |
| <i>STK32B</i> | -0.490434 | 3.93E-21 | 6.95E-17 |
| <i>GOLGA1</i> | -0.4904383 | 3.93E-21 | 6.94E-17 |
| <i>FHL1</i> | -0.4905089 | 3.87E-21 | 6.84E-17 |
| <i>NR3C1</i> | -0.4906219 | 3.78E-21 | 6.68E-17 |
| <i>OS9</i> | -0.4906299 | 3.77E-21 | 6.67E-17 |
| <i>NCKAP1L</i> | -0.4906401 | 3.77E-21 | 6.65E-17 |
| <i>GPR18</i> | -0.4906477 | 3.76E-21 | 6.64E-17 |
| <i>EPB41L4A</i> | -0.4907011 | 3.72E-21 | 6.57E-17 |
| <i>C1QA</i> | -0.4907237 | 3.70E-21 | 6.54E-17 |
| <i>STARD8</i> | -0.4907656 | 3.67E-21 | 6.48E-17 |
| <i>ISG20</i> | -0.4908551 | 3.60E-21 | 6.36E-17 |
| <i>CYFIP1</i> | -0.4908987 | 3.57E-21 | 6.30E-17 |
| <i>WSB2</i> | -0.4910637 | 3.44E-21 | 6.09E-17 |
| <i>EBI3</i> | -0.4910917 | 3.42E-21 | 6.05E-17 |
| <i>GALNT12</i> | -0.491144 | 3.39E-21 | 5.98E-17 |
| <i>CA12</i> | -0.4912805 | 3.29E-21 | 5.81E-17 |
| <i>SLC32A1</i> | -0.4913144 | 3.27E-21 | 5.77E-17 |
| <i>DGKA</i> | -0.4914049 | 3.20E-21 | 5.66E-17 |
| <i>SEMA4G</i> | -0.4914547 | 3.17E-21 | 5.60E-17 |
| <i>SIAE</i> | -0.4914738 | 3.16E-21 | 5.58E-17 |

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| <i>SLC25A42</i> | -0.4915069 | 3.13E-21 | 5.54E-17 |
| <i>CHRNA7</i> | -0.4915149 | 3.13E-21 | 5.53E-17 |
| <i>TNFRSF13C</i> | -0.4916251 | 3.06E-21 | 5.41E-17 |
| <i>DAPK1</i> | -0.491875 | 2.90E-21 | 5.13E-17 |
| <i>FAM75C1</i> | -0.4920099 | 2.82E-21 | 4.99E-17 |
| <i>EHBP1L1</i> | -0.4922872 | 2.66E-21 | 4.70E-17 |
| <i>PLCD3</i> | -0.4923539 | 2.62E-21 | 4.64E-17 |
| <i>PPP1R12B</i> | -0.4923742 | 2.61E-21 | 4.62E-17 |
| <i>VPREB3</i> | -0.4923878 | 2.60E-21 | 4.60E-17 |
| <i>DIRAS1</i> | -0.4924758 | 2.55E-21 | 4.52E-17 |
| <i>MKNK1</i> | -0.4925249 | 2.53E-21 | 4.47E-17 |
| <i>GZMM</i> | -0.4926556 | 2.46E-21 | 4.35E-17 |
| <i>DGCR2</i> | -0.4928261 | 2.37E-21 | 4.20E-17 |
| <i>FLJ41941</i> | -0.4928645 | 2.35E-21 | 4.16E-17 |
| <i>GPR88</i> | -0.4930766 | 2.25E-21 | 3.98E-17 |
| <i>PAPSS2</i> | -0.4931066 | 2.23E-21 | 3.95E-17 |
| <i>ABL1</i> | -0.493139 | 2.22E-21 | 3.93E-17 |
| <i>C6orf204</i> | -0.49323 | 2.17E-21 | 3.85E-17 |
| <i>PEAR1</i> | -0.4932658 | 2.16E-21 | 3.82E-17 |
| <i>FAM70A</i> | -0.4932675 | 2.16E-21 | 3.82E-17 |
| <i>C2CD2L</i> | -0.4932819 | 2.15E-21 | 3.81E-17 |
| <i>AQP7</i> | -0.4933122 | 2.14E-21 | 3.79E-17 |
| <i>NEGR1</i> | -0.4933369 | 2.11E-21 | 3.74E-17 |
| <i>GPER</i> | -0.4934185 | 2.09E-21 | 3.70E-17 |
| <i>C1QTNF7</i> | -0.4935062 | 2.05E-21 | 3.63E-17 |
| <i>INPP5A</i> | -0.4935352 | 2.04E-21 | 3.61E-17 |
| <i>C1QC</i> | -0.4936543 | 1.99E-21 | 3.52E-17 |
| <i>POLD4</i> | -0.4936936 | 1.97E-21 | 3.49E-17 |
| <i>KIAA0226</i> | -0.4937899 | 1.93E-21 | 3.42E-17 |
| <i>GOLGA3</i> | -0.4938479 | 1.90E-21 | 3.38E-17 |
| <i>OTUD7A</i> | -0.4938648 | 1.90E-21 | 3.37E-17 |
| <i>RASAL3</i> | -0.4939055 | 1.88E-21 | 3.34E-17 |
| <i>NKX2-3</i> | -0.4939498 | 1.86E-21 | 3.31E-17 |
| <i>UNC5B</i> | -0.4940281 | 1.83E-21 | 3.25E-17 |
| <i>FCRL4</i> | -0.4940496 | 1.82E-21 | 3.24E-17 |
| <i>HIVEP3</i> | -0.49417 | 1.78E-21 | 3.16E-17 |
| <i>CPAMD8</i> | -0.4941889 | 1.77E-21 | 3.14E-17 |
| <i>SEZ6L</i> | -0.4943129 | 1.72E-21 | 3.06E-17 |
| <i>IL5RA</i> | -0.4943318 | 1.72E-21 | 3.05E-17 |
| <i>ATP8B4</i> | -0.4944214 | 1.69E-21 | 2.99E-17 |
| <i>MYPN</i> | -0.4944547 | 1.67E-21 | 2.97E-17 |
| <i>CES3</i> | -0.4947766 | 1.56E-21 | 2.77E-17 |
| <i>SCGB2A1</i> | -0.49489 | 1.52E-21 | 2.71E-17 |
| <i>TMEM59</i> | -0.4949384 | 1.51E-21 | 2.68E-17 |
| <i>SCN1B</i> | -0.4951548 | 1.44E-21 | 2.56E-17 |
| <i>CCDC85C</i> | -0.4951892 | 1.43E-21 | 2.54E-17 |
| <i>DUSP21</i> | -0.4954357 | 1.36E-21 | 2.41E-17 |
| <i>PACSIN1</i> | -0.4955686 | 1.32E-21 | 2.34E-17 |
| <i>KIAA1012</i> | -0.4956012 | 1.31E-21 | 2.33E-17 |
| <i>ADAMDEC1</i> | -0.4956426 | 1.30E-21 | 2.30E-17 |
| <i>KRTAP13-2</i> | -0.4956967 | 1.28E-21 | 2.28E-17 |

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| <i>GRRP1</i> | -0.4957312 | 1.27E-21 | 2.26E-17 |
| <i>APOB48R</i> | -0.495747 | 1.27E-21 | 2.25E-17 |
| <i>IL1R2</i> | -0.4958056 | 1.25E-21 | 2.23E-17 |
| <i>TMEM171</i> | -0.4958091 | 1.25E-21 | 2.22E-17 |
| <i>CASP10</i> | -0.4959381 | 1.22E-21 | 2.16E-17 |
| <i>NLRC3</i> | -0.4960751 | 1.18E-21 | 2.10E-17 |
| <i>FLT3LG</i> | -0.4960753 | 1.18E-21 | 2.10E-17 |
| <i>C19orf35</i> | -0.4960819 | 1.18E-21 | 2.10E-17 |
| <i>LGALS9</i> | -0.4961106 | 1.17E-21 | 2.09E-17 |
| <i>CAPZB</i> | -0.4963603 | 1.11E-21 | 1.98E-17 |
| <i>RSPH3</i> | -0.4964554 | 1.09E-21 | 1.94E-17 |
| <i>EXOC6B</i> | -0.4965321 | 1.07E-21 | 1.91E-17 |
| <i>VAPA</i> | -0.49654 | 1.07E-21 | 1.90E-17 |
| <i>MMP25</i> | -0.4965727 | 1.06E-21 | 1.89E-17 |
| <i>CPEB4</i> | -0.4965908 | 1.06E-21 | 1.88E-17 |
| <i>FGD2</i> | -0.4966162 | 1.05E-21 | 1.87E-17 |
| <i>ARHGEF6</i> | -0.4966648 | 1.04E-21 | 1.85E-17 |
| <i>FLT3</i> | -0.497025 | 9.63E-22 | 1.71E-17 |
| <i>CTDSP1</i> | -0.4972982 | 9.08E-22 | 1.62E-17 |
| <i>CASKIN2</i> | -0.4973437 | 8.99E-22 | 1.60E-17 |
| <i>KIAA1409</i> | -0.4973677 | 8.94E-22 | 1.59E-17 |
| <i>PTGER2</i> | -0.497942 | 7.90E-22 | 1.41E-17 |
| <i>VWA5A</i> | -0.4979924 | 7.81E-22 | 1.39E-17 |
| <i>LOC96610</i> | -0.4980259 | 7.76E-22 | 1.38E-17 |
| <i>CP</i> | -0.4980259 | 7.76E-22 | 1.38E-17 |
| <i>MIER3</i> | -0.4981015 | 7.63E-22 | 1.36E-17 |
| <i>SGMS2</i> | -0.4981677 | 7.52E-22 | 1.34E-17 |
| <i>NCF1B</i> | -0.4981983 | 7.47E-22 | 1.33E-17 |
| <i>CHMP1B</i> | -0.4982671 | 7.36E-22 | 1.31E-17 |
| <i>GPR34</i> | -0.4982701 | 7.36E-22 | 1.31E-17 |
| <i>AKAP9</i> | -0.4983921 | 7.16E-22 | 1.28E-17 |
| <i>PRKAR2B</i> | -0.4984078 | 7.14E-22 | 1.27E-17 |
| <i>BCAS1</i> | -0.4985113 | 6.98E-22 | 1.25E-17 |
| <i>MEF2A</i> | -0.4987738 | 6.59E-22 | 1.18E-17 |
| <i>AKAP5</i> | -0.4989612 | 6.33E-22 | 1.13E-17 |
| <i>CDK15</i> | -0.4989939 | 6.29E-22 | 1.12E-17 |
| <i>N4BP1</i> | -0.499004 | 6.27E-22 | 1.12E-17 |
| <i>ANGPTL5</i> | -0.4990519 | 6.21E-22 | 1.11E-17 |
| <i>CRAT</i> | -0.4991079 | 6.13E-22 | 1.09E-17 |
| <i>RHOF</i> | -0.4991702 | 6.05E-22 | 1.08E-17 |
| <i>CNTN4</i> | -0.4992042 | 6.01E-22 | 1.07E-17 |
| <i>DSCAML1</i> | -0.4992472 | 5.95E-22 | 1.06E-17 |
| <i>PTTG1IP</i> | -0.4992784 | 5.91E-22 | 1.06E-17 |
| <i>LGR4</i> | -0.4993184 | 5.86E-22 | 1.05E-17 |
| <i>LRRC3B</i> | -0.4995573 | 5.56E-22 | 9.93E-18 |
| <i>RASSF6</i> | -0.4996553 | 5.44E-22 | 9.72E-18 |
| <i>TMTC1</i> | -0.49968 | 5.42E-22 | 9.67E-18 |
| <i>CR1</i> | -0.4997008 | 5.39E-22 | 9.63E-18 |
| <i>KIF5A</i> | -0.499733 | 5.35E-22 | 9.56E-18 |
| <i>MBOAT1</i> | -0.4999219 | 5.14E-22 | 9.18E-18 |
| <i>RCAN1</i> | -0.4999948 | 5.06E-22 | 9.03E-18 |

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| <i>PEG3</i> | -0.5000578 | 4.99E-22 | 8.91E-18 |
| <i>LILRA4</i> | -0.5000941 | 4.95E-22 | 8.84E-18 |
| <i>SYT5</i> | -0.500101 | 4.94E-22 | 8.83E-18 |
| <i>CXCR5</i> | -0.5001477 | 4.89E-22 | 8.74E-18 |
| <i>B3GNT6</i> | -0.5001501 | 4.89E-22 | 8.74E-18 |
| <i>GAS2L1</i> | -0.5001568 | 4.88E-22 | 8.73E-18 |
| <i>BDKRB2</i> | -0.5002299 | 4.80E-22 | 8.59E-18 |
| <i>ITGAL</i> | -0.5002645 | 4.77E-22 | 8.52E-18 |
| <i>ABI3</i> | -0.5003306 | 4.70E-22 | 8.40E-18 |
| <i>ANO5</i> | -0.5004522 | 4.58E-22 | 8.18E-18 |
| <i>GFRA1</i> | -0.500699 | 4.34E-22 | 7.76E-18 |
| <i>PXMP2</i> | -0.5009518 | 4.10E-22 | 7.34E-18 |
| <i>TAPT1</i> | -0.5011741 | 3.91E-22 | 6.99E-18 |
| <i>DENND1B</i> | -0.5012144 | 3.87E-22 | 6.93E-18 |
| <i>CAND2</i> | -0.5012531 | 3.84E-22 | 6.87E-18 |
| <i>ZFYVE9</i> | -0.5012805 | 3.82E-22 | 6.83E-18 |
| <i>RASSF2</i> | -0.5013499 | 3.76E-22 | 6.73E-18 |
| <i>TMEM156</i> | -0.5013621 | 3.75E-22 | 6.71E-18 |
| <i>ADCY5</i> | -0.5013859 | 3.73E-22 | 6.68E-18 |
| <i>ADAMTSL1</i> | -0.5014021 | 3.72E-22 | 6.65E-18 |
| <i>RASGEF1C</i> | -0.501545 | 3.60E-22 | 6.45E-18 |
| <i>CDC42BPG</i> | -0.501674 | 3.50E-22 | 6.27E-18 |
| <i>ITSN1</i> | -0.5018954 | 3.34E-22 | 5.98E-18 |
| <i>GAPT</i> | -0.5019275 | 3.31E-22 | 5.93E-18 |
| <i>AP3S2</i> | -0.5021392 | 3.16E-22 | 5.66E-18 |
| <i>ACACB</i> | -0.5021414 | 3.16E-22 | 5.66E-18 |
| <i>SDF4</i> | -0.5022197 | 3.11E-22 | 5.57E-18 |
| <i>TMEM37</i> | -0.5022494 | 3.09E-22 | 5.53E-18 |
| <i>SRL</i> | -0.5023216 | 3.04E-22 | 5.44E-18 |
| <i>MED9</i> | -0.5024163 | 2.98E-22 | 5.33E-18 |
| <i>REP15</i> | -0.5025204 | 2.91E-22 | 5.21E-18 |
| <i>ARRDC4</i> | -0.5026266 | 2.84E-22 | 5.09E-18 |
| <i>KIAA1644</i> | -0.5027424 | 2.77E-22 | 4.97E-18 |
| <i>FLJ40330</i> | -0.5028262 | 2.72E-22 | 4.88E-18 |
| <i>ARHGAP9</i> | -0.5029604 | 2.64E-22 | 4.73E-18 |
| <i>DNER</i> | -0.5030546 | 2.59E-22 | 4.64E-18 |
| <i>FXYD1</i> | -0.5031321 | 2.54E-22 | 4.56E-18 |
| <i>TAB2</i> | -0.5032174 | 2.50E-22 | 4.47E-18 |
| <i>LYNX1</i> | -0.5035007 | 2.34E-22 | 4.20E-18 |
| <i>MATK</i> | -0.503503 | 2.34E-22 | 4.20E-18 |
| <i>FAM177B</i> | -0.5035278 | 2.33E-22 | 4.18E-18 |
| <i>FLJ11235</i> | -0.5037628 | 2.21E-22 | 3.97E-18 |
| <i>PTPN18</i> | -0.5038238 | 2.18E-22 | 3.92E-18 |
| <i>C20orf160</i> | -0.5038654 | 2.16E-22 | 3.88E-18 |
| <i>C2orf58</i> | -0.5039925 | 2.10E-22 | 3.77E-18 |
| <i>VPS37B</i> | -0.5040261 | 2.09E-22 | 3.75E-18 |
| <i>C6orf186</i> | -0.5041123 | 2.05E-22 | 3.68E-18 |
| <i>MTMR9</i> | -0.5041818 | 2.02E-22 | 3.62E-18 |
| <i>CD96</i> | -0.5043619 | 1.94E-22 | 3.48E-18 |
| <i>METRNL</i> | -0.5043802 | 1.93E-22 | 3.47E-18 |
| <i>WAS</i> | -0.5043928 | 1.93E-22 | 3.46E-18 |

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| <i>BHLHA15</i> | -0.5045495 | 1.86E-22 | 3.34E-18 |
| <i>ENTPD5</i> | -0.5045755 | 1.85E-22 | 3.32E-18 |
| <i>HCLS1</i> | -0.5045821 | 1.85E-22 | 3.32E-18 |
| <i>FLCN</i> | -0.5046544 | 1.82E-22 | 3.26E-18 |
| <i>LGALS9C</i> | -0.5046878 | 1.80E-22 | 3.24E-18 |
| <i>HIST1H1C</i> | -0.5047746 | 1.77E-22 | 3.18E-18 |
| <i>CD14</i> | -0.5048596 | 1.74E-22 | 3.12E-18 |
| <i>CGN</i> | -0.5048752 | 1.73E-22 | 3.11E-18 |
| <i>RGS13</i> | -0.5049336 | 1.71E-22 | 3.07E-18 |
| <i>PTPRZ1</i> | -0.504966 | 1.70E-22 | 3.05E-18 |
| <i>GABRG2</i> | -0.5049771 | 1.69E-22 | 3.04E-18 |
| <i>FCRL2</i> | -0.5050319 | 1.67E-22 | 3.00E-18 |
| <i>DNM2</i> | -0.5050501 | 1.66E-22 | 2.99E-18 |
| <i>SP140</i> | -0.5050799 | 1.65E-22 | 2.97E-18 |
| <i>ATP6V1G2</i> | -0.5051191 | 1.64E-22 | 2.95E-18 |
| <i>P2RY10</i> | -0.505232 | 1.60E-22 | 2.87E-18 |
| <i>RAB37</i> | -0.5052615 | 1.59E-22 | 2.85E-18 |
| <i>DPEP3</i> | -0.5052728 | 1.58E-22 | 2.85E-18 |
| <i>ACVRL1</i> | -0.5053102 | 1.57E-22 | 2.82E-18 |
| <i>MAG1</i> | -0.5053852 | 1.55E-22 | 2.78E-18 |
| <i>GLTPD1</i> | -0.5054034 | 1.54E-22 | 2.77E-18 |
| <i>GPR82</i> | -0.5054613 | 1.52E-22 | 2.73E-18 |
| <i>LAX1</i> | -0.5054619 | 1.52E-22 | 2.73E-18 |
| <i>PTGDR</i> | -0.5056152 | 1.47E-22 | 2.64E-18 |
| <i>GIT2</i> | -0.5057808 | 1.42E-22 | 2.55E-18 |
| <i>TXNIP</i> | -0.5062219 | 1.28E-22 | 2.31E-18 |
| <i>OLFM3</i> | -0.5062895 | 1.26E-22 | 2.27E-18 |
| <i>STAT3</i> | -0.5062904 | 1.26E-22 | 2.27E-18 |
| <i>IKZF3</i> | -0.5064216 | 1.23E-22 | 2.21E-18 |
| <i>ZNF467</i> | -0.5064862 | 1.21E-22 | 2.18E-18 |
| <i>GSTM5</i> | -0.5064984 | 1.21E-22 | 2.17E-18 |
| <i>IL10RB</i> | -0.5065097 | 1.20E-22 | 2.17E-18 |
| <i>ANKRD12</i> | -0.5065503 | 1.19E-22 | 2.15E-18 |
| <i>ATCAY</i> | -0.5065709 | 1.19E-22 | 2.14E-18 |
| <i>FAM95B1</i> | -0.5065827 | 1.18E-22 | 2.13E-18 |
| <i>SLC35A4</i> | -0.5066335 | 1.17E-22 | 2.11E-18 |
| <i>GIMAP7</i> | -0.5067003 | 1.15E-22 | 2.08E-18 |
| <i>MKMK2</i> | -0.5067921 | 1.13E-22 | 2.03E-18 |
| <i>KCND3</i> | -0.5068257 | 1.12E-22 | 2.02E-18 |
| <i>NCF1</i> | -0.5068855 | 1.11E-22 | 1.99E-18 |
| <i>RCAN2</i> | -0.5069553 | 1.09E-22 | 1.96E-18 |
| <i>CYLD</i> | -0.5069674 | 1.09E-22 | 1.96E-18 |
| <i>CRADD</i> | -0.5069907 | 1.08E-22 | 1.95E-18 |
| <i>CTDSP2</i> | -0.5070856 | 1.06E-22 | 1.91E-18 |
| <i>SLC24A4</i> | -0.5071369 | 1.05E-22 | 1.89E-18 |
| <i>TRAK1</i> | -0.5072172 | 1.03E-22 | 1.85E-18 |
| <i>BMP2K</i> | -0.5072205 | 1.03E-22 | 1.85E-18 |
| <i>TAGLN3</i> | -0.50723 | 1.03E-22 | 1.85E-18 |
| <i>TBC1D1</i> | -0.5072401 | 1.02E-22 | 1.84E-18 |
| <i>DOCK8</i> | -0.5073336 | 1.00E-22 | 1.80E-18 |
| <i>APOBEC3A</i> | -0.5074393 | 9.78E-23 | 1.76E-18 |

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| <i>CLU</i> | -0.5076894 | 9.25E-23 | 1.67E-18 |
| <i>TCEAL5</i> | -0.5076996 | 9.23E-23 | 1.66E-18 |
| <i>MAN2B1</i> | -0.5077156 | 9.20E-23 | 1.66E-18 |
| <i>CHST6</i> | -0.5078014 | 9.02E-23 | 1.63E-18 |
| <i>ARRB1</i> | -0.5078159 | 8.99E-23 | 1.62E-18 |
| <i>SYNGR1</i> | -0.507977 | 8.68E-23 | 1.56E-18 |
| <i>TOR1AIP2</i> | -0.5079974 | 8.64E-23 | 1.56E-18 |
| <i>NACC2</i> | -0.5082278 | 8.20E-23 | 1.48E-18 |
| <i>PLEKHA7</i> | -0.5083819 | 7.92E-23 | 1.43E-18 |
| <i>IGJ</i> | -0.5083944 | 7.90E-23 | 1.42E-18 |
| <i>CSF2RB</i> | -0.5085525 | 7.63E-23 | 1.38E-18 |
| <i>CRYBA2</i> | -0.5085582 | 7.62E-23 | 1.37E-18 |
| <i>FOXN3</i> | -0.5085631 | 7.61E-23 | 1.37E-18 |
| <i>ABCA5</i> | -0.5086117 | 7.53E-23 | 1.36E-18 |
| <i>ABCD4</i> | -0.5086211 | 7.51E-23 | 1.35E-18 |
| <i>C10orf128</i> | -0.508663 | 7.44E-23 | 1.34E-18 |
| <i>SLC20A1</i> | -0.5088242 | 7.18E-23 | 1.29E-18 |
| <i>TUBB4</i> | -0.5088814 | 7.08E-23 | 1.28E-18 |
| <i>C9orf7</i> | -0.5089836 | 6.92E-23 | 1.25E-18 |
| <i>AKNA</i> | -0.5089978 | 6.90E-23 | 1.25E-18 |
| <i>ADAM6</i> | -0.50904 | 6.84E-23 | 1.23E-18 |
| <i>ZC3H12C</i> | -0.5093832 | 6.33E-23 | 1.14E-18 |
| <i>DNASE1L3</i> | -0.5094585 | 6.22E-23 | 1.12E-18 |
| <i>HERC3</i> | -0.5095377 | 6.11E-23 | 1.10E-18 |
| <i>C22orf13</i> | -0.5097824 | 5.79E-23 | 1.05E-18 |
| <i>PCDH10</i> | -0.5098597 | 5.69E-23 | 1.03E-18 |
| <i>C22orf30</i> | -0.5100144 | 5.49E-23 | 9.93E-19 |
| <i>RNF185</i> | -0.5100169 | 5.49E-23 | 9.92E-19 |
| <i>SPINK2</i> | -0.5101952 | 5.27E-23 | 9.53E-19 |
| <i>CCNG2</i> | -0.5102151 | 5.25E-23 | 9.49E-19 |
| <i>WIPF2</i> | -0.5102305 | 5.23E-23 | 9.46E-19 |
| <i>TMEM66</i> | -0.5102353 | 5.22E-23 | 9.45E-19 |
| <i>ROPN1</i> | -0.5102696 | 5.18E-23 | 9.37E-19 |
| <i>SYNRG</i> | -0.5102942 | 5.16E-23 | 9.32E-19 |
| <i>ZNF132</i> | -0.5103052 | 5.14E-23 | 9.30E-19 |
| <i>PSEN1</i> | -0.510323 | 5.12E-23 | 9.26E-19 |
| <i>TLR1</i> | -0.5104847 | 4.94E-23 | 8.93E-19 |
| <i>CD37</i> | -0.5105231 | 4.90E-23 | 8.86E-19 |
| <i>EDEM1</i> | -0.5105477 | 4.87E-23 | 8.81E-19 |
| <i>SFMBT2</i> | -0.5107256 | 4.68E-23 | 8.46E-19 |
| <i>TENC1</i> | -0.510746 | 4.66E-23 | 8.42E-19 |
| <i>ZNF671</i> | -0.5108211 | 4.58E-23 | 8.28E-19 |
| <i>SLC5A7</i> | -0.5111636 | 4.24E-23 | 7.67E-19 |
| <i>DSCR3</i> | -0.5114176 | 4.00E-23 | 7.24E-19 |
| <i>DUSP26</i> | -0.5114278 | 3.99E-23 | 7.22E-19 |
| <i>MIXL1</i> | -0.5114409 | 3.98E-23 | 7.20E-19 |
| <i>TSHR</i> | -0.5114756 | 3.95E-23 | 7.15E-19 |
| <i>PDE4DIP</i> | -0.5116995 | 3.75E-23 | 6.80E-19 |
| <i>APBB1IP</i> | -0.5117719 | 3.69E-23 | 6.68E-19 |
| <i>SSBP2</i> | -0.5119616 | 3.54E-23 | 6.40E-19 |
| <i>DHRS9</i> | -0.512053 | 3.46E-23 | 6.27E-19 |

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| <i>MYO18A</i> | -0.5120703 | 3.45E-23 | 6.25E-19 |
| <i>TMEM72</i> | -0.512172 | 3.37E-23 | 6.11E-19 |
| <i>CHL1</i> | -0.512263 | 3.30E-23 | 5.98E-19 |
| <i>ATP2B3</i> | -0.5123636 | 3.23E-23 | 5.85E-19 |
| <i>CILP</i> | -0.5124085 | 3.20E-23 | 5.79E-19 |
| <i>FAM83G</i> | -0.5124561 | 3.16E-23 | 5.73E-19 |
| <i>KLHL6</i> | -0.5125536 | 3.09E-23 | 5.60E-19 |
| <i>NPR1</i> | -0.5131049 | 2.73E-23 | 4.94E-19 |
| <i>DST</i> | -0.5131445 | 2.70E-23 | 4.90E-19 |
| <i>SLC22A5</i> | -0.513153 | 2.70E-23 | 4.89E-19 |
| <i>GPX3</i> | -0.5132245 | 2.65E-23 | 4.81E-19 |
| <i>MS4A10</i> | -0.5133245 | 2.59E-23 | 4.71E-19 |
| <i>TP53I3</i> | -0.5135677 | 2.45E-23 | 4.45E-19 |
| <i>TIAM1</i> | -0.5135946 | 2.44E-23 | 4.43E-19 |
| <i>MMP27</i> | -0.5136159 | 2.43E-23 | 4.40E-19 |
| <i>GNAQ</i> | -0.5137491 | 2.36E-23 | 4.27E-19 |
| <i>MAP3K11</i> | -0.5139676 | 2.24E-23 | 4.07E-19 |
| <i>LPCAT4</i> | -0.5140195 | 2.21E-23 | 4.02E-19 |
| <i>LONRF2</i> | -0.5141558 | 2.15E-23 | 3.90E-19 |
| <i>SEMA3D</i> | -0.5142136 | 2.12E-23 | 3.84E-19 |
| <i>MYT1L</i> | -0.5143193 | 2.07E-23 | 3.75E-19 |
| <i>ARHGAP25</i> | -0.5143347 | 2.06E-23 | 3.74E-19 |
| <i>SIGLECP3</i> | -0.5143351 | 2.06E-23 | 3.74E-19 |
| <i>UNC5D</i> | -0.5143984 | 2.03E-23 | 3.69E-19 |
| <i>KIAA1045</i> | -0.514459 | 2.00E-23 | 3.64E-19 |
| <i>SP2</i> | -0.5145121 | 1.98E-23 | 3.59E-19 |
| <i>WWP2</i> | -0.5145658 | 1.95E-23 | 3.55E-19 |
| <i>INSR</i> | -0.5145834 | 1.95E-23 | 3.53E-19 |
| <i>HTR3A</i> | -0.514632 | 1.93E-23 | 3.50E-19 |
| <i>TNFSF10</i> | -0.5147432 | 1.88E-23 | 3.41E-19 |
| <i>ANGPTL1</i> | -0.5147896 | 1.86E-23 | 3.37E-19 |
| <i>WASF2</i> | -0.5149089 | 1.81E-23 | 3.28E-19 |
| <i>SLC12A6</i> | -0.5149374 | 1.80E-23 | 3.26E-19 |
| <i>SLC17A5</i> | -0.5150128 | 1.76E-23 | 3.21E-19 |
| <i>DMXL1</i> | -0.5150618 | 1.74E-23 | 3.17E-19 |
| <i>AHRR</i> | -0.515082 | 1.74E-23 | 3.16E-19 |
| <i>MXD4</i> | -0.5151231 | 1.72E-23 | 3.13E-19 |
| <i>FCRLA</i> | -0.5151875 | 1.70E-23 | 3.08E-19 |
| <i>FYCO1</i> | -0.5152478 | 1.67E-23 | 3.04E-19 |
| <i>PPP2CB</i> | -0.5153075 | 1.65E-23 | 3.00E-19 |
| <i>PNPLA7</i> | -0.5153853 | 1.62E-23 | 2.94E-19 |
| <i>MAP4K1</i> | -0.5154381 | 1.60E-23 | 2.91E-19 |
| <i>OLFM1</i> | -0.5154532 | 1.60E-23 | 2.90E-19 |
| <i>GABRG1</i> | -0.5156028 | 1.54E-23 | 2.80E-19 |
| <i>PIK3R5</i> | -0.515912 | 1.44E-23 | 2.61E-19 |
| <i>DAAM2</i> | -0.5159955 | 1.41E-23 | 2.56E-19 |
| <i>ABCC8</i> | -0.5160436 | 1.39E-23 | 2.53E-19 |
| <i>MARVELD3</i> | -0.5160544 | 1.39E-23 | 2.53E-19 |
| <i>ACOX1</i> | -0.5162761 | 1.32E-23 | 2.40E-19 |
| <i>SCIN</i> | -0.5162851 | 1.32E-23 | 2.40E-19 |
| <i>LYST</i> | -0.516335 | 1.30E-23 | 2.37E-19 |

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| <i>ZNF831</i> | -0.5163508 | 1.30E-23 | 2.36E-19 |
| <i>ATP2B1</i> | -0.5163608 | 1.30E-23 | 2.36E-19 |
| <i>CD79A</i> | -0.5164717 | 1.26E-23 | 2.30E-19 |
| <i>CHGA</i> | -0.516545 | 1.24E-23 | 2.26E-19 |
| <i>TSHZ1</i> | -0.5165679 | 1.23E-23 | 2.25E-19 |
| <i>FLI1</i> | -0.5166848 | 1.20E-23 | 2.19E-19 |
| <i>SLC4A10</i> | -0.5167209 | 1.19E-23 | 2.17E-19 |
| <i>DPP6</i> | -0.5167461 | 1.19E-23 | 2.16E-19 |
| <i>ATP8A1</i> | -0.51679 | 1.17E-23 | 2.14E-19 |
| <i>TMEM59L</i> | -0.5170153 | 1.11E-23 | 2.03E-19 |
| <i>KDM6B</i> | -0.5170448 | 1.11E-23 | 2.01E-19 |
| <i>GYPC</i> | -0.5170848 | 1.10E-23 | 2.00E-19 |
| <i>MFSD11</i> | -0.5172079 | 1.07E-23 | 1.94E-19 |
| <i>NCAM1</i> | -0.5172156 | 1.06E-23 | 1.94E-19 |
| <i>HS3ST6</i> | -0.5172438 | 1.06E-23 | 1.92E-19 |
| <i>CD36</i> | -0.5173848 | 1.02E-23 | 1.86E-19 |
| <i>CALCOCO2</i> | -0.5173856 | 1.02E-23 | 1.86E-19 |
| <i>JAK1</i> | -0.5174671 | 1.00E-23 | 1.83E-19 |
| <i>SEMA3G</i> | -0.5174758 | 1.00E-23 | 1.82E-19 |
| <i>CNGA3</i> | -0.5175554 | 9.83E-24 | 1.79E-19 |
| <i>PAG1</i> | -0.5175893 | 9.76E-24 | 1.78E-19 |
| <i>RPH3A</i> | -0.5178156 | 9.26E-24 | 1.69E-19 |
| <i>ROGDI</i> | -0.5178835 | 9.12E-24 | 1.66E-19 |
| <i>ETHE1</i> | -0.5179505 | 8.98E-24 | 1.64E-19 |
| <i>LRRC4B</i> | -0.518089 | 8.69E-24 | 1.58E-19 |
| <i>ANKS1B</i> | -0.5181004 | 8.67E-24 | 1.58E-19 |
| <i>TRPV3</i> | -0.5181739 | 8.52E-24 | 1.55E-19 |
| <i>ANKRD44</i> | -0.5182414 | 8.39E-24 | 1.53E-19 |
| <i>PIP5K1C</i> | -0.51831 | 8.26E-24 | 1.51E-19 |
| <i>ITGA8</i> | -0.5183459 | 8.19E-24 | 1.49E-19 |
| <i>CCL14</i> | -0.5184824 | 7.94E-24 | 1.45E-19 |
| <i>LILRP2</i> | -0.5185159 | 7.87E-24 | 1.44E-19 |
| <i>PPP2R3A</i> | -0.5185609 | 7.79E-24 | 1.42E-19 |
| <i>CD79B</i> | -0.518592 | 7.74E-24 | 1.41E-19 |
| <i>TLE4</i> | -0.5186086 | 7.71E-24 | 1.41E-19 |
| <i>MAPRE2</i> | -0.5190034 | 7.03E-24 | 1.28E-19 |
| <i>RASGRP2</i> | -0.5191129 | 6.86E-24 | 1.25E-19 |
| <i>SGPP2</i> | -0.519132 | 6.83E-24 | 1.25E-19 |
| <i>ESR1</i> | -0.5192313 | 6.67E-24 | 1.22E-19 |
| <i>WNT9A</i> | -0.5192367 | 6.66E-24 | 1.22E-19 |
| <i>CCBE1</i> | -0.5192622 | 6.62E-24 | 1.21E-19 |
| <i>ASAP2</i> | -0.5193237 | 6.53E-24 | 1.19E-19 |
| <i>AGPAT3</i> | -0.519513 | 6.25E-24 | 1.14E-19 |
| <i>EGLN1</i> | -0.5196088 | 6.11E-24 | 1.12E-19 |
| <i>BTBD7</i> | -0.5196766 | 6.01E-24 | 1.10E-19 |
| <i>CYTSB</i> | -0.5197869 | 5.86E-24 | 1.07E-19 |
| <i>RIC3</i> | -0.5198861 | 5.73E-24 | 1.05E-19 |
| <i>PIK3CD</i> | -0.5200151 | 5.56E-24 | 1.02E-19 |
| <i>DOCK2</i> | -0.5203072 | 5.19E-24 | 9.49E-20 |
| <i>SCN3A</i> | -0.5203736 | 5.11E-24 | 9.35E-20 |
| <i>PLCE1</i> | -0.5204113 | 5.07E-24 | 9.27E-20 |

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| <i>PLEKHB2</i> | -0.5204268 | 5.05E-24 | 9.23E-20 |
| <i>C14orf49</i> | -0.5204367 | 5.04E-24 | 9.21E-20 |
| <i>GRN</i> | -0.5205008 | 4.96E-24 | 9.08E-20 |
| <i>CYTH4</i> | -0.5205048 | 4.96E-24 | 9.07E-20 |
| <i>GPR27</i> | -0.5206561 | 4.79E-24 | 8.75E-20 |
| <i>CYSLTR2</i> | -0.5207059 | 4.73E-24 | 8.65E-20 |
| <i>ZNF536</i> | -0.5207074 | 4.73E-24 | 8.65E-20 |
| <i>KIAA0495</i> | -0.5208979 | 4.53E-24 | 8.28E-20 |
| <i>SPOCK3</i> | -0.520987 | 4.43E-24 | 8.11E-20 |
| <i>ATP1A2</i> | -0.5210423 | 4.38E-24 | 8.00E-20 |
| <i>MT1E</i> | -0.5210775 | 4.34E-24 | 7.94E-20 |
| <i>TET2</i> | -0.5211098 | 4.31E-24 | 7.88E-20 |
| <i>AP1B1</i> | -0.5211517 | 4.26E-24 | 7.80E-20 |
| <i>P2RY14</i> | -0.5211751 | 4.24E-24 | 7.76E-20 |
| <i>MAN2B2</i> | -0.5211752 | 4.24E-24 | 7.76E-20 |
| <i>FAM63A</i> | -0.52141 | 4.01E-24 | 7.35E-20 |
| <i>EIF2C1</i> | -0.5214189 | 4.01E-24 | 7.33E-20 |
| <i>DISP2</i> | -0.5215723 | 3.87E-24 | 7.08E-20 |
| <i>LRRC26</i> | -0.5217007 | 3.75E-24 | 6.87E-20 |
| <i>BCL2L2</i> | -0.5217797 | 3.68E-24 | 6.74E-20 |
| <i>CD180</i> | -0.5218099 | 3.66E-24 | 6.69E-20 |
| <i>KLB</i> | -0.5220787 | 3.43E-24 | 6.29E-20 |
| <i>MAPK3</i> | -0.5222453 | 3.30E-24 | 6.05E-20 |
| <i>B3GNT7</i> | -0.5223178 | 3.25E-24 | 5.94E-20 |
| <i>TESK2</i> | -0.5224867 | 3.12E-24 | 5.71E-20 |
| <i>RNF10</i> | -0.522809 | 2.89E-24 | 5.30E-20 |
| <i>RNF19B</i> | -0.5228269 | 2.88E-24 | 5.28E-20 |
| <i>SCUBE2</i> | -0.5230167 | 2.75E-24 | 5.05E-20 |
| <i>C4orf19</i> | -0.5233084 | 2.57E-24 | 4.71E-20 |
| <i>CSF1R</i> | -0.5233222 | 2.56E-24 | 4.70E-20 |
| <i>FAM181B</i> | -0.5233552 | 2.54E-24 | 4.66E-20 |
| <i>CRY2</i> | -0.5233735 | 2.53E-24 | 4.64E-20 |
| <i>TOX</i> | -0.5234031 | 2.51E-24 | 4.61E-20 |
| <i>GRAMD4</i> | -0.5234437 | 2.49E-24 | 4.57E-20 |
| <i>GALR1</i> | -0.5235326 | 2.44E-24 | 4.47E-20 |
| <i>PRRT1</i> | -0.5235641 | 2.42E-24 | 4.44E-20 |
| <i>PLXNA2</i> | -0.5236336 | 2.38E-24 | 4.37E-20 |
| <i>PITPNM3</i> | -0.523642 | 2.38E-24 | 4.36E-20 |
| <i>BARX2</i> | -0.5237694 | 2.31E-24 | 4.23E-20 |
| <i>GIMAP6</i> | -0.5238615 | 2.26E-24 | 4.14E-20 |
| <i>ADAMTSL4</i> | -0.5238692 | 2.25E-24 | 4.13E-20 |
| <i>KCNB1</i> | -0.5240034 | 2.18E-24 | 4.00E-20 |
| <i>PYGM</i> | -0.5240287 | 2.17E-24 | 3.98E-20 |
| <i>SLC16A12</i> | -0.524084 | 2.14E-24 | 3.93E-20 |
| <i>JAM2</i> | -0.5243643 | 2.00E-24 | 3.68E-20 |
| <i>ARHGAP30</i> | -0.524616 | 1.89E-24 | 3.47E-20 |
| <i>AQPEP</i> | -0.5248374 | 1.79E-24 | 3.29E-20 |
| <i>CAMK4</i> | -0.5251511 | 1.66E-24 | 3.05E-20 |
| <i>FAM120B</i> | -0.5252179 | 1.64E-24 | 3.01E-20 |
| <i>MPP5</i> | -0.5252511 | 1.63E-24 | 2.98E-20 |
| <i>ARNT</i> | -0.5253263 | 1.60E-24 | 2.93E-20 |

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| <i>PPARGC1B</i> | -0.5255618 | 1.51E-24 | 2.77E-20 |
| <i>CD1D</i> | -0.5257667 | 1.44E-24 | 2.64E-20 |
| <i>MPND</i> | -0.5257933 | 1.43E-24 | 2.62E-20 |
| <i>SLC44A2</i> | -0.5259435 | 1.38E-24 | 2.53E-20 |
| <i>NLRX1</i> | -0.525946 | 1.38E-24 | 2.53E-20 |
| <i>GRIN3A</i> | -0.5264556 | 1.22E-24 | 2.24E-20 |
| <i>HMGCLL1</i> | -0.5264828 | 1.21E-24 | 2.23E-20 |
| <i>SOS2</i> | -0.5266443 | 1.17E-24 | 2.14E-20 |
| <i>ABCB5</i> | -0.5266945 | 1.15E-24 | 2.12E-20 |
| <i>KIAA0748</i> | -0.5266984 | 1.15E-24 | 2.12E-20 |
| <i>EPHA4</i> | -0.5267079 | 1.15E-24 | 2.11E-20 |
| <i>DCLK1</i> | -0.5268773 | 1.10E-24 | 2.03E-20 |
| <i>SLCO4C1</i> | -0.526892 | 1.10E-24 | 2.02E-20 |
| <i>ABCA10</i> | -0.5268924 | 1.10E-24 | 2.02E-20 |
| <i>CLEC4M</i> | -0.5269737 | 1.08E-24 | 1.98E-20 |
| <i>ALKBH5</i> | -0.5269775 | 1.08E-24 | 1.98E-20 |
| <i>SIGLEC8</i> | -0.5270482 | 1.06E-24 | 1.95E-20 |
| <i>SCN2B</i> | -0.5272535 | 1.01E-24 | 1.86E-20 |
| <i>CLCA4</i> | -0.5273075 | 9.97E-25 | 1.83E-20 |
| <i>DCAF5</i> | -0.5274332 | 9.68E-25 | 1.78E-20 |
| <i>SLITRK3</i> | -0.527567 | 9.37E-25 | 1.72E-20 |
| <i>BMP2</i> | -0.5281032 | 8.25E-25 | 1.52E-20 |
| <i>NAAA</i> | -0.5281438 | 8.17E-25 | 1.50E-20 |
| <i>NLGN1</i> | -0.5282594 | 7.94E-25 | 1.46E-20 |
| <i>ADCYAP1R1</i> | -0.5285702 | 7.37E-25 | 1.36E-20 |
| <i>CNTNAP3</i> | -0.5286135 | 7.30E-25 | 1.34E-20 |
| <i>RIMS4</i> | -0.5288289 | 6.93E-25 | 1.28E-20 |
| <i>KCNMA1</i> | -0.5289018 | 6.81E-25 | 1.25E-20 |
| <i>ZBTB16</i> | -0.5289241 | 6.77E-25 | 1.25E-20 |
| <i>KIF1B</i> | -0.5291678 | 6.39E-25 | 1.18E-20 |
| <i>STXBP5</i> | -0.529176 | 6.38E-25 | 1.17E-20 |
| <i>TLL1</i> | -0.5292817 | 6.22E-25 | 1.14E-20 |
| <i>FAM55C</i> | -0.5294712 | 5.94E-25 | 1.09E-20 |
| <i>IL6ST</i> | -0.5295885 | 5.77E-25 | 1.06E-20 |
| <i>TLN1</i> | -0.5296895 | 5.64E-25 | 1.04E-20 |
| <i>CYSLTR1</i> | -0.5297304 | 5.58E-25 | 1.03E-20 |
| <i>EVI2B</i> | -0.5297454 | 5.56E-25 | 1.02E-20 |
| <i>CMKLR1</i> | -0.5297773 | 5.52E-25 | 1.02E-20 |
| <i>SLITRK2</i> | -0.5298666 | 5.40E-25 | 9.95E-21 |
| <i>MT1F</i> | -0.5299981 | 5.23E-25 | 9.64E-21 |
| <i>BEND5</i> | -0.5300159 | 5.21E-25 | 9.60E-21 |
| <i>KCNQ5</i> | -0.5300734 | 5.14E-25 | 9.47E-21 |
| <i>BTD</i> | -0.5300768 | 5.14E-25 | 9.46E-21 |
| <i>CLDN8</i> | -0.5302893 | 4.88E-25 | 8.99E-21 |
| <i>PLEKHM1</i> | -0.5303445 | 4.81E-25 | 8.88E-21 |
| <i>UBE3B</i> | -0.5303904 | 4.76E-25 | 8.78E-21 |
| <i>SGSM3</i> | -0.5304211 | 4.73E-25 | 8.72E-21 |
| <i>C14orf64</i> | -0.5304653 | 4.68E-25 | 8.62E-21 |
| <i>CDH19</i> | -0.5305266 | 4.61E-25 | 8.50E-21 |
| <i>KRBA2</i> | -0.5305501 | 4.58E-25 | 8.45E-21 |
| <i>DSC2</i> | -0.5306026 | 4.52E-25 | 8.34E-21 |

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| <i>RNF11</i> | -0.5306553 | 4.47E-25 | 8.24E-21 |
| <i>KCTD9</i> | -0.5307821 | 4.33E-25 | 7.99E-21 |
| <i>PITPNM2</i> | -0.530831 | 4.28E-25 | 7.90E-21 |
| <i>VPS18</i> | -0.5308524 | 4.26E-25 | 7.86E-21 |
| <i>SRPX</i> | -0.530887 | 4.22E-25 | 7.79E-21 |
| <i>ATP1B2</i> | -0.5309855 | 4.12E-25 | 7.61E-21 |
| <i>STK17B</i> | -0.5311709 | 3.94E-25 | 7.28E-21 |
| <i>ELAVL3</i> | -0.5312282 | 3.89E-25 | 7.18E-21 |
| <i>GNAO1</i> | -0.5314049 | 3.73E-25 | 6.88E-21 |
| <i>TLR7</i> | -0.5314249 | 3.71E-25 | 6.85E-21 |
| <i>ADCY6</i> | -0.5314373 | 3.70E-25 | 6.83E-21 |
| <i>CCNDBP1</i> | -0.531452 | 3.69E-25 | 6.80E-21 |
| <i>PLAC8</i> | -0.5314923 | 3.65E-25 | 6.74E-21 |
| <i>STBD1</i> | -0.53193 | 3.28E-25 | 6.06E-21 |
| <i>STAP1</i> | -0.5319818 | 3.24E-25 | 5.99E-21 |
| <i>HTR3C</i> | -0.5321032 | 3.15E-25 | 5.81E-21 |
| <i>GLIPR2</i> | -0.5322158 | 3.06E-25 | 5.66E-21 |
| <i>SNTG2</i> | -0.532608 | 2.78E-25 | 5.14E-21 |
| <i>C5orf20</i> | -0.532778 | 2.67E-25 | 4.94E-21 |
| <i>HPSE</i> | -0.532845 | 2.63E-25 | 4.86E-21 |
| <i>DOCK10</i> | -0.5329104 | 2.59E-25 | 4.78E-21 |
| <i>SIK3</i> | -0.5329508 | 2.56E-25 | 4.74E-21 |
| <i>LAMA1</i> | -0.5332501 | 2.38E-25 | 4.40E-21 |
| <i>CYBASC3</i> | -0.5332563 | 2.38E-25 | 4.40E-21 |
| <i>HCFC2</i> | -0.5333204 | 2.34E-25 | 4.33E-21 |
| <i>GFI1</i> | -0.5335122 | 2.24E-25 | 4.13E-21 |
| <i>SLC27A6</i> | -0.5335843 | 2.20E-25 | 4.06E-21 |
| <i>C17orf68</i> | -0.5338322 | 2.07E-25 | 3.82E-21 |
| <i>DPEP2</i> | -0.5339671 | 2.00E-25 | 3.70E-21 |
| <i>FAM78A</i> | -0.5340812 | 1.95E-25 | 3.60E-21 |
| <i>BAHD1</i> | -0.5341494 | 1.91E-25 | 3.54E-21 |
| <i>CNTFR</i> | -0.5341648 | 1.91E-25 | 3.53E-21 |
| <i>ABCA6</i> | -0.5342331 | 1.88E-25 | 3.47E-21 |
| <i>RAB39B</i> | -0.5342877 | 1.85E-25 | 3.42E-21 |
| <i>ADAM28</i> | -0.5343207 | 1.84E-25 | 3.40E-21 |
| <i>ZIK1</i> | -0.5343622 | 1.82E-25 | 3.36E-21 |
| <i>SEL1L</i> | -0.5344335 | 1.79E-25 | 3.30E-21 |
| <i>FCER2</i> | -0.5345381 | 1.74E-25 | 3.22E-21 |
| <i>MEI1</i> | -0.5347683 | 1.65E-25 | 3.05E-21 |
| <i>RIMS3</i> | -0.5351832 | 1.49E-25 | 2.75E-21 |
| <i>ACADVL</i> | -0.5353659 | 1.42E-25 | 2.63E-21 |
| <i>TP53INP1</i> | -0.5354721 | 1.38E-25 | 2.56E-21 |
| <i>SYNE1</i> | -0.5357638 | 1.29E-25 | 2.39E-21 |
| <i>DPF3</i> | -0.5360647 | 1.20E-25 | 2.22E-21 |
| <i>KCNS2</i> | -0.5360738 | 1.19E-25 | 2.21E-21 |
| <i>MCOLN1</i> | -0.5360984 | 1.19E-25 | 2.20E-21 |
| <i>SNX24</i> | -0.5364575 | 1.09E-25 | 2.01E-21 |
| <i>APC</i> | -0.5366128 | 1.05E-25 | 1.94E-21 |
| <i>GIMAP5</i> | -0.5367511 | 1.01E-25 | 1.87E-21 |
| <i>ANK2</i> | -0.5369138 | 9.72E-26 | 1.80E-21 |
| <i>SLC6A19</i> | -0.5370175 | 9.47E-26 | 1.76E-21 |

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| <i>GVIN1</i> | -0.5370425 | 9.42E-26 | 1.75E-21 |
| <i>C14orf180</i> | -0.5370588 | 9.38E-26 | 1.74E-21 |
| <i>DDX60</i> | -0.5370968 | 9.29E-26 | 1.72E-21 |
| <i>COL19A1</i> | -0.5372952 | 8.85E-26 | 1.64E-21 |
| <i>SH2D1B</i> | -0.5374828 | 8.45E-26 | 1.57E-21 |
| <i>KCNK3</i> | -0.5375016 | 8.41E-26 | 1.56E-21 |
| <i>SAMD9</i> | -0.5377574 | 7.89E-26 | 1.46E-21 |
| <i>NPY</i> | -0.5378462 | 7.72E-26 | 1.43E-21 |
| <i>ADORA2A</i> | -0.5380289 | 7.38E-26 | 1.37E-21 |
| <i>MEP1B</i> | -0.5380452 | 7.35E-26 | 1.36E-21 |
| <i>KIAA1632</i> | -0.5382069 | 7.06E-26 | 1.31E-21 |
| <i>PLCXD3</i> | -0.5382407 | 7.01E-26 | 1.30E-21 |
| <i>ANK3</i> | -0.538667 | 6.30E-26 | 1.17E-21 |
| <i>BLK</i> | -0.5388175 | 6.07E-26 | 1.13E-21 |
| <i>CSF1</i> | -0.5389157 | 5.93E-26 | 1.10E-21 |
| <i>CXCL12</i> | -0.5389456 | 5.88E-26 | 1.09E-21 |
| <i>CD27</i> | -0.5389762 | 5.84E-26 | 1.08E-21 |
| <i>FOXD3</i> | -0.5390779 | 5.69E-26 | 1.06E-21 |
| <i>TNK1</i> | -0.5390803 | 5.69E-26 | 1.06E-21 |
| <i>GRLF1</i> | -0.5390965 | 5.67E-26 | 1.05E-21 |
| <i>MAG3</i> | -0.5391922 | 5.53E-26 | 1.03E-21 |
| <i>CDC14A</i> | -0.5392011 | 5.52E-26 | 1.03E-21 |
| <i>LXN</i> | -0.5393673 | 5.30E-26 | 9.84E-22 |
| <i>BCHE</i> | -0.5394107 | 5.24E-26 | 9.74E-22 |
| <i>MTM1</i> | -0.5394164 | 5.23E-26 | 9.73E-22 |
| <i>KIR2DL4</i> | -0.5394228 | 5.23E-26 | 9.71E-22 |
| <i>ADH1B</i> | -0.5395952 | 5.01E-26 | 9.30E-22 |
| <i>CPEB1</i> | -0.5397792 | 4.78E-26 | 8.89E-22 |
| <i>ACER3</i> | -0.5398541 | 4.70E-26 | 8.73E-22 |
| <i>TLX2</i> | -0.5399542 | 4.58E-26 | 8.51E-22 |
| <i>SLIT3</i> | -0.5401217 | 4.39E-26 | 8.17E-22 |
| <i>BCL2L11</i> | -0.5401713 | 4.34E-26 | 8.07E-22 |
| <i>BEST2</i> | -0.5404726 | 4.03E-26 | 7.48E-22 |
| <i>CCL13</i> | -0.5405569 | 3.94E-26 | 7.33E-22 |
| <i>NAGA</i> | -0.5406137 | 3.89E-26 | 7.23E-22 |
| <i>SCN4B</i> | -0.540727 | 3.78E-26 | 7.03E-22 |
| <i>SCUBE1</i> | -0.5411081 | 3.44E-26 | 6.39E-22 |
| <i>CLMN</i> | -0.5411517 | 3.40E-26 | 6.32E-22 |
| <i>PDCD4</i> | -0.5411734 | 3.38E-26 | 6.29E-22 |
| <i>HADHA</i> | -0.5413039 | 3.27E-26 | 6.09E-22 |
| <i>TMEM61</i> | -0.5415291 | 3.09E-26 | 5.75E-22 |
| <i>IL17RC</i> | -0.5415956 | 3.04E-26 | 5.66E-22 |
| <i>POU2F2</i> | -0.5417481 | 2.93E-26 | 5.45E-22 |
| <i>ATP5A1</i> | -0.5418787 | 2.83E-26 | 5.27E-22 |
| <i>MSRA</i> | -0.5419054 | 2.81E-26 | 5.24E-22 |
| <i>ZFP91</i> | -0.542104 | 2.68E-26 | 4.98E-22 |
| <i>LPAR1</i> | -0.5423162 | 2.54E-26 | 4.73E-22 |
| <i>C2orf71</i> | -0.5423348 | 2.53E-26 | 4.71E-22 |
| <i>KIAA1539</i> | -0.542391 | 2.49E-26 | 4.64E-22 |
| <i>KIAA0125</i> | -0.5425863 | 2.37E-26 | 4.42E-22 |
| <i>TRAF3IP2</i> | -0.5426448 | 2.34E-26 | 4.35E-22 |

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| <i>RBM47</i> | -0.5427176 | 2.30E-26 | 4.28E-22 |
| <i>KCNN3</i> | -0.5427685 | 2.27E-26 | 4.22E-22 |
| <i>C14orf159</i> | -0.5428682 | 2.21E-26 | 4.12E-22 |
| <i>TPO</i> | -0.5429974 | 2.14E-26 | 3.99E-22 |
| <i>MARK2</i> | -0.5432133 | 2.03E-26 | 3.78E-22 |
| <i>GNG13</i> | -0.5432661 | 2.00E-26 | 3.73E-22 |
| <i>ZNF835</i> | -0.5432936 | 1.99E-26 | 3.70E-22 |
| <i>DCAF11</i> | -0.5435237 | 1.87E-26 | 3.49E-22 |
| <i>MGAT4C</i> | -0.5435355 | 1.87E-26 | 3.48E-22 |
| <i>TARP</i> | -0.5435711 | 1.85E-26 | 3.45E-22 |
| <i>PLD1</i> | -0.5435967 | 1.84E-26 | 3.43E-22 |
| <i>C1orf177</i> | -0.5436362 | 1.82E-26 | 3.40E-22 |
| <i>PANK3</i> | -0.543751 | 1.77E-26 | 3.30E-22 |
| <i>HMP19</i> | -0.5441249 | 1.61E-26 | 3.00E-22 |
| <i>DIRC3</i> | -0.5442802 | 1.55E-26 | 2.89E-22 |
| <i>FAM5C</i> | -0.5444568 | 1.48E-26 | 2.76E-22 |
| <i>MT1H</i> | -0.5446099 | 1.43E-26 | 2.66E-22 |
| <i>RASD2</i> | -0.5446593 | 1.41E-26 | 2.63E-22 |
| <i>GCG</i> | -0.5447556 | 1.37E-26 | 2.56E-22 |
| <i>CAMK2D</i> | -0.5448323 | 1.35E-26 | 2.51E-22 |
| <i>LSP1</i> | -0.5448734 | 1.33E-26 | 2.49E-22 |
| <i>CD200R1</i> | -0.5448795 | 1.33E-26 | 2.49E-22 |
| <i>BTBD9</i> | -0.5449782 | 1.30E-26 | 2.42E-22 |
| <i>SMCR7</i> | -0.5450073 | 1.29E-26 | 2.41E-22 |
| <i>LOC339524</i> | -0.5450176 | 1.29E-26 | 2.40E-22 |
| <i>ANTXR2</i> | -0.5450669 | 1.27E-26 | 2.37E-22 |
| <i>ABCD2</i> | -0.545119 | 1.25E-26 | 2.34E-22 |
| <i>C12orf53</i> | -0.5455922 | 1.11E-26 | 2.08E-22 |
| <i>CTNND1</i> | -0.545605 | 1.11E-26 | 2.07E-22 |
| <i>GBA2</i> | -0.5456312 | 1.10E-26 | 2.06E-22 |
| <i>SORCS1</i> | -0.5456769 | 1.09E-26 | 2.03E-22 |
| <i>NDST1</i> | -0.5457078 | 1.08E-26 | 2.02E-22 |
| <i>PNOC</i> | -0.5458002 | 1.05E-26 | 1.97E-22 |
| <i>ASB2</i> | -0.5458592 | 1.04E-26 | 1.94E-22 |
| <i>SNAP91</i> | -0.5458662 | 1.04E-26 | 1.94E-22 |
| <i>RNF112</i> | -0.5460549 | 9.89E-27 | 1.85E-22 |
| <i>CA1</i> | -0.5460892 | 9.80E-27 | 1.83E-22 |
| <i>NCF1C</i> | -0.5461232 | 9.72E-27 | 1.82E-22 |
| <i>ROR1</i> | -0.5462835 | 9.33E-27 | 1.74E-22 |
| <i>CCNYL1</i> | -0.5463724 | 9.12E-27 | 1.70E-22 |
| <i>HSD3B2</i> | -0.5464958 | 8.84E-27 | 1.65E-22 |
| <i>CAMK2A</i> | -0.5465709 | 8.67E-27 | 1.62E-22 |
| <i>CHST9</i> | -0.5466267 | 8.55E-27 | 1.60E-22 |
| <i>MMRN1</i> | -0.5468387 | 8.10E-27 | 1.51E-22 |
| <i>TMIGD1</i> | -0.5471026 | 7.57E-27 | 1.42E-22 |
| <i>KIAA1161</i> | -0.5472119 | 7.36E-27 | 1.38E-22 |
| <i>CCDC13</i> | -0.5475338 | 6.78E-27 | 1.27E-22 |
| <i>RSPO1</i> | -0.5477187 | 6.47E-27 | 1.21E-22 |
| <i>ABI3BP</i> | -0.5477591 | 6.41E-27 | 1.20E-22 |
| <i>CEACAM3</i> | -0.5478553 | 6.25E-27 | 1.17E-22 |
| <i>PRX</i> | -0.5478819 | 6.21E-27 | 1.16E-22 |

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| <i>KRT9</i> | -0.547884 | 6.20E-27 | 1.16E-22 |
| <i>TAGAP</i> | -0.5479604 | 6.08E-27 | 1.14E-22 |
| <i>DPYD</i> | -0.5480551 | 5.94E-27 | 1.11E-22 |
| <i>SEC14L5</i> | -0.5481996 | 5.72E-27 | 1.07E-22 |
| <i>C6orf72</i> | -0.5484702 | 5.34E-27 | 1.00E-22 |
| <i>PTPRCAP</i> | -0.5485238 | 5.27E-27 | 9.87E-23 |
| <i>C10orf76</i> | -0.5485558 | 5.22E-27 | 9.79E-23 |
| <i>GPR15</i> | -0.5486924 | 5.05E-27 | 9.45E-23 |
| <i>B3GALT1</i> | -0.5491038 | 4.54E-27 | 8.51E-23 |
| <i>LARGE</i> | -0.5491804 | 4.45E-27 | 8.34E-23 |
| <i>SDCBP2</i> | -0.5492893 | 4.33E-27 | 8.11E-23 |
| <i>ST8SIA3</i> | -0.5494274 | 4.18E-27 | 7.83E-23 |
| <i>SIGLEC1</i> | -0.5495111 | 4.09E-27 | 7.67E-23 |
| <i>BAALC</i> | -0.5495376 | 4.06E-27 | 7.61E-23 |
| <i>TRIM3</i> | -0.5496186 | 3.98E-27 | 7.46E-23 |
| <i>SHE</i> | -0.5496201 | 3.98E-27 | 7.45E-23 |
| <i>PTH1R</i> | -0.5496298 | 3.97E-27 | 7.44E-23 |
| <i>SLC41A2</i> | -0.5497685 | 3.83E-27 | 7.18E-23 |
| <i>AFF3</i> | -0.549806 | 3.79E-27 | 7.11E-23 |
| <i>HMOX1</i> | -0.5499844 | 3.62E-27 | 6.79E-23 |
| <i>MIA2</i> | -0.5499845 | 3.62E-27 | 6.79E-23 |
| <i>AHCYL2</i> | -0.5501422 | 3.48E-27 | 6.52E-23 |
| <i>PCSK5</i> | -0.5502888 | 3.35E-27 | 6.28E-23 |
| <i>IL17RA</i> | -0.5503476 | 3.30E-27 | 6.19E-23 |
| <i>SLC24A6</i> | -0.5504416 | 3.22E-27 | 6.04E-23 |
| <i>GRAMD3</i> | -0.5504518 | 3.21E-27 | 6.02E-23 |
| <i>IL4R</i> | -0.5505021 | 3.17E-27 | 5.95E-23 |
| <i>MTUS1</i> | -0.5505378 | 3.14E-27 | 5.89E-23 |
| <i>TSPAN1</i> | -0.5506545 | 3.05E-27 | 5.72E-23 |
| <i>NPY6R</i> | -0.5507892 | 2.94E-27 | 5.52E-23 |
| <i>C15orf58</i> | -0.5507938 | 2.94E-27 | 5.52E-23 |
| <i>KCTD2</i> | -0.5508419 | 2.90E-27 | 5.45E-23 |
| <i>CCR2</i> | -0.5512406 | 2.62E-27 | 4.92E-23 |
| <i>ABHD5</i> | -0.5512939 | 2.58E-27 | 4.85E-23 |
| <i>NGB</i> | -0.5513359 | 2.56E-27 | 4.80E-23 |
| <i>CLDN5</i> | -0.55135 | 2.55E-27 | 4.78E-23 |
| <i>TBC1D22A</i> | -0.5515411 | 2.42E-27 | 4.55E-23 |
| <i>SCN7A</i> | -0.5515422 | 2.42E-27 | 4.55E-23 |
| <i>IL10RA</i> | -0.5515622 | 2.41E-27 | 4.53E-23 |
| <i>CNTN2</i> | -0.5517683 | 2.29E-27 | 4.29E-23 |
| <i>TSPYL1</i> | -0.5518569 | 2.23E-27 | 4.20E-23 |
| <i>ACSM5</i> | -0.5521322 | 2.08E-27 | 3.91E-23 |
| <i>GCNT4</i> | -0.5521388 | 2.08E-27 | 3.90E-23 |
| <i>MT1X</i> | -0.5522149 | 2.04E-27 | 3.82E-23 |
| <i>PDE4D</i> | -0.5525982 | 1.84E-27 | 3.46E-23 |
| <i>SQRDL</i> | -0.5527465 | 1.77E-27 | 3.33E-23 |
| <i>CRHBP</i> | -0.5529563 | 1.68E-27 | 3.16E-23 |
| <i>MAN1A1</i> | -0.5529993 | 1.66E-27 | 3.12E-23 |
| <i>GNG3</i> | -0.5530666 | 1.63E-27 | 3.07E-23 |
| <i>C1orf173</i> | -0.5532053 | 1.57E-27 | 2.96E-23 |
| <i>STYK1</i> | -0.5533028 | 1.53E-27 | 2.89E-23 |

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| ZCCHC2 | -0.5533035 | 1.53E-27 | 2.89E-23 |
| SEMA3E | -0.553396 | 1.50E-27 | 2.82E-23 |
| CADM2 | -0.5534408 | 1.48E-27 | 2.78E-23 |
| CTSG | -0.5535362 | 1.44E-27 | 2.72E-23 |
| GRIA3 | -0.5537599 | 1.36E-27 | 2.56E-23 |
| GNG2 | -0.5538005 | 1.35E-27 | 2.54E-23 |
| SLC7A14 | -0.5539236 | 1.31E-27 | 2.46E-23 |
| SOX10 | -0.5539604 | 1.29E-27 | 2.43E-23 |
| PDLIM2 | -0.5540397 | 1.27E-27 | 2.38E-23 |
| ITM2A | -0.5543301 | 1.17E-27 | 2.21E-23 |
| PLSCR4 | -0.5543921 | 1.16E-27 | 2.17E-23 |
| CLEC9A | -0.5545055 | 1.12E-27 | 2.11E-23 |
| FAM160A1 | -0.5545544 | 1.11E-27 | 2.08E-23 |
| ARHGEF18 | -0.5547758 | 1.05E-27 | 1.97E-23 |
| LOC284276 | -0.5548011 | 1.04E-27 | 1.95E-23 |
| NUMB | -0.5548374 | 1.03E-27 | 1.94E-23 |
| AFF1 | -0.5549811 | 9.91E-28 | 1.86E-23 |
| SSTR2 | -0.5552097 | 9.33E-28 | 1.76E-23 |
| CNNM4 | -0.555383 | 8.92E-28 | 1.68E-23 |
| RGS9 | -0.555752 | 8.09E-28 | 1.52E-23 |
| BMP6 | -0.5557871 | 8.02E-28 | 1.51E-23 |
| SULT1A2 | -0.5558309 | 7.93E-28 | 1.49E-23 |
| PCSK7 | -0.5558367 | 7.92E-28 | 1.49E-23 |
| KIAA1671 | -0.5559058 | 7.77E-28 | 1.46E-23 |
| HERPUD1 | -0.5561523 | 7.29E-28 | 1.37E-23 |
| POU2AF1 | -0.5563841 | 6.86E-28 | 1.29E-23 |
| RSPO2 | -0.5563843 | 6.86E-28 | 1.29E-23 |
| C17orf91 | -0.556403 | 6.82E-28 | 1.29E-23 |
| C21orf88 | -0.5564034 | 6.82E-28 | 1.29E-23 |
| KIAA1370 | -0.5564146 | 6.80E-28 | 1.28E-23 |
| ENTPD8 | -0.5567742 | 6.19E-28 | 1.17E-23 |
| LOC728606 | -0.5567933 | 6.16E-28 | 1.16E-23 |
| GGTA1 | -0.5568082 | 6.13E-28 | 1.16E-23 |
| SETBP1 | -0.5568359 | 6.09E-28 | 1.15E-23 |
| GPR142 | -0.5570488 | 5.76E-28 | 1.09E-23 |
| GRIN2A | -0.5573846 | 5.27E-28 | 9.93E-24 |
| B3GALT4 | -0.557947 | 4.54E-28 | 8.57E-24 |
| C2orf40 | -0.5580533 | 4.42E-28 | 8.33E-24 |
| RNF125 | -0.558151 | 4.30E-28 | 8.12E-24 |
| FAM107B | -0.5581698 | 4.28E-28 | 8.08E-24 |
| TTC7A | -0.558265 | 4.18E-28 | 7.88E-24 |
| KIRREL3 | -0.5582713 | 4.17E-28 | 7.87E-24 |
| HPSE2 | -0.5583833 | 4.05E-28 | 7.64E-24 |
| ASB8 | -0.5584305 | 4.00E-28 | 7.54E-24 |
| IKZF1 | -0.5584911 | 3.93E-28 | 7.42E-24 |
| VILL | -0.5585913 | 3.83E-28 | 7.23E-24 |
| IGSF11 | -0.5586943 | 3.73E-28 | 7.03E-24 |
| MLXIP | -0.5587434 | 3.68E-28 | 6.94E-24 |
| SFRP1 | -0.5587682 | 3.65E-28 | 6.90E-24 |
| TDRD10 | -0.5588415 | 3.58E-28 | 6.77E-24 |
| P2RY8 | -0.5590682 | 3.38E-28 | 6.37E-24 |

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| <i>PHOX2A</i> | -0.5591272 | 3.32E-28 | 6.28E-24 |
| <i>SLC25A23</i> | -0.5591938 | 3.26E-28 | 6.17E-24 |
| <i>NIPAL3</i> | -0.559244 | 3.22E-28 | 6.08E-24 |
| <i>BMP3</i> | -0.5593472 | 3.13E-28 | 5.92E-24 |
| <i>MXD1</i> | -0.5593586 | 3.12E-28 | 5.90E-24 |
| <i>SIGLEC6</i> | -0.5593863 | 3.10E-28 | 5.86E-24 |
| <i>TPH1</i> | -0.5598208 | 2.76E-28 | 5.22E-24 |
| <i>KIAA0408</i> | -0.5598848 | 2.72E-28 | 5.13E-24 |
| <i>ALPI</i> | -0.559888 | 2.71E-28 | 5.13E-24 |
| <i>PAFAH2</i> | -0.5600781 | 2.58E-28 | 4.88E-24 |
| <i>CDKL1</i> | -0.5600788 | 2.58E-28 | 4.88E-24 |
| <i>ARHGAP17</i> | -0.5601307 | 2.55E-28 | 4.81E-24 |
| <i>PIK3CG</i> | -0.5602055 | 2.49E-28 | 4.72E-24 |
| <i>FECH</i> | -0.5602229 | 2.48E-28 | 4.69E-24 |
| <i>KIAA0913</i> | -0.560319 | 2.42E-28 | 4.58E-24 |
| <i>PLAC2</i> | -0.560343 | 2.41E-28 | 4.55E-24 |
| <i>OSR1</i> | -0.5604335 | 2.35E-28 | 4.44E-24 |
| <i>SYT9</i> | -0.5605758 | 2.26E-28 | 4.27E-24 |
| <i>NEFL</i> | -0.560586 | 2.25E-28 | 4.26E-24 |
| <i>INPP5K</i> | -0.5607718 | 2.15E-28 | 4.06E-24 |
| <i>MAST2</i> | -0.5608515 | 2.10E-28 | 3.97E-24 |
| <i>P2RY12</i> | -0.5609118 | 2.07E-28 | 3.91E-24 |
| <i>NAP1L2</i> | -0.5609285 | 2.06E-28 | 3.89E-24 |
| <i>MEF2D</i> | -0.5612323 | 1.90E-28 | 3.59E-24 |
| <i>PI4KA</i> | -0.5614297 | 1.80E-28 | 3.41E-24 |
| <i>BTBD3</i> | -0.5614444 | 1.79E-28 | 3.39E-24 |
| <i>PIRT</i> | -0.5616173 | 1.71E-28 | 3.24E-24 |
| <i>CFP</i> | -0.5617721 | 1.64E-28 | 3.11E-24 |
| <i>C16orf89</i> | -0.5618145 | 1.62E-28 | 3.07E-24 |
| <i>ALK</i> | -0.5618393 | 1.61E-28 | 3.05E-24 |
| <i>MCF2L2</i> | -0.5620494 | 1.52E-28 | 2.89E-24 |
| <i>AVPR1B</i> | -0.5621278 | 1.49E-28 | 2.83E-24 |
| <i>KIAA1737</i> | -0.5621869 | 1.47E-28 | 2.78E-24 |
| <i>MGAT1</i> | -0.5624684 | 1.36E-28 | 2.58E-24 |
| <i>MVP</i> | -0.5628177 | 1.24E-28 | 2.35E-24 |
| <i>PLAC9</i> | -0.5629666 | 1.19E-28 | 2.26E-24 |
| <i>LY9</i> | -0.5630631 | 1.16E-28 | 2.20E-24 |
| <i>SGK269</i> | -0.5630822 | 1.16E-28 | 2.19E-24 |
| <i>FLNB</i> | -0.5631241 | 1.14E-28 | 2.16E-24 |
| <i>CAPN5</i> | -0.5634398 | 1.05E-28 | 1.99E-24 |
| <i>PTGER4</i> | -0.5634613 | 1.04E-28 | 1.98E-24 |
| <i>SH2D6</i> | -0.56374 | 9.68E-29 | 1.83E-24 |
| <i>TMEM63B</i> | -0.5639525 | 9.14E-29 | 1.73E-24 |
| <i>PPM1L</i> | -0.5645066 | 7.87E-29 | 1.49E-24 |
| <i>LRRC7</i> | -0.5645115 | 7.86E-29 | 1.49E-24 |
| <i>MUSTN1</i> | -0.5648342 | 7.20E-29 | 1.37E-24 |
| <i>CCDC69</i> | -0.5648721 | 7.13E-29 | 1.35E-24 |
| <i>TNFRSF17</i> | -0.5651179 | 6.67E-29 | 1.27E-24 |
| <i>MAB21L1</i> | -0.5651368 | 6.64E-29 | 1.26E-24 |
| <i>C1orf115</i> | -0.565179 | 6.56E-29 | 1.24E-24 |
| <i>SLC8A3</i> | -0.5652371 | 6.46E-29 | 1.23E-24 |

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|-------------------|------------|----------|----------|
| <i>CPM</i> | -0.5653486 | 6.27E-29 | 1.19E-24 |
| <i>PRPH</i> | -0.5656374 | 5.80E-29 | 1.10E-24 |
| <i>CHAD</i> | -0.5656661 | 5.75E-29 | 1.09E-24 |
| <i>HPGDS</i> | -0.5658829 | 5.42E-29 | 1.03E-24 |
| <i>UGCG</i> | -0.5658996 | 5.40E-29 | 1.02E-24 |
| <i>CBX7</i> | -0.5659308 | 5.35E-29 | 1.02E-24 |
| <i>LIMA1</i> | -0.565976 | 5.29E-29 | 1.00E-24 |
| <i>TEF</i> | -0.5660515 | 5.18E-29 | 9.83E-25 |
| <i>CIDEB</i> | -0.5662096 | 4.96E-29 | 9.42E-25 |
| <i>PCDH11X</i> | -0.5662341 | 4.93E-29 | 9.35E-25 |
| <i>LDHD</i> | -0.5665241 | 4.55E-29 | 8.65E-25 |
| <i>GBA3</i> | -0.5666079 | 4.45E-29 | 8.45E-25 |
| <i>GSG1L</i> | -0.5666866 | 4.36E-29 | 8.28E-25 |
| <i>AMICA1</i> | -0.566896 | 4.12E-29 | 7.82E-25 |
| <i>BCL2</i> | -0.5669662 | 4.04E-29 | 7.67E-25 |
| <i>MYOM1</i> | -0.5670648 | 3.93E-29 | 7.47E-25 |
| <i>NUDT16</i> | -0.5671226 | 3.87E-29 | 7.35E-25 |
| <i>CTSD</i> | -0.5671495 | 3.84E-29 | 7.30E-25 |
| <i>C1orf201</i> | -0.5674373 | 3.55E-29 | 6.75E-25 |
| <i>CLEC10A</i> | -0.5676466 | 3.35E-29 | 6.37E-25 |
| <i>NTN1</i> | -0.5677338 | 3.28E-29 | 6.22E-25 |
| <i>SIGLEC11</i> | -0.5678179 | 3.20E-29 | 6.08E-25 |
| <i>KLF9</i> | -0.5678525 | 3.17E-29 | 6.03E-25 |
| <i>CNTN1</i> | -0.568232 | 2.86E-29 | 5.43E-25 |
| <i>B4GALNT2</i> | -0.5685281 | 2.64E-29 | 5.01E-25 |
| <i>PDZD4</i> | -0.5686981 | 2.52E-29 | 4.78E-25 |
| <i>BAI3</i> | -0.568733 | 2.49E-29 | 4.74E-25 |
| <i>TMEM100</i> | -0.5688576 | 2.41E-29 | 4.58E-25 |
| <i>NCOA4</i> | -0.5688653 | 2.40E-29 | 4.57E-25 |
| <i>GIMAP8</i> | -0.5690822 | 2.26E-29 | 4.31E-25 |
| <i>CAB39</i> | -0.5691641 | 2.21E-29 | 4.21E-25 |
| <i>DKFZp779M6</i> | -0.5692506 | 2.16E-29 | 4.11E-25 |
| <i>PKIB</i> | -0.5694257 | 2.06E-29 | 3.92E-25 |
| <i>PGM1</i> | -0.5694377 | 2.05E-29 | 3.91E-25 |
| <i>KIAA1211</i> | -0.5697949 | 1.86E-29 | 3.54E-25 |
| <i>FIGF</i> | -0.5698284 | 1.84E-29 | 3.51E-25 |
| <i>RAPGEF1</i> | -0.5701987 | 1.67E-29 | 3.17E-25 |
| <i>RCSD1</i> | -0.5703861 | 1.58E-29 | 3.01E-25 |
| <i>LTC4S</i> | -0.5705561 | 1.51E-29 | 2.87E-25 |
| <i>C1orf150</i> | -0.5705602 | 1.51E-29 | 2.87E-25 |
| <i>AGPAT9</i> | -0.570714 | 1.45E-29 | 2.75E-25 |
| <i>ADORA3</i> | -0.5707386 | 1.44E-29 | 2.73E-25 |
| <i>SMCR8</i> | -0.5708145 | 1.41E-29 | 2.68E-25 |
| <i>TLR9</i> | -0.5709014 | 1.37E-29 | 2.61E-25 |
| <i>MYOC</i> | -0.5709796 | 1.34E-29 | 2.56E-25 |
| <i>PDE5A</i> | -0.5711557 | 1.28E-29 | 2.44E-25 |
| <i>MFNG</i> | -0.5711972 | 1.26E-29 | 2.41E-25 |
| <i>PI16</i> | -0.57132 | 1.22E-29 | 2.33E-25 |
| <i>AGXT2L2</i> | -0.5713839 | 1.20E-29 | 2.29E-25 |
| <i>FOLR2</i> | -0.5714136 | 1.19E-29 | 2.27E-25 |
| <i>PPM1A</i> | -0.5715164 | 1.16E-29 | 2.21E-25 |

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| <i>NCOA1</i> | -0.571803 | 1.07E-29 | 2.04E-25 |
| <i>PPAP2B</i> | -0.5722814 | 9.37E-30 | 1.79E-25 |
| <i>LPP</i> | -0.5723281 | 9.25E-30 | 1.76E-25 |
| <i>FAM102A</i> | -0.5723846 | 9.10E-30 | 1.74E-25 |
| <i>CLSTN1</i> | -0.5729925 | 7.69E-30 | 1.47E-25 |
| <i>GRIK3</i> | -0.5731062 | 7.45E-30 | 1.42E-25 |
| <i>HOXD1</i> | -0.5731167 | 7.43E-30 | 1.42E-25 |
| <i>FEV</i> | -0.5731259 | 7.41E-30 | 1.41E-25 |
| <i>EIF2AK3</i> | -0.5732199 | 7.22E-30 | 1.38E-25 |
| <i>DNAJC28</i> | -0.5733405 | 6.98E-30 | 1.33E-25 |
| <i>PPAP2A</i> | -0.573555 | 6.57E-30 | 1.25E-25 |
| <i>ZSWIM6</i> | -0.5736483 | 6.40E-30 | 1.22E-25 |
| <i>USP2</i> | -0.5736537 | 6.39E-30 | 1.22E-25 |
| <i>FLVCR2</i> | -0.573898 | 5.97E-30 | 1.14E-25 |
| <i>RREB1</i> | -0.5739449 | 5.90E-30 | 1.13E-25 |
| <i>MPEG1</i> | -0.5740063 | 5.80E-30 | 1.11E-25 |
| <i>ASTN1</i> | -0.5741586 | 5.55E-30 | 1.06E-25 |
| <i>CDH10</i> | -0.5743838 | 5.22E-30 | 9.96E-26 |
| <i>UBA7</i> | -0.5744744 | 5.09E-30 | 9.71E-26 |
| <i>ATP6VOD1</i> | -0.574665 | 4.82E-30 | 9.21E-26 |
| <i>ANKRD13A</i> | -0.5748381 | 4.59E-30 | 8.78E-26 |
| <i>STAB2</i> | -0.5749545 | 4.45E-30 | 8.50E-26 |
| <i>DMRTA1</i> | -0.5750515 | 4.33E-30 | 8.27E-26 |
| <i>TRAK2</i> | -0.5753189 | 4.01E-30 | 7.67E-26 |
| <i>MAST3</i> | -0.5754214 | 3.90E-30 | 7.46E-26 |
| <i>ALDH6A1</i> | -0.5757975 | 3.51E-30 | 6.71E-26 |
| <i>SLC9A9</i> | -0.5760619 | 3.26E-30 | 6.23E-26 |
| <i>CPT2</i> | -0.5761175 | 3.21E-30 | 6.14E-26 |
| <i>METTL7A</i> | -0.5761838 | 3.15E-30 | 6.02E-26 |
| <i>SYT10</i> | -0.5763359 | 3.02E-30 | 5.77E-26 |
| <i>FCGBP</i> | -0.576399 | 2.96E-30 | 5.67E-26 |
| <i>DAB2IP</i> | -0.5764076 | 2.96E-30 | 5.66E-26 |
| <i>APPL2</i> | -0.576501 | 2.88E-30 | 5.51E-26 |
| <i>ITM2C</i> | -0.5765753 | 2.82E-30 | 5.40E-26 |
| <i>SDHA</i> | -0.5767272 | 2.70E-30 | 5.17E-26 |
| <i>ZADH2</i> | -0.5769002 | 2.57E-30 | 4.92E-26 |
| <i>LETM1</i> | -0.5775138 | 2.16E-30 | 4.14E-26 |
| <i>CUX2</i> | -0.5780523 | 1.86E-30 | 3.56E-26 |
| <i>LIFR</i> | -0.5780666 | 1.85E-30 | 3.54E-26 |
| <i>P2RY4</i> | -0.5781301 | 1.82E-30 | 3.48E-26 |
| <i>PADI2</i> | -0.5782154 | 1.78E-30 | 3.40E-26 |
| <i>CAPN2</i> | -0.5783569 | 1.71E-30 | 3.26E-26 |
| <i>ADRA1A</i> | -0.5784388 | 1.67E-30 | 3.19E-26 |
| <i>CLEC4G</i> | -0.578468 | 1.65E-30 | 3.16E-26 |
| <i>ARHGEF37</i> | -0.5785607 | 1.61E-30 | 3.08E-26 |
| <i>ELAVL4</i> | -0.5788331 | 1.49E-30 | 2.85E-26 |
| <i>KIAA2022</i> | -0.5788633 | 1.48E-30 | 2.83E-26 |
| <i>MBP</i> | -0.5790047 | 1.42E-30 | 2.72E-26 |
| <i>CRK</i> | -0.5792119 | 1.34E-30 | 2.56E-26 |
| <i>PDE2A</i> | -0.5793529 | 1.29E-30 | 2.46E-26 |
| <i>FRMD4B</i> | -0.579522 | 1.23E-30 | 2.35E-26 |

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| <i>CNR1</i> | -0.5795621 | 1.21E-30 | 2.32E-26 |
| <i>SLC30A10</i> | -0.5798156 | 1.13E-30 | 2.16E-26 |
| <i>WDR37</i> | -0.5798445 | 1.12E-30 | 2.14E-26 |
| <i>SLCO2A1</i> | -0.5799258 | 1.09E-30 | 2.09E-26 |
| <i>HTR3E</i> | -0.5801107 | 1.04E-30 | 1.99E-26 |
| <i>SHROOM3</i> | -0.5802134 | 1.01E-30 | 1.93E-26 |
| <i>CFD</i> | -0.5802657 | 9.91E-31 | 1.90E-26 |
| <i>MTF1</i> | -0.5802688 | 9.91E-31 | 1.90E-26 |
| <i>HSD17B2</i> | -0.5803364 | 9.72E-31 | 1.86E-26 |
| <i>PHOX2B</i> | -0.5809124 | 8.24E-31 | 1.58E-26 |
| <i>JPH4</i> | -0.5809323 | 8.20E-31 | 1.57E-26 |
| <i>VWA3B</i> | -0.5810036 | 8.03E-31 | 1.54E-26 |
| <i>NEDD4L</i> | -0.5810769 | 7.86E-31 | 1.51E-26 |
| <i>TCP11L2</i> | -0.5812654 | 7.45E-31 | 1.43E-26 |
| <i>MTMR10</i> | -0.5814699 | 7.03E-31 | 1.35E-26 |
| <i>SLC30A8</i> | -0.5815341 | 6.90E-31 | 1.32E-26 |
| <i>MFN2</i> | -0.5817349 | 6.51E-31 | 1.25E-26 |
| <i>HADHB</i> | -0.5817596 | 6.47E-31 | 1.24E-26 |
| <i>PTPRF</i> | -0.5818486 | 6.31E-31 | 1.21E-26 |
| <i>CLDN23</i> | -0.5820978 | 5.87E-31 | 1.13E-26 |
| <i>SYNJ1</i> | -0.5824105 | 5.37E-31 | 1.03E-26 |
| <i>DCTN1</i> | -0.5827189 | 4.91E-31 | 9.43E-27 |
| <i>CDKN2BAS</i> | -0.5828524 | 4.73E-31 | 9.07E-27 |
| <i>TNFRSF1A</i> | -0.5831843 | 4.30E-31 | 8.25E-27 |
| <i>PMP2</i> | -0.5833535 | 4.09E-31 | 7.86E-27 |
| <i>NEFM</i> | -0.58348 | 3.94E-31 | 7.58E-27 |
| <i>SGK1</i> | -0.5834891 | 3.93E-31 | 7.56E-27 |
| <i>SCN9A</i> | -0.583526 | 3.89E-31 | 7.48E-27 |
| <i>FAM161B</i> | -0.5835673 | 3.85E-31 | 7.39E-27 |
| <i>TBC1D10A</i> | -0.5838498 | 3.55E-31 | 6.81E-27 |
| <i>C16orf54</i> | -0.5838697 | 3.53E-31 | 6.77E-27 |
| <i>SESN2</i> | -0.5839889 | 3.41E-31 | 6.54E-27 |
| <i>ENTPD4</i> | -0.5839912 | 3.40E-31 | 6.54E-27 |
| <i>DKFZp761E1</i> | -0.5840358 | 3.36E-31 | 6.46E-27 |
| <i>CCDC68</i> | -0.5841769 | 3.23E-31 | 6.20E-27 |
| <i>LYVE1</i> | -0.5842127 | 3.19E-31 | 6.14E-27 |
| <i>ENTPD3</i> | -0.584383 | 3.04E-31 | 5.84E-27 |
| <i>STMN4</i> | -0.5845088 | 2.93E-31 | 5.63E-27 |
| <i>SPHKAP</i> | -0.5845445 | 2.90E-31 | 5.58E-27 |
| <i>OTUD7B</i> | -0.5847086 | 2.77E-31 | 5.32E-27 |
| <i>PKHD1L1</i> | -0.5849587 | 2.57E-31 | 4.95E-27 |
| <i>RASGRP4</i> | -0.5857235 | 2.06E-31 | 3.96E-27 |
| <i>EPB41L3</i> | -0.5857775 | 2.03E-31 | 3.90E-27 |
| <i>CD101</i> | -0.5858004 | 2.02E-31 | 3.88E-27 |
| <i>GFI1B</i> | -0.5865328 | 1.63E-31 | 3.13E-27 |
| <i>ADRB2</i> | -0.5865898 | 1.60E-31 | 3.08E-27 |
| <i>PYY</i> | -0.5866814 | 1.56E-31 | 3.00E-27 |
| <i>SECISBP2L</i> | -0.5867961 | 1.51E-31 | 2.90E-27 |
| <i>BCAR1</i> | -0.5868736 | 1.47E-31 | 2.84E-27 |
| <i>OCEL1</i> | -0.5870121 | 1.42E-31 | 2.73E-27 |
| <i>FER1L6</i> | -0.5870167 | 1.41E-31 | 2.72E-27 |

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| <i>SIPA1L2</i> | -0.5870373 | 1.41E-31 | 2.71E-27 |
| <i>MT2A</i> | -0.5871025 | 1.38E-31 | 2.65E-27 |
| <i>CASR</i> | -0.5871124 | 1.38E-31 | 2.65E-27 |
| <i>SMG6</i> | -0.5871738 | 1.35E-31 | 2.60E-27 |
| <i>MT1M</i> | -0.5876756 | 1.17E-31 | 2.25E-27 |
| <i>RDH5</i> | -0.5879487 | 1.08E-31 | 2.07E-27 |
| <i>FGFR2</i> | -0.5880877 | 1.03E-31 | 1.99E-27 |
| <i>FGL2</i> | -0.5883416 | 9.60E-32 | 1.85E-27 |
| <i>PRIMA1</i> | -0.5883787 | 9.49E-32 | 1.83E-27 |
| <i>MBD1</i> | -0.5883904 | 9.46E-32 | 1.82E-27 |
| <i>FICD</i> | -0.5885871 | 8.93E-32 | 1.72E-27 |
| <i>PLCG2</i> | -0.588588 | 8.93E-32 | 1.72E-27 |
| <i>ANPEP</i> | -0.5886152 | 8.86E-32 | 1.71E-27 |
| <i>ZBTB7C</i> | -0.5888903 | 8.17E-32 | 1.57E-27 |
| <i>TMCC3</i> | -0.5889011 | 8.14E-32 | 1.57E-27 |
| <i>MAS1L</i> | -0.5890552 | 7.78E-32 | 1.50E-27 |
| <i>CD163L1</i> | -0.5892695 | 7.31E-32 | 1.41E-27 |
| <i>TNRC6B</i> | -0.5896572 | 6.52E-32 | 1.26E-27 |
| <i>IRF4</i> | -0.5897489 | 6.35E-32 | 1.22E-27 |
| <i>FAM46A</i> | -0.5901432 | 5.65E-32 | 1.09E-27 |
| <i>LOC283267</i> | -0.5902085 | 5.54E-32 | 1.07E-27 |
| <i>ADHFE1</i> | -0.5903383 | 5.33E-32 | 1.03E-27 |
| <i>MIER1</i> | -0.5903614 | 5.30E-32 | 1.02E-27 |
| <i>NCOR1</i> | -0.5904067 | 5.23E-32 | 1.01E-27 |
| <i>STX12</i> | -0.5905079 | 5.07E-32 | 9.79E-28 |
| <i>FAM129A</i> | -0.5905081 | 5.07E-32 | 9.79E-28 |
| <i>GPT</i> | -0.5905311 | 5.04E-32 | 9.72E-28 |
| <i>C4orf34</i> | -0.5912648 | 4.06E-32 | 7.83E-28 |
| <i>MAMDC2</i> | -0.5915199 | 3.76E-32 | 7.26E-28 |
| <i>KIAA1522</i> | -0.5915939 | 3.68E-32 | 7.10E-28 |
| <i>UGP2</i> | -0.5917076 | 3.56E-32 | 6.86E-28 |
| <i>SYT15</i> | -0.5917388 | 3.52E-32 | 6.80E-28 |
| <i>MOBP</i> | -0.5917609 | 3.50E-32 | 6.76E-28 |
| <i>ZFYVE28</i> | -0.5918833 | 3.38E-32 | 6.52E-28 |
| <i>TMEM220</i> | -0.5921953 | 3.08E-32 | 5.94E-28 |
| <i>RXRG</i> | -0.5922086 | 3.06E-32 | 5.92E-28 |
| <i>EIF4E3</i> | -0.5933546 | 2.18E-32 | 4.21E-28 |
| <i>MGLL</i> | -0.5937059 | 1.96E-32 | 3.79E-28 |
| <i>FRMD3</i> | -0.5938003 | 1.91E-32 | 3.68E-28 |
| <i>ECE1</i> | -0.5941268 | 1.73E-32 | 3.34E-28 |
| <i>SYNPO</i> | -0.5941451 | 1.72E-32 | 3.32E-28 |
| <i>PTGS1</i> | -0.5941459 | 1.72E-32 | 3.32E-28 |
| <i>B3GALT5</i> | -0.5943539 | 1.62E-32 | 3.12E-28 |
| <i>WISP2</i> | -0.5947058 | 1.45E-32 | 2.81E-28 |
| <i>MPPE1</i> | -0.5947582 | 1.43E-32 | 2.77E-28 |
| <i>MAGEE2</i> | -0.5948477 | 1.39E-32 | 2.69E-28 |
| <i>NRG2</i> | -0.5953605 | 1.19E-32 | 2.31E-28 |
| <i>FAM107A</i> | -0.5953636 | 1.19E-32 | 2.31E-28 |
| <i>LUZP1</i> | -0.5954146 | 1.18E-32 | 2.27E-28 |
| <i>PLP1</i> | -0.5955149 | 1.14E-32 | 2.21E-28 |
| <i>STOX2</i> | -0.5955779 | 1.12E-32 | 2.16E-28 |

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| <i>JOSD1</i> | -0.595634 | 1.10E-32 | 2.13E-28 |
| <i>C8orf80</i> | -0.595665 | 1.09E-32 | 2.11E-28 |
| <i>ARPP21</i> | -0.5957403 | 1.07E-32 | 2.06E-28 |
| <i>GIMAP1</i> | -0.5959614 | 9.97E-33 | 1.93E-28 |
| <i>C12orf72</i> | -0.5961969 | 9.29E-33 | 1.80E-28 |
| <i>C10orf26</i> | -0.5966481 | 8.11E-33 | 1.57E-28 |
| <i>FGD4</i> | -0.5969027 | 7.51E-33 | 1.45E-28 |
| <i>CCBP2</i> | -0.5970768 | 7.12E-33 | 1.38E-28 |
| <i>PJA2</i> | -0.5972144 | 6.83E-33 | 1.32E-28 |
| <i>CASP7</i> | -0.5974781 | 6.31E-33 | 1.22E-28 |
| <i>SST</i> | -0.5975346 | 6.20E-33 | 1.20E-28 |
| <i>ANGPTL7</i> | -0.5976067 | 6.07E-33 | 1.18E-28 |
| <i>ZNF407</i> | -0.5979687 | 5.44E-33 | 1.05E-28 |
| <i>PHLPP2</i> | -0.5980856 | 5.25E-33 | 1.02E-28 |
| <i>HTR7</i> | -0.5983697 | 4.82E-33 | 9.33E-29 |
| <i>MYOT</i> | -0.5984257 | 4.73E-33 | 9.17E-29 |
| <i>C15orf38</i> | -0.5985092 | 4.62E-33 | 8.94E-29 |
| <i>SCN11A</i> | -0.5985528 | 4.55E-33 | 8.83E-29 |
| <i>BMX</i> | -0.5987098 | 4.34E-33 | 8.42E-29 |
| <i>NRXN1</i> | -0.5987289 | 4.32E-33 | 8.37E-29 |
| <i>TMEM140</i> | -0.5990817 | 3.88E-33 | 7.52E-29 |
| <i>SYNJ2BP</i> | -0.5994679 | 3.45E-33 | 6.68E-29 |
| <i>LOC389333</i> | -0.5994909 | 3.42E-33 | 6.64E-29 |
| <i>PRKG2</i> | -0.5996188 | 3.29E-33 | 6.38E-29 |
| <i>SGCG</i> | -0.5996229 | 3.29E-33 | 6.38E-29 |
| <i>ATP8B1</i> | -0.5997713 | 3.14E-33 | 6.10E-29 |
| <i>CMTM5</i> | -0.6001108 | 2.83E-33 | 5.50E-29 |
| <i>CNGB1</i> | -0.6001671 | 2.79E-33 | 5.40E-29 |
| <i>MTHFR</i> | -0.600539 | 2.49E-33 | 4.82E-29 |
| <i>STAB1</i> | -0.600622 | 2.42E-33 | 4.70E-29 |
| <i>PRKCB</i> | -0.6007405 | 2.34E-33 | 4.53E-29 |
| <i>C10orf105</i> | -0.6008239 | 2.28E-33 | 4.42E-29 |
| <i>SCARA5</i> | -0.6009791 | 2.17E-33 | 4.22E-29 |
| <i>FAM151A</i> | -0.6012717 | 1.99E-33 | 3.85E-29 |
| <i>CADM3</i> | -0.6015909 | 1.80E-33 | 3.50E-29 |
| <i>CMA1</i> | -0.6016473 | 1.77E-33 | 3.44E-29 |
| <i>SNRK</i> | -0.6017236 | 1.73E-33 | 3.36E-29 |
| <i>TEX11</i> | -0.6017712 | 1.70E-33 | 3.31E-29 |
| <i>ARSA</i> | -0.6017943 | 1.69E-33 | 3.28E-29 |
| <i>CD177</i> | -0.6018202 | 1.68E-33 | 3.26E-29 |
| <i>SOCS6</i> | -0.6022343 | 1.48E-33 | 2.87E-29 |
| <i>ABCA8</i> | -0.6022616 | 1.47E-33 | 2.85E-29 |
| <i>ZDHHC7</i> | -0.6026866 | 1.29E-33 | 2.50E-29 |
| <i>BEND4</i> | -0.6031814 | 1.10E-33 | 2.14E-29 |
| <i>SMCHD1</i> | -0.6031947 | 1.10E-33 | 2.13E-29 |
| <i>GNG7</i> | -0.603206 | 1.09E-33 | 2.13E-29 |
| <i>PTPRH</i> | -0.603244 | 1.08E-33 | 2.10E-29 |
| <i>ERVFRDE1</i> | -0.6036358 | 9.59E-34 | 1.86E-29 |
| <i>SLC36A1</i> | -0.6041438 | 8.19E-34 | 1.59E-29 |
| <i>CA7</i> | -0.6046654 | 6.97E-34 | 1.35E-29 |
| <i>PDE7B</i> | -0.6051148 | 6.06E-34 | 1.18E-29 |

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| <i>PKNOX2</i> | -0.6052541 | 5.80E-34 | 1.13E-29 |
| <i>ABCA9</i> | -0.6054111 | 5.53E-34 | 1.07E-29 |
| <i>LHFPL2</i> | -0.6054499 | 5.46E-34 | 1.06E-29 |
| <i>TNIP1</i> | -0.6054642 | 5.44E-34 | 1.06E-29 |
| <i>SIPA1L3</i> | -0.6055709 | 5.26E-34 | 1.02E-29 |
| <i>LRMP</i> | -0.6056244 | 5.17E-34 | 1.01E-29 |
| <i>MAPK7</i> | -0.6056264 | 5.17E-34 | 1.01E-29 |
| <i>FGFBP2</i> | -0.6057528 | 4.97E-34 | 9.66E-30 |
| <i>SMPDL3A</i> | -0.6058741 | 4.78E-34 | 9.31E-30 |
| <i>SCGN</i> | -0.6059538 | 4.67E-34 | 9.08E-30 |
| <i>ELANE</i> | -0.6059546 | 4.67E-34 | 9.08E-30 |
| <i>RGPI</i> | -0.6059869 | 4.62E-34 | 8.99E-30 |
| <i>SUN2</i> | -0.6060045 | 4.59E-34 | 8.94E-30 |
| <i>C14orf139</i> | -0.6061668 | 4.37E-34 | 8.50E-30 |
| <i>PPARD</i> | -0.606485 | 3.95E-34 | 7.70E-30 |
| <i>TLR3</i> | -0.6066818 | 3.72E-34 | 7.24E-30 |
| <i>HEATR5A</i> | -0.6067183 | 3.68E-34 | 7.15E-30 |
| <i>PPP1R16B</i> | -0.6070895 | 3.27E-34 | 6.37E-30 |
| <i>UGDH</i> | -0.607148 | 3.21E-34 | 6.26E-30 |
| <i>C17orf59</i> | -0.6075659 | 2.82E-34 | 5.49E-30 |
| <i>RXRA</i> | -0.6085913 | 2.04E-34 | 3.98E-30 |
| <i>P2RX1</i> | -0.6087628 | 1.93E-34 | 3.77E-30 |
| <i>UNC5C</i> | -0.6088235 | 1.90E-34 | 3.70E-30 |
| <i>NCRNA0009</i> | -0.6089893 | 1.80E-34 | 3.51E-30 |
| <i>FUCA1</i> | -0.6094284 | 1.57E-34 | 3.06E-30 |
| <i>VPS13D</i> | -0.6099233 | 1.34E-34 | 2.61E-30 |
| <i>DOCK5</i> | -0.6100404 | 1.29E-34 | 2.52E-30 |
| <i>GRIK1</i> | -0.6100813 | 1.28E-34 | 2.49E-30 |
| <i>MINK1</i> | -0.6105399 | 1.10E-34 | 2.15E-30 |
| <i>NFE2L1</i> | -0.6107871 | 1.02E-34 | 1.99E-30 |
| <i>ABHD3</i> | -0.6110911 | 9.26E-35 | 1.81E-30 |
| <i>LRRN2</i> | -0.6111073 | 9.22E-35 | 1.80E-30 |
| <i>RERGL</i> | -0.6120773 | 6.77E-35 | 1.32E-30 |
| <i>KCNA3</i> | -0.612193 | 6.52E-35 | 1.27E-30 |
| <i>RIOK3</i> | -0.612248 | 6.41E-35 | 1.25E-30 |
| <i>VPS4B</i> | -0.6126366 | 5.66E-35 | 1.11E-30 |
| <i>KHDRBS2</i> | -0.6127587 | 5.45E-35 | 1.06E-30 |
| <i>BEST4</i> | -0.612763 | 5.44E-35 | 1.06E-30 |
| <i>ARHGAP20</i> | -0.6127914 | 5.39E-35 | 1.05E-30 |
| <i>P2RX2</i> | -0.6128521 | 5.29E-35 | 1.03E-30 |
| <i>GPR44</i> | -0.6129224 | 5.17E-35 | 1.01E-30 |
| <i>EPAS1</i> | -0.6129477 | 5.13E-35 | 1.00E-30 |
| <i>ITGB7</i> | -0.6132967 | 4.59E-35 | 8.95E-31 |
| <i>NBPF1</i> | -0.6134432 | 4.38E-35 | 8.54E-31 |
| <i>C1orf186</i> | -0.614042 | 3.61E-35 | 7.05E-31 |
| <i>IL16</i> | -0.6142392 | 3.39E-35 | 6.62E-31 |
| <i>LILRB5</i> | -0.6148578 | 2.78E-35 | 5.43E-31 |
| <i>BCAR3</i> | -0.6150319 | 2.63E-35 | 5.13E-31 |
| <i>ETFDH</i> | -0.6158434 | 2.02E-35 | 3.95E-31 |
| <i>TP53INP2</i> | -0.6160584 | 1.89E-35 | 3.69E-31 |
| <i>CASZ1</i> | -0.6160758 | 1.88E-35 | 3.66E-31 |

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| <i>CD209</i> | -0.6160854 | 1.87E-35 | 3.65E-31 |
| <i>GNAI3</i> | -0.6161744 | 1.82E-35 | 3.55E-31 |
| <i>SEC1</i> | -0.6162922 | 1.75E-35 | 3.42E-31 |
| <i>MTMR3</i> | -0.6163754 | 1.70E-35 | 3.33E-31 |
| <i>TNFRSF13B</i> | -0.6163868 | 1.70E-35 | 3.31E-31 |
| <i>FAM114A1</i> | -0.6165256 | 1.62E-35 | 3.17E-31 |
| <i>AKAP13</i> | -0.617649 | 1.13E-35 | 2.20E-31 |
| <i>ATP9B</i> | -0.6177762 | 1.08E-35 | 2.11E-31 |
| <i>NPY2R</i> | -0.6189833 | 7.29E-36 | 1.43E-31 |
| <i>KLF13</i> | -0.6195764 | 6.00E-36 | 1.17E-31 |
| <i>ZMIZ1</i> | -0.6201455 | 4.98E-36 | 9.75E-32 |
| <i>GUCA2B</i> | -0.620759 | 4.07E-36 | 7.97E-32 |
| <i>KAT2B</i> | -0.6209718 | 3.80E-36 | 7.43E-32 |
| <i>MSMP</i> | -0.6212235 | 3.50E-36 | 6.84E-32 |
| <i>ABCG2</i> | -0.6212841 | 3.43E-36 | 6.71E-32 |
| <i>DAO</i> | -0.6217706 | 2.92E-36 | 5.72E-32 |
| <i>CTNND2</i> | -0.6219023 | 2.79E-36 | 5.47E-32 |
| <i>C2orf88</i> | -0.6223326 | 2.42E-36 | 4.75E-32 |
| <i>SSTR3</i> | -0.6226549 | 2.18E-36 | 4.27E-32 |
| <i>LITAF</i> | -0.6227178 | 2.13E-36 | 4.18E-32 |
| <i>VIT</i> | -0.6227454 | 2.11E-36 | 4.14E-32 |
| <i>TEP1</i> | -0.6228538 | 2.04E-36 | 4.00E-32 |
| <i>ANKFY1</i> | -0.6234708 | 1.66E-36 | 3.26E-32 |
| <i>FAM46C</i> | -0.6242661 | 1.28E-36 | 2.50E-32 |
| <i>FLII</i> | -0.6243666 | 1.23E-36 | 2.42E-32 |
| <i>SH2D7</i> | -0.6245946 | 1.14E-36 | 2.24E-32 |
| <i>MMP28</i> | -0.6249114 | 1.03E-36 | 2.02E-32 |
| <i>ASPA</i> | -0.6249875 | 1.00E-36 | 1.97E-32 |
| <i>RNASEL</i> | -0.6250748 | 9.75E-37 | 1.91E-32 |
| <i>NBEAL1</i> | -0.6251971 | 9.36E-37 | 1.83E-32 |
| <i>CCR10</i> | -0.625501 | 8.45E-37 | 1.66E-32 |
| <i>CDC42EP4</i> | -0.6255937 | 8.19E-37 | 1.61E-32 |
| <i>MUSK</i> | -0.6260694 | 6.99E-37 | 1.37E-32 |
| <i>GNPTAB</i> | -0.6264107 | 6.23E-37 | 1.22E-32 |
| <i>AADAACL2</i> | -0.6270218 | 5.08E-37 | 9.96E-33 |
| <i>LTBP4</i> | -0.6277934 | 3.91E-37 | 7.68E-33 |
| <i>ATP2A3</i> | -0.6283234 | 3.27E-37 | 6.42E-33 |
| <i>GBF1</i> | -0.6285895 | 2.99E-37 | 5.87E-33 |
| <i>RELL1</i> | -0.6290424 | 2.57E-37 | 5.04E-33 |
| <i>CLEC3B</i> | -0.6292261 | 2.41E-37 | 4.73E-33 |
| <i>ACO2</i> | -0.6295952 | 2.13E-37 | 4.18E-33 |
| <i>P2RY1</i> | -0.6296529 | 2.09E-37 | 4.10E-33 |
| <i>PAFAH1B1</i> | -0.630092 | 1.80E-37 | 3.53E-33 |
| <i>HECTD3</i> | -0.6302012 | 1.73E-37 | 3.40E-33 |
| <i>TMEFF2</i> | -0.6303324 | 1.66E-37 | 3.25E-33 |
| <i>CD160</i> | -0.6304766 | 1.58E-37 | 3.10E-33 |
| <i>ADH1A</i> | -0.6312112 | 1.23E-37 | 2.41E-33 |
| <i>ENDOD1</i> | -0.6312185 | 1.22E-37 | 2.41E-33 |
| <i>KRT24</i> | -0.6315914 | 1.08E-37 | 2.12E-33 |
| <i>CTDP1</i> | -0.6317035 | 1.04E-37 | 2.04E-33 |
| <i>ZNF575</i> | -0.6319557 | 9.51E-38 | 1.87E-33 |

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| <i>KIAA1683</i> | -0.6319925 | 9.39E-38 | 1.85E-33 |
| <i>FNIP2</i> | -0.6324275 | 8.09E-38 | 1.59E-33 |
| <i>CA2</i> | -0.6331422 | 6.33E-38 | 1.24E-33 |
| <i>GCNT2</i> | -0.6339057 | 4.87E-38 | 9.57E-34 |
| <i>ST6GALNAC6</i> | -0.6339161 | 4.85E-38 | 9.54E-34 |
| <i>SLC4A4</i> | -0.6339163 | 4.85E-38 | 9.54E-34 |
| <i>FAM59A</i> | -0.6341283 | 4.51E-38 | 8.86E-34 |
| <i>CPNE5</i> | -0.6346586 | 3.75E-38 | 7.38E-34 |
| <i>TCN2</i> | -0.6347286 | 3.66E-38 | 7.21E-34 |
| <i>MAL</i> | -0.6347733 | 3.61E-38 | 7.10E-34 |
| <i>SLC2A13</i> | -0.6349362 | 3.41E-38 | 6.71E-34 |
| <i>ZFYVE1</i> | -0.6349445 | 3.40E-38 | 6.69E-34 |
| <i>PTPN21</i> | -0.6350453 | 3.28E-38 | 6.46E-34 |
| <i>FAM180B</i> | -0.6354068 | 2.90E-38 | 5.70E-34 |
| <i>SLC17A8</i> | -0.6356176 | 2.69E-38 | 5.30E-34 |
| <i>TXNDC11</i> | -0.6359562 | 2.39E-38 | 4.71E-34 |
| <i>TAT</i> | -0.6361377 | 2.25E-38 | 4.42E-34 |
| <i>AHNAK</i> | -0.6362965 | 2.13E-38 | 4.19E-34 |
| <i>PCSK2</i> | -0.6363303 | 2.10E-38 | 4.14E-34 |
| <i>PIGS</i> | -0.6366341 | 1.89E-38 | 3.72E-34 |
| <i>TMEM131</i> | -0.6375437 | 1.38E-38 | 2.71E-34 |
| <i>FOSL2</i> | -0.6375884 | 1.35E-38 | 2.67E-34 |
| <i>TNXB</i> | -0.6380724 | 1.14E-38 | 2.25E-34 |
| <i>SLC30A4</i> | -0.6381246 | 1.12E-38 | 2.21E-34 |
| <i>ACP2</i> | -0.6383346 | 1.04E-38 | 2.06E-34 |
| <i>CCL23</i> | -0.6384314 | 1.01E-38 | 1.99E-34 |
| <i>SCAMP2</i> | -0.6399056 | 6.00E-39 | 1.18E-34 |
| <i>MUL1</i> | -0.6400345 | 5.74E-39 | 1.13E-34 |
| <i>KIF1C</i> | -0.6400569 | 5.69E-39 | 1.12E-34 |
| <i>P2RX4</i> | -0.6408577 | 4.29E-39 | 8.46E-35 |
| <i>SLC17A7</i> | -0.6416432 | 3.25E-39 | 6.40E-35 |
| <i>CDKN2B</i> | -0.6419553 | 2.91E-39 | 5.73E-35 |
| <i>XKR4</i> | -0.6424151 | 2.47E-39 | 4.87E-35 |
| <i>SMPD1</i> | -0.6425169 | 2.38E-39 | 4.69E-35 |
| <i>NR3C2</i> | -0.6431044 | 1.93E-39 | 3.81E-35 |
| <i>CYTH1</i> | -0.643841 | 1.48E-39 | 2.93E-35 |
| <i>FAM189A2</i> | -0.6452448 | 8.97E-40 | 1.77E-35 |
| <i>AMPD1</i> | -0.6453642 | 8.59E-40 | 1.69E-35 |
| <i>CNNM2</i> | -0.6467549 | 5.20E-40 | 1.03E-35 |
| <i>CHAT</i> | -0.6469393 | 4.86E-40 | 9.60E-36 |
| <i>FBXW5</i> | -0.6469521 | 4.84E-40 | 9.56E-36 |
| <i>LRP10</i> | -0.6478776 | 3.46E-40 | 6.83E-36 |
| <i>RAB27A</i> | -0.6491152 | 2.21E-40 | 4.36E-36 |
| <i>LGI1</i> | -0.6492652 | 2.09E-40 | 4.12E-36 |
| <i>CHP</i> | -0.649768 | 1.74E-40 | 3.43E-36 |
| <i>SECTM1</i> | -0.6499466 | 1.63E-40 | 3.22E-36 |
| <i>KIAA0247</i> | -0.6506956 | 1.24E-40 | 2.44E-36 |
| <i>VSTM2A</i> | -0.6517269 | 8.46E-41 | 1.67E-36 |
| <i>PTK2B</i> | -0.6519778 | 7.71E-41 | 1.52E-36 |
| <i>RILP</i> | -0.6521884 | 7.14E-41 | 1.41E-36 |
| <i>ACADS</i> | -0.65306 | 5.17E-41 | 1.02E-36 |

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| <i>ASAP3</i> | -0.6530877 | 5.12E-41 | 1.01E-36 |
| <i>GSN</i> | -0.6531214 | 5.05E-41 | 9.99E-37 |
| <i>DHRS7C</i> | -0.6532795 | 4.77E-41 | 9.42E-37 |
| <i>SLC25A34</i> | -0.6534016 | 4.56E-41 | 9.01E-37 |
| <i>CPEB3</i> | -0.6534599 | 4.46E-41 | 8.82E-37 |
| <i>VAMP2</i> | -0.6536889 | 4.10E-41 | 8.10E-37 |
| <i>GLTP</i> | -0.6537601 | 3.99E-41 | 7.89E-37 |
| <i>DYRK2</i> | -0.653772 | 3.97E-41 | 7.85E-37 |
| <i>SLC22A23</i> | -0.6548372 | 2.67E-41 | 5.28E-37 |
| <i>GLP2R</i> | -0.6552622 | 2.28E-41 | 4.51E-37 |
| <i>PQLC1</i> | -0.6557989 | 1.86E-41 | 3.69E-37 |
| <i>TCP11L1</i> | -0.6582851 | 7.32E-42 | 1.45E-37 |
| <i>ENPP6</i> | -0.6614005 | 2.24E-42 | 4.44E-38 |
| <i>KIF13B</i> | -0.6618318 | 1.90E-42 | 3.76E-38 |
| <i>SPPL2A</i> | -0.6619435 | 1.82E-42 | 3.61E-38 |
| <i>TTC22</i> | -0.6655602 | 4.51E-43 | 8.93E-39 |
| <i>RIPK1</i> | -0.6657726 | 4.15E-43 | 8.23E-39 |
| <i>KLF4</i> | -0.6670088 | 2.56E-43 | 5.08E-39 |
| <i>RETSAT</i> | -0.6683039 | 1.54E-43 | 3.06E-39 |
| <i>TADA2B</i> | -0.670569 | 6.31E-44 | 1.25E-39 |
| <i>CY TSA</i> | -0.6710401 | 5.24E-44 | 1.04E-39 |
| <i>ADD1</i> | -0.6717655 | 3.92E-44 | 7.79E-40 |
| <i>8-Mar</i> | -0.6725453 | 2.88E-44 | 5.71E-40 |
| <i>ZBTB7B</i> | -0.6726767 | 2.73E-44 | 5.42E-40 |
| <i>PINK1</i> | -0.6727355 | 2.67E-44 | 5.29E-40 |
| <i>ZER1</i> | -0.6734056 | 2.04E-44 | 4.05E-40 |
| <i>STIM1</i> | -0.6740095 | 1.60E-44 | 3.18E-40 |
| <i>GFRA2</i> | -0.6743031 | 1.42E-44 | 2.82E-40 |
| <i>SPIB</i> | -0.6755484 | 8.61E-45 | 1.71E-40 |
| <i>MYO1C</i> | -0.6773906 | 4.08E-45 | 8.10E-41 |
| <i>ABCB11</i> | -0.6791973 | 1.95E-45 | 3.87E-41 |
| <i>ADCY9</i> | -0.6806346 | 1.08E-45 | 2.15E-41 |
| <i>PLCD1</i> | -0.6824667 | 5.06E-46 | 1.01E-41 |
| <i>KIAA0513</i> | -0.6828734 | 4.27E-46 | 8.49E-42 |
| <i>PLCL2</i> | -0.6837041 | 3.02E-46 | 6.01E-42 |
| <i>IL6R</i> | -0.6841356 | 2.52E-46 | 5.02E-42 |
| <i>OTOP3</i> | -0.6847051 | 1.99E-46 | 3.96E-42 |
| <i>CITED2</i> | -0.685251 | 1.58E-46 | 3.15E-42 |
| <i>PEX26</i> | -0.6853782 | 1.50E-46 | 2.98E-42 |
| <i>C14orf43</i> | -0.6861071 | 1.10E-46 | 2.20E-42 |
| <i>GNA11</i> | -0.6861549 | 1.08E-46 | 2.15E-42 |
| <i>OTOP2</i> | -0.6905777 | 1.65E-47 | 3.28E-43 |
| <i>FBLIM1</i> | -0.6921316 | 8.44E-48 | 1.68E-43 |
| <i>MOBKL2A</i> | -0.6958601 | 1.67E-48 | 3.32E-44 |
| <i>FAM135B</i> | -0.7004431 | 2.19E-49 | 4.36E-45 |
| <i>TOM1L2</i> | -0.702609 | 8.28E-50 | 1.65E-45 |
| <i>SIDT2</i> | -0.7097736 | 3.11E-51 | 6.21E-47 |
| <i>TRANK1</i> | -0.7129167 | 7.15E-52 | 1.43E-47 |
| <i>WDR7</i> | -0.7132396 | 6.14E-52 | 1.23E-47 |
| <i>SLC9A1</i> | -0.7151727 | 2.46E-52 | 4.91E-48 |
| <i>DHDDS</i> | -0.716681 | 1.20E-52 | 2.39E-48 |

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| <i>CAMTA2</i> | -0.7245507 | 2.59E-54 | 5.18E-50 |
| <i>RNF152</i> | -0.7326224 | 4.41E-56 | 8.82E-52 |
| <i>PACSIN2</i> | -0.7368276 | 4.98E-57 | 9.96E-53 |
| <i>TMEM127</i> | -0.7438764 | 1.17E-58 | 2.34E-54 |
| <i>C10orf54</i> | -0.764649 | 8.68E-64 | 1.74E-59 |
| <i>ZZEF1</i> | -0.7647511 | 8.17E-64 | 1.64E-59 |
| <i>OR8J1</i> | NA | NA | NA |
| <i>SNORD115-3</i> | NA | NA | NA |
| <i>OR6P1</i> | NA | NA | NA |
| <i>SNORD114-3</i> | NA | NA | NA |
| <i>SNORD114-2</i> | NA | NA | NA |
| <i>SNORD115-6</i> | NA | NA | NA |
| <i>SNORD115-5</i> | NA | NA | NA |
| <i>PISRT1</i> | NA | NA | NA |
| <i>SNORD115-4</i> | NA | NA | NA |
| <i>SNORD104</i> | NA | NA | NA |
| <i>SNORD115-3</i> | NA | NA | NA |
| <i>PRAMEF5</i> | NA | NA | NA |
| <i>PRAMEF2</i> | NA | NA | NA |
| <i>OR7G1</i> | NA | NA | NA |
| <i>PRAMEF9</i> | NA | NA | NA |
| <i>SNORD38A</i> | NA | NA | NA |
| <i>OR8U1</i> | NA | NA | NA |
| <i>KRTAP19-2</i> | NA | NA | NA |
| <i>KRTAP19-1</i> | NA | NA | NA |
| <i>KRTAP19-6</i> | NA | NA | NA |
| <i>KRTAP19-7</i> | NA | NA | NA |
| <i>KRTAP19-4</i> | NA | NA | NA |
| <i>SNORD114-3</i> | NA | NA | NA |
| <i>OR10A7</i> | NA | NA | NA |
| <i>OR11G2</i> | NA | NA | NA |
| <i>OR5R1</i> | NA | NA | NA |
| <i>HBII-52-27</i> | NA | NA | NA |
| <i>SNORD11</i> | NA | NA | NA |
| <i>SNORD12</i> | NA | NA | NA |
| <i>C20orf71</i> | NA | NA | NA |
| <i>SNORD21</i> | NA | NA | NA |
| <i>SNORD20</i> | NA | NA | NA |
| <i>SNORD23</i> | NA | NA | NA |
| <i>SNORD25</i> | NA | NA | NA |
| <i>SNORD127</i> | NA | NA | NA |
| <i>SNORD124</i> | NA | NA | NA |
| <i>TTY17A</i> | NA | NA | NA |
| <i>SNORD115-3</i> | NA | NA | NA |
| <i>SNORD80</i> | NA | NA | NA |
| <i>TSPY3</i> | NA | NA | NA |
| <i>SNORD56B</i> | NA | NA | NA |
| <i>SNORD78</i> | NA | NA | NA |
| <i>PRR21</i> | NA | NA | NA |
| <i>PRAMEF17</i> | NA | NA | NA |
| <i>SNORD113-3</i> | NA | NA | NA |

| | | | |
|-------------------|----|----|----|
| <i>HSFX1</i> | NA | NA | NA |
| <i>SNORD96A</i> | NA | NA | NA |
| <i>SNORD119</i> | NA | NA | NA |
| <i>HBII-52-46</i> | NA | NA | NA |
| <i>HBII-52-45</i> | NA | NA | NA |
| <i>SNORD47</i> | NA | NA | NA |
| <i>SNORD4B</i> | NA | NA | NA |
| <i>SNORD4A</i> | NA | NA | NA |
| <i>SNORD116-2</i> | NA | NA | NA |
| <i>SNORD116-2</i> | NA | NA | NA |
| <i>SNORD116-2</i> | NA | NA | NA |
| <i>SNORD116-2</i> | NA | NA | NA |
| <i>RBM1B</i> | NA | NA | NA |
| <i>RBM1F</i> | NA | NA | NA |
| <i>OR52J3</i> | NA | NA | NA |
| <i>GRXCR1</i> | NA | NA | NA |
| <i>CSN1S2A</i> | NA | NA | NA |
| <i>DEFB121</i> | NA | NA | NA |
| <i>SNORD115-8</i> | NA | NA | NA |
| <i>OR6Q1</i> | NA | NA | NA |
| <i>SNORD67</i> | NA | NA | NA |
| <i>SNORD66</i> | NA | NA | NA |
| <i>HBII-52-28</i> | NA | NA | NA |
| <i>SNORD69</i> | NA | NA | NA |
| <i>SNORD68</i> | NA | NA | NA |
| <i>SNORD38B</i> | NA | NA | NA |
| <i>SNORD113-4</i> | NA | NA | NA |
| <i>SNORD116-2</i> | NA | NA | NA |
| <i>OR5H15</i> | NA | NA | NA |
| <i>OR5H14</i> | NA | NA | NA |
| <i>SNORD115-1</i> | NA | NA | NA |
| <i>SNORD58A</i> | NA | NA | NA |
| <i>SNORD58C</i> | NA | NA | NA |
| <i>PRR20A</i> | NA | NA | NA |
| <i>PRR20C</i> | NA | NA | NA |
| <i>PRR20D</i> | NA | NA | NA |
| <i>OR5H1</i> | NA | NA | NA |
| <i>SNORD96B</i> | NA | NA | NA |
| <i>SNORD63</i> | NA | NA | NA |
| <i>SNORD116-2</i> | NA | NA | NA |
| <i>HNRNPCL1</i> | NA | NA | NA |
| <i>SNORD81</i> | NA | NA | NA |
| <i>KRTAP21-2</i> | NA | NA | NA |
| <i>OR8J3</i> | NA | NA | NA |
| <i>MRGPRG</i> | NA | NA | NA |
| <i>NPVF</i> | NA | NA | NA |
| <i>CDX4</i> | NA | NA | NA |
| <i>GAGE12F</i> | NA | NA | NA |
| <i>PRAMEF3</i> | NA | NA | NA |
| <i>? 404770</i> | NA | NA | NA |
| <i>SNORD114-2</i> | NA | NA | NA |

| | | | |
|-------------------|----|----|----|
| <i>LOC646813</i> | NA | NA | NA |
| <i>LOC728410</i> | NA | NA | NA |
| <i>SNAR-A3</i> | NA | NA | NA |
| <i>SNORD115-2</i> | NA | NA | NA |
| <i>SNORD115-2</i> | NA | NA | NA |
| <i>SNORD115-2</i> | NA | NA | NA |
| <i>OR4L1</i> | NA | NA | NA |
| <i>SNORD114-2</i> | NA | NA | NA |
| <i>TEX28</i> | NA | NA | NA |
| <i>OR8H1</i> | NA | NA | NA |
| <i>OR8H2</i> | NA | NA | NA |
| <i>OR8H3</i> | NA | NA | NA |
| <i>TRIM64</i> | NA | NA | NA |
| <i>LOC285370</i> | NA | NA | NA |
| <i>PAGE3</i> | NA | NA | NA |
| <i>KRTAP24-1</i> | NA | NA | NA |
| <i>OR7A17</i> | NA | NA | NA |
| <i>DCD</i> | NA | NA | NA |
| <i>DEFB134</i> | NA | NA | NA |
| <i>DEFB130</i> | NA | NA | NA |
| <i>SNORD29</i> | NA | NA | NA |
| <i>S100A7L2</i> | NA | NA | NA |
| <i>LOC653545</i> | NA | NA | NA |
| <i>OR5K4</i> | NA | NA | NA |
| <i>PPIAL4B</i> | NA | NA | NA |
| <i>KRTAP15-1</i> | NA | NA | NA |
| <i>SNORD16</i> | NA | NA | NA |
| <i>SNORD36A</i> | NA | NA | NA |
| <i>SNORD91B</i> | NA | NA | NA |
| <i>LOC255025</i> | NA | NA | NA |
| <i>RBM1J</i> | NA | NA | NA |
| <i>SNORD87</i> | NA | NA | NA |
| <i>SNORD86</i> | NA | NA | NA |
| <i>GPHB5</i> | NA | NA | NA |
| <i>OR4C11</i> | NA | NA | NA |
| <i>OR4C13</i> | NA | NA | NA |
| <i>DEFB116</i> | NA | NA | NA |
| <i>DEFB114</i> | NA | NA | NA |
| <i>DEFB115</i> | NA | NA | NA |
| <i>DEFB112</i> | NA | NA | NA |
| <i>DEFB113</i> | NA | NA | NA |
| <i>DEFB118</i> | NA | NA | NA |
| <i>OR4B1</i> | NA | NA | NA |
| <i>RBM1E</i> | NA | NA | NA |
| <i>SNORD91A</i> | NA | NA | NA |
| <i>SNORD88B</i> | NA | NA | NA |
| <i>OR4D10</i> | NA | NA | NA |
| <i>SNORD50B</i> | NA | NA | NA |
| <i>SNORD65</i> | NA | NA | NA |
| <i>KRTAP22-1</i> | NA | NA | NA |
| <i>SNORD61</i> | NA | NA | NA |

| | | | |
|-------------------|----|----|----|
| <i>SNORD115-3</i> | NA | NA | NA |
| <i>SNORD114-6</i> | NA | NA | NA |
| <i>C9orf27</i> | NA | NA | NA |
| <i>SNORD114-4</i> | NA | NA | NA |
| <i>SNORD114-3</i> | NA | NA | NA |
| <i>OR8B3</i> | NA | NA | NA |
| <i>OR8B4</i> | NA | NA | NA |
| <i>OR13C2</i> | NA | NA | NA |
| <i>OR13C3</i> | NA | NA | NA |
| <i>OR6C6</i> | NA | NA | NA |
| <i>SNORD12C</i> | NA | NA | NA |
| <i>SNORD123</i> | NA | NA | NA |
| <i>SNORD126</i> | NA | NA | NA |
| <i>SNORD125</i> | NA | NA | NA |
| <i>DEFB108B</i> | NA | NA | NA |
| <i>OR4D9</i> | NA | NA | NA |
| <i>OR4D2</i> | NA | NA | NA |
| <i>OR5T3</i> | NA | NA | NA |
| <i>OR5T1</i> | NA | NA | NA |
| <i>KRTAP23-1</i> | NA | NA | NA |
| <i>SNORD48</i> | NA | NA | NA |
| <i>OR5L2</i> | NA | NA | NA |
| <i>OR51F1</i> | NA | NA | NA |
| <i>SNORD114-5</i> | NA | NA | NA |
| <i>SNORD46</i> | NA | NA | NA |
| <i>SNORD115-2</i> | NA | NA | NA |
| <i>SNORD115-1</i> | NA | NA | NA |
| <i>OR14J1</i> | NA | NA | NA |
| <i>SNORD27</i> | NA | NA | NA |
| <i>SNORD105</i> | NA | NA | NA |
| <i>DEFB106A</i> | NA | NA | NA |
| <i>OR12D3</i> | NA | NA | NA |
| <i>SPANXN1</i> | NA | NA | NA |
| <i>SNORD35A</i> | NA | NA | NA |
| <i>SNORD35B</i> | NA | NA | NA |
| <i>OR2W5</i> | NA | NA | NA |
| <i>OR6K2</i> | NA | NA | NA |
| <i>OR4A15</i> | NA | NA | NA |
| <i>LOC1001697</i> | NA | NA | NA |
| <i>TTY22</i> | NA | NA | NA |
| <i>OR51D1</i> | NA | NA | NA |
| <i>SNORD24</i> | NA | NA | NA |
| <i>SNORD28</i> | NA | NA | NA |
| <i>OR52E8</i> | NA | NA | NA |
| <i>KRTAP25-1</i> | NA | NA | NA |
| <i>SPINT3</i> | NA | NA | NA |
| <i>OR5AP2</i> | NA | NA | NA |
| <i>OR5D18</i> | NA | NA | NA |
| <i>LCE2B</i> | NA | NA | NA |
| <i>LCE2D</i> | NA | NA | NA |
| <i>OR6C76</i> | NA | NA | NA |

| | | | |
|-------------------|----|----|----|
| <i>SNORD114-4</i> | NA | NA | NA |
| <i>SNORD115-4</i> | NA | NA | NA |
| <i>SNORD115-4</i> | NA | NA | NA |
| <i>P2RX6P</i> | NA | NA | NA |
| <i>CDY1B</i> | NA | NA | NA |
| <i>SNORD1A</i> | NA | NA | NA |
| <i>SNORD1B</i> | NA | NA | NA |
| <i>SNORD19</i> | NA | NA | NA |
| <i>LACRT</i> | NA | NA | NA |
| <i>SNORD115-3</i> | NA | NA | NA |
| <i>OR4K5</i> | NA | NA | NA |
| <i>OR4K2</i> | NA | NA | NA |
| <i>SNORD44</i> | NA | NA | NA |
| <i>SNORD34</i> | NA | NA | NA |
| <i>SNORD121B</i> | NA | NA | NA |
| <i>SNORD121A</i> | NA | NA | NA |
| <i>OR10AG1</i> | NA | NA | NA |
| <i>SNAR-H</i> | NA | NA | NA |
| <i>FLJ44082</i> | NA | NA | NA |
| <i>SUN5</i> | NA | NA | NA |
| <i>SNORD51</i> | NA | NA | NA |
| <i>SNORD115-4</i> | NA | NA | NA |
| <i>SNORD36C</i> | NA | NA | NA |
| <i>SNORD115-4</i> | NA | NA | NA |
| <i>SNORD11B</i> | NA | NA | NA |
| <i>SNORD49B</i> | NA | NA | NA |
| <i>SNORD116-3</i> | NA | NA | NA |
| <i>SNORA35</i> | NA | NA | NA |
| <i>SNORD116-3</i> | NA | NA | NA |
| <i>? 136542</i> | NA | NA | NA |
| <i>DEFB110</i> | NA | NA | NA |
| <i>SNORD59B</i> | NA | NA | NA |
| <i>SNORD59A</i> | NA | NA | NA |
| <i>SNORD116-4</i> | NA | NA | NA |
| <i>OR5W2</i> | NA | NA | NA |
| <i>SNORD114-4</i> | NA | NA | NA |
| <i>SNORD114-4</i> | NA | NA | NA |
| <i>SNORD72</i> | NA | NA | NA |
| <i>SNORD74</i> | NA | NA | NA |
| <i>SNORD75</i> | NA | NA | NA |
| <i>SNORD79</i> | NA | NA | NA |
| <i>SNORD114-4</i> | NA | NA | NA |
| <i>OR2Y1</i> | NA | NA | NA |
| <i>OR8K1</i> | NA | NA | NA |
| <i>OR8K5</i> | NA | NA | NA |
| <i>OR2T29</i> | NA | NA | NA |
| <i>OR2T27</i> | NA | NA | NA |
| <i>CDY1</i> | NA | NA | NA |
| <i>SNORA19</i> | NA | NA | NA |
| <i>RNU5E</i> | NA | NA | NA |
| <i>SNORD88C</i> | NA | NA | NA |

| | | | |
|------------------|----|----|----|
| <i>OR6N1</i> | NA | NA | NA |
| <i>RNY5</i> | NA | NA | NA |
| <i>RNY4</i> | NA | NA | NA |
| <i>OR6N2</i> | NA | NA | NA |
| <i>SNORA36B</i> | NA | NA | NA |
| <i>SNORD114-</i> | NA | NA | NA |
| <i>SNORD52</i> | NA | NA | NA |
| <i>SNORD53</i> | NA | NA | NA |
| <i>SNORD115-</i> | NA | NA | NA |
| <i>SNORD113-</i> | NA | NA | NA |
| <i>SNORD113-</i> | NA | NA | NA |
| <i>SNORD113-</i> | NA | NA | NA |
| <i>SNORD113-</i> | NA | NA | NA |
| <i>SNORD113-</i> | NA | NA | NA |
| <i>SNORD113-</i> | NA | NA | NA |
| <i>SNORD114-</i> | NA | NA | NA |
| <i>SNORD116-</i> | NA | NA | NA |
| <i>KRTAP20-3</i> | NA | NA | NA |
| <i>SNORD98</i> | NA | NA | NA |
| <i>SNORD99</i> | NA | NA | NA |
| <i>SNORD93</i> | NA | NA | NA |
| <i>KRTAP20-1</i> | NA | NA | NA |
| <i>OR8I2</i> | NA | NA | NA |
| <i>CSPG4PY2</i> | NA | NA | NA |
| <i>OR7D4</i> | NA | NA | NA |
| <i>SNORD116-</i> | NA | NA | NA |
| <i>C13orf28</i> | NA | NA | NA |
| <i>SNORD73A</i> | NA | NA | NA |
| <i>OR5K3</i> | NA | NA | NA |
| <i>SNORD115-</i> | NA | NA | NA |
| <i>SNORD115-</i> | NA | NA | NA |
| <i>SNAR-D</i> | NA | NA | NA |
| <i>SNORA30</i> | NA | NA | NA |
| <i>DEFB129</i> | NA | NA | NA |
| <i>DEFB128</i> | NA | NA | NA |
| <i>DEFB127</i> | NA | NA | NA |
| <i>DEFB123</i> | NA | NA | NA |
| <i>DEFB122</i> | NA | NA | NA |
| <i>OR8G2</i> | NA | NA | NA |
| <i>OR4K13</i> | NA | NA | NA |
| <i>FTLP10</i> | NA | NA | NA |
| <i>SNORD116-</i> | NA | NA | NA |
| <i>SNORD116-</i> | NA | NA | NA |
| <i>SNORA38</i> | NA | NA | NA |
| <i>SNORD116-</i> | NA | NA | NA |
| <i>SNORD116-</i> | NA | NA | NA |
| <i>SNORD116-</i> | NA | NA | NA |
| <i>OR5M8</i> | NA | NA | NA |
| <i>XKRY</i> | NA | NA | NA |
| <i>SNORD95</i> | NA | NA | NA |
| <i>SNORD90</i> | NA | NA | NA |
| <i>SNORD114-</i> | NA | NA | NA |

| | | | |
|-------------------|----|----|----|
| <i>SNORD92</i> | NA | NA | NA |
| <i>TSSK2</i> | NA | NA | NA |
| <i>SNORA70C</i> | NA | NA | NA |
| <i>SNORD114-</i> | NA | NA | NA |
| <i>SNORD19B</i> | NA | NA | NA |
| <i>LOC729121</i> | NA | NA | NA |
| <i>MRGPRX1</i> | NA | NA | NA |
| <i>SNORD70</i> | NA | NA | NA |
| <i>SNORD76</i> | NA | NA | NA |
| <i>?317712</i> | NA | NA | NA |
| <i>SNORD77</i> | NA | NA | NA |
| <i>HBII-52-24</i> | NA | NA | NA |
| <i>SNAR-A13</i> | NA | NA | NA |
| <i>SNORD60</i> | NA | NA | NA |
| <i>TTY3B</i> | NA | NA | NA |
| <i>SCARNA18</i> | NA | NA | NA |
| <i>KRTAP13-3</i> | NA | NA | NA |
| <i>SNORA11C</i> | NA | NA | NA |
| <i>SNORA11B</i> | NA | NA | NA |
| <i>OR4Q3</i> | NA | NA | NA |
| <i>OR51A4</i> | NA | NA | NA |
| <i>OR52A1</i> | NA | NA | NA |
| <i>OR52A4</i> | NA | NA | NA |
| <i>SNORD105B</i> | NA | NA | NA |
| <i>PRM3</i> | NA | NA | NA |
| <i>TTY17B</i> | NA | NA | NA |
| <i>SNORD6</i> | NA | NA | NA |
| <i>SNORD7</i> | NA | NA | NA |
| <i>SNORD5</i> | NA | NA | NA |
| <i>SNORD2</i> | NA | NA | NA |
| <i>SNORD9</i> | NA | NA | NA |
| <i>OR4F4</i> | NA | NA | NA |
| <i>SNORD33</i> | NA | NA | NA |
| <i>VTRNA1-2</i> | NA | NA | NA |
| <i>OR5A2</i> | NA | NA | NA |
| <i>OR4F17</i> | NA | NA | NA |
| <i>SNORD54</i> | NA | NA | NA |
| <i>OR51G1</i> | NA | NA | NA |
| <i>SNORD114-d</i> | NA | NA | NA |
| <i>SNORD55</i> | NA | NA | NA |
| <i>SNORD56</i> | NA | NA | NA |
| <i>SNORD57</i> | NA | NA | NA |
| <i>LCN9</i> | NA | NA | NA |
| <i>OR1M1</i> | NA | NA | NA |
| <i>OR8B2</i> | NA | NA | NA |
| <i>OR4X1</i> | NA | NA | NA |
| <i>TTY21</i> | NA | NA | NA |
| <i>OR8B8</i> | NA | NA | NA |
| <i>PRAMEF13</i> | NA | NA | NA |
| <i>PRAMEF10</i> | NA | NA | NA |
| <i>DUX4</i> | NA | NA | NA |

| | | | |
|------------------|----|----|----|
| <i>SNORD50A</i> | NA | NA | NA |
| <i>SNORD117</i> | NA | NA | NA |
| <i>SNORD110</i> | NA | NA | NA |
| <i>SNORD111</i> | NA | NA | NA |
| <i>KRTAP4-3</i> | NA | NA | NA |
| <i>SNAR-A4</i> | NA | NA | NA |
| <i>OR10R2</i> | NA | NA | NA |
| <i>OR2T6</i> | NA | NA | NA |
| <i>TTY12</i> | NA | NA | NA |
| <i>OR2T1</i> | NA | NA | NA |
| <i>SNORD8</i> | NA | NA | NA |
| <i>OR5AS1</i> | NA | NA | NA |
| <i>SNORD32A</i> | NA | NA | NA |
| <i>SNORD43</i> | NA | NA | NA |
| <i>FKSG73</i> | NA | NA | NA |
| <i>SNORD114-</i> | NA | NA | NA |
| <i>NPS</i> | NA | NA | NA |
| <i>OR1I1</i> | NA | NA | NA |
| <i>SNORD71</i> | NA | NA | NA |
| <i>PRR20B</i> | NA | NA | NA |
| <i>SNAR-C2</i> | NA | NA | NA |
| <i>OR13C9</i> | NA | NA | NA |
| <i>VN1R4</i> | NA | NA | NA |
| <i>RBMY2FP</i> | NA | NA | NA |
| <i>SNORD88A</i> | NA | NA | NA |
| <i>SNORD36B</i> | NA | NA | NA |
| <i>LOC286238</i> | NA | NA | NA |
| <i>VTRNA1-3</i> | NA | NA | NA |
| <i>VTRNA1-1</i> | NA | NA | NA |
| <i>SNORD41</i> | NA | NA | NA |
| <i>OR2M7</i> | NA | NA | NA |
| <i>SNORD62A</i> | NA | NA | NA |
| <i>DEFB105A</i> | NA | NA | NA |
| <i>LCE3A</i> | NA | NA | NA |
| <i>LCE3B</i> | NA | NA | NA |
| <i>SNORD116-</i> | NA | NA | NA |
| <i>SNORD103A</i> | NA | NA | NA |
| <i>SNORD42B</i> | NA | NA | NA |
| <i>TAAR2</i> | NA | NA | NA |
| <i>OR6C74</i> | NA | NA | NA |
| <i>IFNA16</i> | NA | NA | NA |
| <i>SNORD42A</i> | NA | NA | NA |
| <i>SNORD37</i> | NA | NA | NA |
| <i>SNORD114-</i> | NA | NA | NA |
| <i>KIF2B</i> | NA | NA | NA |
| <i>OR14C36</i> | NA | NA | NA |
| <i>TTY11</i> | NA | NA | NA |
| <i>TTY19</i> | NA | NA | NA |
| <i>LOC340094</i> | NA | NA | NA |
| <i>SNORD115-</i> | NA | NA | NA |
| <i>OR10H3</i> | NA | NA | NA |

| | | | |
|-------------------|----|----|----|
| <i>SNORD115-J</i> | NA | NA | NA |
| <i>SNORD115-J</i> | NA | NA | NA |
| <i>OR6Y1</i> | NA | NA | NA |
| <i>SNORD114-J</i> | NA | NA | NA |
| <i>KRTAP20-2</i> | NA | NA | NA |
| <i>SNORD115-J</i> | NA | NA | NA |
| <i>IFNA6</i> | NA | NA | NA |
| <i>SNORD18C</i> | NA | NA | NA |
| <i>SNORD12B</i> | NA | NA | NA |
| <i>OR4C46</i> | NA | NA | NA |
| <i>SNORD114-J</i> | NA | NA | NA |
| <i>SNORD114-J</i> | NA | NA | NA |
| <i>SNORD114-J</i> | NA | NA | NA |
| <i>CT47A11</i> | NA | NA | NA |
| <i>CT47A10</i> | NA | NA | NA |
| <i>OR4P4</i> | NA | NA | NA |
| <i>FSHB</i> | NA | NA | NA |
| <i>SNORD116-J</i> | NA | NA | NA |
| <i>SNORD116-J</i> | NA | NA | NA |
| <i>SNORD116-J</i> | NA | NA | NA |
| <i>SNORD116-J</i> | NA | NA | NA |
| <i>SNORD85</i> | NA | NA | NA |
| <i>SNORD84</i> | NA | NA | NA |
| <i>SNORD82</i> | NA | NA | NA |
| <i>OR51V1</i> | NA | NA | NA |
| <i>SNORD32B</i> | NA | NA | NA |
| <i>IFNA7</i> | NA | NA | NA |
| <i>OR10J5</i> | NA | NA | NA |