

Table S3: Differential gene expression between cells from transplant and normal explants

| p_val | avg_logFC | pct.1 | pct.2 | p_val_adj | Gene | description |
|----------|-----------|-------|-------|-----------|---------|---|
| 3.3E-169 | 0.8894803 | 0.214 | 0.123 | 6.7E-165 | IGKC | immunoglobulin kappa constant [Source:HGNC Symbol;Acc:HGNC:5716] |
| 2.17E-89 | 0.7631042 | 0.083 | 0.04 | 4.38E-85 | IGLC3 | immunoglobulin lambda constant 3 (Kern-Oz+ marker) [Source:HGNC Symbol;Acc:HGNC:5857] |
| 3.08E-75 | 0.7574415 | 0.105 | 0.06 | 6.22E-71 | IGLC2 | immunoglobulin lambda constant 2 [Source:HGNC Symbol;Acc:HGNC:5856] |
| 0 | 0.555695 | 0.726 | 0.68 | 0 | FTL | ferritin light chain [Source:HGNC Symbol;Acc:HGNC:3999] |
| 5E-133 | 0.5265941 | 0.114 | 0.054 | 1E-128 | IGHG1 | immunoglobulin heavy constant gamma 1 (G1m marker) [Source:HGNC Symbol;Acc:HGNC:5525] |
| 0 | 0.44696 | 0.973 | 0.937 | 0 | B2M | beta-2-microglobulin [Source:HGNC Symbol;Acc:HGNC:914] |
| 5.5E-109 | 0.4353888 | 0.103 | 0.051 | 1.1E-104 | IGHG3 | immunoglobulin heavy constant gamma 3 (G3m marker) [Source:HGNC Symbol;Acc:HGNC:5527] |
| 0 | 0.3291331 | 0.658 | 0.51 | 0 | FOS | Fos proto-oncogene, AP-1 transcription factor subunit [Source:HGNC Symbol;Acc:HGNC:3796] |
| 0 | 0.3054745 | 0.912 | 0.862 | 0 | TMSB4X | thymosin beta 4 X-linked [Source:HGNC Symbol;Acc:HGNC:11881] |
| 0 | 0.2889847 | 0.417 | 0.243 | 0 | HLA-DRA | major histocompatibility complex, class II, DR alpha [Source:HGNC Symbol;Acc:HGNC:4947] |
| 0 | 0.2815273 | 0.407 | 0.18 | 0 | SRGN | serglycin [Source:HGNC Symbol;Acc:HGNC:9361] |
| 0 | 0.2805305 | 0.486 | 0.292 | 0 | DUSP1 | dual specificity phosphatase 1 [Source:HGNC Symbol;Acc:HGNC:3064] |
| 0 | 0.2683295 | 0.712 | 0.603 | 0 | ACTB | actin beta [Source:HGNC Symbol;Acc:HGNC:132] |
| 0 | 0.2636595 | 0.893 | 0.851 | 0 | RPL39 | ribosomal protein L39 [Source:HGNC Symbol;Acc:HGNC:10350] |
| 0 | 0.228638 | 0.223 | 0.092 | 0 | CCL5 | C-C motif chemokine ligand 5 [Source:HGNC Symbol;Acc:HGNC:10632] |
| 2.3E-101 | 0.2159986 | 0.605 | 0.53 | 4.7E-97 | FTH1 | ferritin heavy chain 1 [Source:HGNC Symbol;Acc:HGNC:3976] |
| 2.1E-260 | 0.2150714 | 0.208 | 0.097 | 4.2E-256 | LYZ | lysozyme [Source:HGNC Symbol;Acc:HGNC:6740] |
| 0 | 0.211745 | 0.587 | 0.403 | 0 | RPS26 | ribosomal protein S26 [Source:HGNC Symbol;Acc:HGNC:10414] |
| 9.6E-267 | 0.2106103 | 0.175 | 0.074 | 1.9E-262 | C1QA | complement C1q A chain [Source:HGNC Symbol;Acc:HGNC:1241] |
| 0 | 0.2038137 | 0.681 | 0.522 | 0 | RPS15A | ribosomal protein S15a [Source:HGNC Symbol;Acc:HGNC:10389] |
| 3.3E-202 | 0.2034218 | 0.807 | 0.78 | 6.6E-198 | TMSB10 | thymosin beta 10 [Source:HGNC Symbol;Acc:HGNC:11879] |
| 0 | 0.2016584 | 0.678 | 0.512 | 0 | RPL28 | ribosomal protein L28 [Source:HGNC Symbol;Acc:HGNC:10330] |
| 0 | 0.1957278 | 0.649 | 0.484 | 0 | TPT1 | tumor protein, translationally-controlled 1 [Source:HGNC Symbol;Acc:HGNC:12022] |
| 7E-233 | 0.1951859 | 0.178 | 0.081 | 1.4E-228 | CXCL2 | C-X-C motif chemokine ligand 2 [Source:HGNC Symbol;Acc:HGNC:4603] |
| 3.7E-300 | 0.1936622 | 0.249 | 0.122 | 7.6E-296 | TYROBP | TYRO protein tyrosine kinase binding protein [Source:HGNC Symbol;Acc:HGNC:12449] |
| 8.5E-262 | 0.18995 | 0.556 | 0.403 | 1.7E-257 | RPS2 | ribosomal protein S2 [Source:HGNC Symbol;Acc:HGNC:10404] |
| 0 | 0.1893083 | 0.369 | 0.213 | 0 | CYBA | cytochrome b-245 alpha chain [Source:HGNC Symbol;Acc:HGNC:2577] |
| 1.2E-270 | 0.1850882 | 0.636 | 0.478 | 2.5E-266 | RPL18A | ribosomal protein L18a [Source:HGNC Symbol;Acc:HGNC:10311] |
| 3.4E-192 | 0.1841041 | 0.423 | 0.295 | 7E-188 | CD74 | CD74 molecule [Source:HGNC Symbol;Acc:HGNC:1697] |
| 7.1E-191 | 0.1787702 | 0.817 | 0.79 | 1.4E-186 | RPS19 | ribosomal protein S19 [Source:HGNC Symbol;Acc:HGNC:10402] |
| 1E-285 | 0.1785209 | 0.334 | 0.194 | 2.1E-281 | ZFP36 | ZFP36 ring finger protein [Source:HGNC Symbol;Acc:HGNC:12862] |
| 0 | 0.178126 | 0.225 | 0.094 | 0 | CD52 | CD52 molecule [Source:HGNC Symbol;Acc:HGNC:1804] |
| 3.4E-240 | 0.1767104 | 0.251 | 0.135 | 6.8E-236 | AIF1 | allograft inflammatory factor 1 [Source:HGNC Symbol;Acc:HGNC:352] |
| 7.6E-158 | 0.1764949 | 0.333 | 0.226 | 1.5E-153 | LGALS1 | galectin 1 [Source:HGNC Symbol;Acc:HGNC:6561] |
| 0 | 0.1708449 | 0.316 | 0.164 | 0 | SH3BGR1 | SH3 domain binding glutamate rich protein like 3 [Source:HGNC Symbol;Acc:HGNC:15568] |
| 8.1E-298 | 0.168382 | 0.285 | 0.149 | 1.6E-293 | CXCR4 | C-X-C motif chemokine receptor 4 [Source:HGNC Symbol;Acc:HGNC:2561] |
| 1.2E-266 | 0.1644562 | 0.204 | 0.094 | 2.5E-262 | FCER1G | Fc fragment of IgE receptor Ig [Source:HGNC Symbol;Acc:HGNC:3611] |
| 3E-221 | 0.1638193 | 0.149 | 0.063 | 6.1E-217 | C1QB | complement C1q B chain [Source:HGNC Symbol;Acc:HGNC:1242] |
| 3.3E-259 | 0.1625871 | 0.286 | 0.16 | 6.7E-255 | NFKBIA | NF-kappa-B inhibitor alpha [Source:HGNC Symbol;Acc:HGNC:7797] |
| 2.4E-238 | 0.1571844 | 0.506 | 0.359 | 4.8E-234 | H3F3B | |
| 1.7E-186 | 0.156396 | 0.905 | 0.91 | 3.5E-182 | RPL21 | ribosomal protein L21 [Source:HGNC Symbol;Acc:HGNC:10313] |
| 3.5E-283 | 0.1560494 | 0.366 | 0.22 | 7.1E-279 | PFN1 | profilin 1 [Source:HGNC Symbol;Acc:HGNC:8881] |
| 1.1E-196 | 0.1546742 | 0.597 | 0.465 | 2.2E-192 | RPS3A | ribosomal protein S3A [Source:HGNC Symbol;Acc:HGNC:10421] |
| 9.8E-238 | 0.1532522 | 0.329 | 0.199 | 2E-233 | FOSB | FosB proto-oncogene, AP-1 transcription factor subunit [Source:HGNC Symbol;Acc:HGNC:3797] |
| 1.9E-229 | 0.1523177 | 0.292 | 0.17 | 3.9E-225 | S100A4 | S100 calcium binding protein A4 [Source:HGNC Symbol;Acc:HGNC:10494] |
| 2.7E-229 | 0.1516298 | 0.338 | 0.21 | 5.6E-225 | BTG1 | BTG anti-proliferation factor 1 [Source:HGNC Symbol;Acc:HGNC:1130] |
| 1.3E-131 | 0.1514903 | 0.793 | 0.777 | 2.7E-127 | RPL10 | ribosomal protein L10 [Source:HGNC Symbol;Acc:HGNC:10298] |
| 8.52E-62 | 0.1499131 | 0.698 | 0.688 | 1.72E-57 | NEAT1 | nuclear paraspeckle assembly transcript 1 [Source:HGNC Symbol;Acc:HGNC:30815] |
| 4.4E-203 | 0.1487742 | 0.442 | 0.304 | 8.9E-199 | PABPC1 | poly(A) binding protein cytoplasmic 1 [Source:HGNC Symbol;Acc:HGNC:8554] |
| 1.5E-158 | 0.1472677 | 0.831 | 0.811 | 2.9E-154 | RPL13 | ribosomal protein L13 [Source:HGNC Symbol;Acc:HGNC:10303] |
| 8.2E-199 | 0.1472207 | 0.313 | 0.198 | 1.6E-194 | VIM | vimentin [Source:HGNC Symbol;Acc:HGNC:12692] |
| 5.1E-147 | 0.1469428 | 0.815 | 0.791 | 1E-142 | RPLP1 | ribosomal protein lateral stalk subunit P1 [Source:HGNC Symbol;Acc:HGNC:10372] |
| 2.9E-201 | 0.1453416 | 0.262 | 0.154 | 5.9E-197 | NPC2 | NPC intracellular cholesterol transporter 2 [Source:HGNC Symbol;Acc:HGNC:14537] |
| 1.1E-146 | 0.144171 | 0.094 | 0.037 | 2.3E-142 | S100A8 | S100 calcium binding protein A8 [Source:HGNC Symbol;Acc:HGNC:10498] |
| 3.1E-191 | 0.1437282 | 0.152 | 0.07 | 6.2E-187 | CCL4 | C-C motif chemokine ligand 4 [Source:HGNC Symbol;Acc:HGNC:10630] |
| 2.7E-223 | 0.1411895 | 0.127 | 0.047 | 5.5E-219 | S100A9 | S100 calcium binding protein A9 [Source:HGNC Symbol;Acc:HGNC:10499] |
| 2.8E-156 | 0.1398318 | 0.652 | 0.533 | 5.7E-152 | RPLP2 | ribosomal protein lateral stalk subunit P2 [Source:HGNC Symbol;Acc:HGNC:10377] |
| 2.5E-158 | 0.1390258 | 0.484 | 0.367 | 5.1E-154 | RPS3 | ribosomal protein S3 [Source:HGNC Symbol;Acc:HGNC:10420] |
| 7.6E-161 | 0.1357175 | 0.115 | 0.05 | 1.5E-156 | VWF | von Willebrand factor [Source:HGNC Symbol;Acc:HGNC:12726] |
| 2.9E-175 | 0.1356778 | 0.569 | 0.436 | 5.9E-171 | RPL27A | ribosomal protein L27a [Source:HGNC Symbol;Acc:HGNC:10329] |
| 1.2E-285 | 0.1347131 | 0.196 | 0.085 | 2.4E-281 | NR4A2 | nuclear receptor subfamily 4 group A member 2 [Source:HGNC Symbol;Acc:HGNC:7981] |
| 4.5E-136 | 0.1345725 | 0.641 | 0.53 | 9E-132 | RPL26 | ribosomal protein L26 [Source:HGNC Symbol;Acc:HGNC:10327] |
| 1.5E-169 | 0.1344983 | 0.149 | 0.071 | 3E-165 | CCL3 | C-C motif chemokine ligand 3 [Source:HGNC Symbol;Acc:HGNC:10627] |
| 1.2E-268 | 0.1342575 | 0.184 | 0.079 | 2.5E-264 | CTSS | cathepsin S [Source:HGNC Symbol;Acc:HGNC:2545] |
| 2.9E-123 | 0.1339159 | 0.662 | 0.559 | 5.8E-119 | RPS12 | ribosomal protein S12 [Source:HGNC Symbol;Acc:HGNC:10385] |
| 2.5E-171 | 0.1312782 | 0.534 | 0.406 | 5.1E-167 | RPS13 | ribosomal protein S13 [Source:HGNC Symbol;Acc:HGNC:10386] |
| 1.9E-227 | 0.1309442 | 0.181 | 0.084 | 3.9E-223 | CD69 | CD69 molecule [Source:HGNC Symbol;Acc:HGNC:1694] |
| 7.6E-111 | 0.1303614 | 0.801 | 0.788 | 1.5E-106 | RPL13A | ribosomal protein L13a [Source:HGNC Symbol;Acc:HGNC:10304] |
| 7.8E-251 | 0.1302372 | 0.204 | 0.096 | 1.6E-246 | TNFAIP3 | TNF alpha induced protein 3 [Source:HGNC Symbol;Acc:HGNC:11896] |
| 4E-190 | 0.1286707 | 0.425 | 0.294 | 8.1E-186 | HLA-B | major histocompatibility complex, class I, B [Source:HGNC Symbol;Acc:HGNC:4932] |
| 1.3E-108 | 0.1271994 | 0.108 | 0.054 | 2.6E-104 | APOC1 | apolipoprotein C1 [Source:HGNC Symbol;Acc:HGNC:607] |

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|----------|-----------|-------|-------|----------|-------------|---|
| 1.3E-153 | 0.1260815 | 0.105 | 0.044 | 2.7E-149 | CXCL8 | C-X-C motif chemokine ligand 8 [Source:HGNC Symbol;Acc:HGNC:6025] |
| 2.6E-216 | 0.1235268 | 0.29 | 0.172 | 5.3E-212 | OAZ1 | ornithine decarboxylase antizyme 1 [Source:HGNC Symbol;Acc:HGNC:8095] |
| 2.3E-119 | 0.1231067 | 0.602 | 0.495 | 4.6E-115 | RPL23A | ribosomal protein L23a [Source:HGNC Symbol;Acc:HGNC:10317] |
| 1.8E-192 | 0.12059 | 0.201 | 0.105 | 3.7E-188 | RGS1 | regulator of G protein signaling 1 [Source:HGNC Symbol;Acc:HGNC:9991] |
| 2.3E-164 | 0.118075 | 0.164 | 0.084 | 4.7E-160 | CTSB | cathepsin B [Source:HGNC Symbol;Acc:HGNC:2527] |
| 1.3E-206 | 0.1161589 | 0.179 | 0.087 | 2.6E-202 | NAMPT | nicotinamide phosphoribosyltransferase [Source:HGNC Symbol;Acc:HGNC:30092] |
| 1.9E-186 | 0.1158723 | 0.258 | 0.154 | 3.8E-182 | ZFP36L2 | ZFP36 ring finger protein like 2 [Source:HGNC Symbol;Acc:HGNC:1108] |
| 2.4E-140 | 0.1157117 | 0.091 | 0.037 | 4.9E-136 | HMOX1 | heme oxygenase 1 [Source:HGNC Symbol;Acc:HGNC:5013] |
| 9.5E-258 | 0.1154675 | 0.187 | 0.083 | 1.9E-253 | PTPRC | protein tyrosine phosphatase receptor type C [Source:HGNC Symbol;Acc:HGNC:9666] |
| 1.3E-171 | 0.1148387 | 0.353 | 0.239 | 2.5E-167 | DDX5 | DEAD-box helicase 5 [Source:HGNC Symbol;Acc:HGNC:2746] |
| 1.1E-116 | 0.1141266 | 0.351 | 0.256 | 2.1E-112 | KLF6 | Kruppel like factor 6 [Source:HGNC Symbol;Acc:HGNC:2235] |
| 2.5E-115 | 0.1137963 | 0.575 | 0.466 | 5.1E-111 | RPL35A | ribosomal protein L35a [Source:HGNC Symbol;Acc:HGNC:10345] |
| 1.01E-41 | 0.1135495 | 0.802 | 0.824 | 2.03E-37 | RPS18 | ribosomal protein S18 [Source:HGNC Symbol;Acc:HGNC:10401] |
| 3.1E-79 | 0.1131777 | 0.938 | 0.956 | 6.26E-75 | RPL34 | ribosomal protein L34 [Source:HGNC Symbol;Acc:HGNC:10340] |
| 1.2E-254 | 0.1116455 | 0.173 | 0.073 | 2.5E-250 | HCST | hematopoietic cell signal transducer [Source:HGNC Symbol;Acc:HGNC:16977] |
| 5.63E-28 | 0.1103709 | 0.17 | 0.136 | 1.14E-23 | APOE | apolipoprotein E [Source:HGNC Symbol;Acc:HGNC:613] |
| 6E-133 | 0.1100751 | 0.187 | 0.11 | 1.2E-128 | GLUL | glutamate-ammonia ligase [Source:HGNC Symbol;Acc:HGNC:4341] |
| 5.52E-97 | 0.1099437 | 0.684 | 0.593 | 1.12E-92 | RPL36 | ribosomal protein L36 [Source:HGNC Symbol;Acc:HGNC:13631] |
| 9.41E-78 | 0.1096215 | 0.128 | 0.079 | 1.9E-73 | SPARCL1 | SPARC like 1 [Source:HGNC Symbol;Acc:HGNC:11220] |
| 8E-108 | 0.1086884 | 0.083 | 0.036 | 1.6E-103 | GNLY | granulysin [Source:HGNC Symbol;Acc:HGNC:4414] |
| 6.6E-146 | 0.1080207 | 0.41 | 0.294 | 1.3E-141 | RPL27 | ribosomal protein L27 [Source:HGNC Symbol;Acc:HGNC:10328] |
| 1.61E-28 | 0.10776 | 0.438 | 0.395 | 3.26E-24 | SAT1 | spermidine/spermine N1-acetyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:10540] |
| 5E-109 | 0.1063914 | 0.218 | 0.143 | 1E-104 | IL32 | interleukin 32 [Source:HGNC Symbol;Acc:HGNC:16830] |
| 1.74E-83 | 0.1054351 | 0.793 | 0.776 | 3.52E-79 | RPS15 | ribosomal protein S15 [Source:HGNC Symbol;Acc:HGNC:10388] |
| 1.1E-101 | 0.1037673 | 0.683 | 0.579 | 2.13E-97 | RPL35 | ribosomal protein L35 [Source:HGNC Symbol;Acc:HGNC:10344] |
| 2.9E-134 | 0.1026336 | 0.32 | 0.22 | 5.8E-130 | JUND | JunD proto-oncogene, AP-1 transcription factor subunit [Source:HGNC Symbol;Acc:HGNC:6206] |
| 2.27E-59 | 0.1020385 | 0.184 | 0.133 | 4.59E-55 | SSR4 | signal sequence receptor subunit 4 [Source:HGNC Symbol;Acc:HGNC:11326] |
| 4.65E-55 | 0.1010736 | 0.712 | 0.674 | 9.4E-51 | RPS8 | ribosomal protein S8 [Source:HGNC Symbol;Acc:HGNC:10441] |
| 3.92E-61 | 0.1007046 | 0.776 | 0.767 | 7.92E-57 | RPS27A | ribosomal protein S27a [Source:HGNC Symbol;Acc:HGNC:10417] |
| 6.4E-201 | 0.1006405 | 0.119 | 0.045 | 1.3E-196 | FABP5 | fatty acid binding protein 5 [Source:HGNC Symbol;Acc:HGNC:3560] |
| 1.5E-137 | 0.1006088 | 0.292 | 0.197 | 3E-133 | POMP | proteasome maturation protein [Source:HGNC Symbol;Acc:HGNC:20330] |
| 3.37E-43 | 0.099499 | 0.936 | 0.956 | 6.82E-39 | RPS27 | ribosomal protein S27 [Source:HGNC Symbol;Acc:HGNC:10416] |
| 5.6E-111 | 0.0992357 | 0.465 | 0.361 | 1.1E-106 | RPS9 | ribosomal protein S9 [Source:HGNC Symbol;Acc:HGNC:10442] |
| 1.07E-82 | 0.0984044 | 0.844 | 0.849 | 2.17E-78 | PTMA | prothymosin alpha [Source:HGNC Symbol;Acc:HGNC:9623] |
| 8.2E-110 | 0.0983184 | 0.141 | 0.079 | 1.7E-105 | RNASE1 | ribonuclease A family member 1, pancreatic [Source:HGNC Symbol;Acc:HGNC:10044] |
| 9.09E-47 | 0.0974722 | 0.768 | 0.761 | 1.84E-42 | RPL32 | ribosomal protein L32 [Source:HGNC Symbol;Acc:HGNC:10336] |
| 1.2E-125 | 0.0971778 | 0.125 | 0.063 | 2.4E-121 | 11-1143G9.4 | |
| 3.4E-148 | 0.0965076 | 0.271 | 0.173 | 6.8E-144 | JUNB | JunB proto-oncogene, AP-1 transcription factor subunit [Source:HGNC Symbol;Acc:HGNC:6205] |
| 1.16E-76 | 0.0963026 | 0.169 | 0.111 | 2.34E-72 | TIMP1 | TIMP metalloproteinase inhibitor 1 [Source:HGNC Symbol;Acc:HGNC:11820] |
| 4.26E-60 | 0.0956524 | 0.24 | 0.182 | 8.6E-56 | PSAP | prosaposin [Source:HGNC Symbol;Acc:HGNC:9498] |
| 2.1E-126 | 0.0936901 | 0.29 | 0.198 | 4.3E-122 | SEC61G | SEC61 translocon gamma subunit [Source:HGNC Symbol;Acc:HGNC:18277] |
| 5.8E-124 | 0.0932917 | 0.288 | 0.197 | 1.2E-119 | MYL12A | myosin light chain 12A [Source:HGNC Symbol;Acc:HGNC:16701] |
| 1.7E-205 | 0.0917283 | 0.155 | 0.069 | 3.5E-201 | FYB | |
| 7.47E-69 | 0.0913213 | 0.591 | 0.506 | 1.51E-64 | RPL11 | ribosomal protein L11 [Source:HGNC Symbol;Acc:HGNC:10301] |
| 2.3E-45 | 0.0912764 | 0.123 | 0.085 | 4.65E-41 | CTGF | |
| 9.9E-131 | 0.0909071 | 0.256 | 0.167 | 2E-126 | SUB1 | SUB1 regulator of transcription [Source:HGNC Symbol;Acc:HGNC:19985] |
| 6.78E-74 | 0.0905365 | 0.612 | 0.521 | 1.37E-69 | RPL12 | ribosomal protein L12 [Source:HGNC Symbol;Acc:HGNC:10302] |
| 6E-122 | 0.0903148 | 0.087 | 0.037 | 1.2E-117 | CXCL3 | C-X-C motif chemokine ligand 3 [Source:HGNC Symbol;Acc:HGNC:4604] |
| 1.2E-100 | 0.0889756 | 0.458 | 0.358 | 2.41E-96 | UBA52 | ubiquitin A-52 residue ribosomal protein fusion product 1 [Source:HGNC Symbol;Acc:HGNC:12458] |
| 1.3E-189 | 0.0889099 | 0.141 | 0.062 | 2.6E-185 | LY96 | lymphocyte antigen 96 [Source:HGNC Symbol;Acc:HGNC:17156] |
| 6.64E-69 | 0.0888845 | 0.051 | 0.022 | 1.34E-64 | CXCL10 | C-X-C motif chemokine ligand 10 [Source:HGNC Symbol;Acc:HGNC:10637] |
| 9.49E-84 | 0.0879261 | 0.574 | 0.475 | 1.92E-79 | RPS24 | ribosomal protein S24 [Source:HGNC Symbol;Acc:HGNC:10411] |
| 7.18E-53 | 0.087566 | 0.092 | 0.057 | 1.45E-48 | CCL2 | C-C motif chemokine ligand 2 [Source:HGNC Symbol;Acc:HGNC:10618] |
| 1.9E-107 | 0.087067 | 0.35 | 0.256 | 3.9E-103 | EEF1D | eukaryotic translation elongation factor 1 delta [Source:HGNC Symbol;Acc:HGNC:3211] |
| 3.19E-94 | 0.0869114 | 0.436 | 0.342 | 6.44E-90 | EIF1 | eukaryotic translation initiation factor 1 [Source:HGNC Symbol;Acc:HGNC:3249] |
| 6.1E-183 | 0.0868026 | 0.149 | 0.069 | 1.2E-178 | COTL1 | coactosin like F-actin binding protein 1 [Source:HGNC Symbol;Acc:HGNC:18304] |
| 2E-165 | 0.0853908 | 0.154 | 0.076 | 4E-161 | SOCS3 | suppressor of cytokine signaling 3 [Source:HGNC Symbol;Acc:HGNC:19391] |
| 2.35E-55 | 0.0848511 | 0.311 | 0.247 | 4.75E-51 | EGR1 | early growth response 1 [Source:HGNC Symbol;Acc:HGNC:3238] |
| 1.6E-104 | 0.0847341 | 0.362 | 0.267 | 3.2E-100 | PFDN5 | prefoldin subunit 5 [Source:HGNC Symbol;Acc:HGNC:8869] |
| 1.37E-85 | 0.0847105 | 0.441 | 0.349 | 2.77E-81 | RPS5 | ribosomal protein S5 [Source:HGNC Symbol;Acc:HGNC:10426] |
| 4.94E-79 | 0.0846198 | 0.484 | 0.396 | 9.99E-75 | RPL9 | ribosomal protein L9 [Source:HGNC Symbol;Acc:HGNC:10369] |
| 2.16E-73 | 0.0843741 | 0.503 | 0.416 | 4.37E-69 | RPL19 | ribosomal protein L19 [Source:HGNC Symbol;Acc:HGNC:10312] |
| 6.6E-114 | 0.0834352 | 0.1 | 0.047 | 1.3E-109 | LGMM | legumain [Source:HGNC Symbol;Acc:HGNC:9472] |
| 3.6E-119 | 0.0832526 | 0.188 | 0.114 | 7.3E-115 | ID2 | inhibitor of DNA binding 2 [Source:HGNC Symbol;Acc:HGNC:5361] |
| 8.3E-55 | 0.0829932 | 0.308 | 0.246 | 1.68E-50 | CST3 | cystatin C [Source:HGNC Symbol;Acc:HGNC:2475] |
| 8.7E-104 | 0.0825394 | 0.214 | 0.141 | 1.8E-99 | TSC22D3 | TSC22 domain family member 3 [Source:HGNC Symbol;Acc:HGNC:3051] |
| 6.8E-124 | 0.0820891 | 0.21 | 0.129 | 1.4E-119 | HLA-DPB | major histocompatibility complex, class II, DP beta 1 [Source:HGNC Symbol;Acc:HGNC:4940] |
| 2.85E-47 | 0.0820452 | 0.505 | 0.437 | 5.76E-43 | RPL3 | ribosomal protein L3 [Source:HGNC Symbol;Acc:HGNC:10332] |
| 1.7E-126 | 0.0816477 | 0.209 | 0.129 | 3.5E-122 | MCL1 | MCL1 apoptosis regulator, BCL2 family member [Source:HGNC Symbol;Acc:HGNC:6943] |
| 2.9E-172 | 0.0814574 | 0.132 | 0.059 | 5.9E-168 | LAPTM5 | lysosomal protein transmembrane 5 [Source:HGNC Symbol;Acc:HGNC:29612] |
| 1.45E-91 | 0.0814205 | 0.438 | 0.34 | 2.92E-87 | RPS16 | ribosomal protein S16 [Source:HGNC Symbol;Acc:HGNC:10396] |
| 1E-103 | 0.0813393 | 0.087 | 0.04 | 2.1E-99 | CCL4L2 | C-C motif chemokine ligand 4 like 2 [Source:HGNC Symbol;Acc:HGNC:24066] |
| 1.6E-112 | 0.0811163 | 0.189 | 0.116 | 3.3E-108 | FKBP1A | FKBP prolyl isomerase 1A [Source:HGNC Symbol;Acc:HGNC:3711] |
| 1.06E-91 | 0.0809461 | 0.404 | 0.311 | 2.15E-87 | RPL18 | ribosomal protein L18 [Source:HGNC Symbol;Acc:HGNC:10310] |

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|----------|-----------|-------|-------|----------|----------|---|
| 4.33E-47 | 0.0806002 | 0.5 | 0.429 | 8.75E-43 | HSP90AA | heat shock protein 90 alpha family class A member 1 [Source:HGNC Symbol;Acc:HGNC:5253] |
| 7.7E-131 | 0.0805605 | 0.159 | 0.088 | 1.6E-126 | MARCKS | myristoylated alanine rich protein kinase C substrate [Source:HGNC Symbol;Acc:HGNC:6759] |
| 2.07E-44 | 0.0801528 | 0.694 | 0.644 | 4.19E-40 | RPS28 | ribosomal protein S28 [Source:HGNC Symbol;Acc:HGNC:10418] |
| 4.8E-114 | 0.0786855 | 0.175 | 0.105 | 9.6E-110 | SDCBP | syndecan binding protein [Source:HGNC Symbol;Acc:HGNC:10662] |
| 4.6E-112 | 0.0786554 | 0.258 | 0.174 | 9.3E-108 | CFL1 | cofilin 1 [Source:HGNC Symbol;Acc:HGNC:1874] |
| 4.1E-171 | 0.0776915 | 0.103 | 0.039 | 8.3E-167 | CD163 | CD163 molecule [Source:HGNC Symbol;Acc:HGNC:1631] |
| 4.9E-134 | 0.077046 | 0.112 | 0.052 | 9.8E-130 | PRDM1 | PR/SET domain 1 [Source:HGNC Symbol;Acc:HGNC:9346] |
| 5.53E-56 | 0.0770137 | 0.606 | 0.522 | 1.12E-51 | RPS25 | ribosomal protein S25 [Source:HGNC Symbol;Acc:HGNC:10413] |
| 1.6E-144 | 0.0769274 | 0.137 | 0.068 | 3.3E-140 | TYMP | thymidine phosphorylase [Source:HGNC Symbol;Acc:HGNC:3148] |
| 4.7E-65 | 0.076884 | 0.621 | 0.53 | 9.62E-61 | ATP5E | |
| 1.4E-115 | 0.0763277 | 0.119 | 0.061 | 2.8E-111 | CTSZ | cathepsin Z [Source:HGNC Symbol;Acc:HGNC:2547] |
| 4.41E-60 | 0.0761639 | 0.285 | 0.222 | 8.91E-56 | ZFP36L1 | ZFP36 ring finger protein like 1 [Source:HGNC Symbol;Acc:HGNC:1107] |
| 1.5E-132 | 0.0759246 | 0.123 | 0.06 | 3E-128 | MS4A6A | membrane spanning 4-domains A6A [Source:HGNC Symbol;Acc:HGNC:13375] |
| 7.6E-141 | 0.075449 | 0.111 | 0.05 | 1.5E-136 | CD3D | CD3d molecule [Source:HGNC Symbol;Acc:HGNC:1673] |
| 1.27E-84 | 0.0752985 | 0.363 | 0.277 | 2.56E-80 | RPL30 | ribosomal protein L30 [Source:HGNC Symbol;Acc:HGNC:10333] |
| 1.4E-128 | 0.0751263 | 0.144 | 0.077 | 2.8E-124 | STAT1 | signal transducer and activator of transcription 1 [Source:HGNC Symbol;Acc:HGNC:11362] |
| 2.97E-89 | 0.0750775 | 0.241 | 0.167 | 6E-85 | GPX1 | glutathione peroxidase 1 [Source:HGNC Symbol;Acc:HGNC:4553] |
| 2.6E-112 | 0.074571 | 0.22 | 0.141 | 5.3E-108 | RPS10 | ribosomal protein S10 [Source:HGNC Symbol;Acc:HGNC:10383] |
| 1.47E-86 | 0.0742331 | 0.291 | 0.212 | 2.98E-82 | HLA-A | major histocompatibility complex, class I, A [Source:HGNC Symbol;Acc:HGNC:4931] |
| 7E-135 | 0.0736708 | 0.121 | 0.058 | 1.4E-130 | LST1 | leukocyte specific transcript 1 [Source:HGNC Symbol;Acc:HGNC:14189] |
| 7.4E-141 | 0.0736681 | 0.095 | 0.039 | 1.5E-136 | NKG7 | natural killer cell granule protein 7 [Source:HGNC Symbol;Acc:HGNC:7830] |
| 1.5E-109 | 0.0736135 | 0.071 | 0.028 | 3.1E-105 | IL1B | interleukin 1 beta [Source:HGNC Symbol;Acc:HGNC:5992] |
| 1.3E-124 | 0.0726046 | 0.129 | 0.066 | 2.6E-120 | PPP2R5C | protein phosphatase 2 regulatory subunit B gamma [Source:HGNC Symbol;Acc:HGNC:9311] |
| 3.5E-130 | 0.0721985 | 0.14 | 0.073 | 7.1E-126 | CD44 | CD44 molecule (Indian blood group) [Source:HGNC Symbol;Acc:HGNC:1681] |
| 2.8E-103 | 0.0720587 | 0.264 | 0.181 | 5.7E-99 | HLA-C | major histocompatibility complex, class I, C [Source:HGNC Symbol;Acc:HGNC:4933] |
| 7.9E-108 | 0.0704206 | 0.224 | 0.146 | 1.6E-103 | HLA-E | major histocompatibility complex, class I, E [Source:HGNC Symbol;Acc:HGNC:4962] |
| 1.36E-69 | 0.0702247 | 0.996 | 0.998 | 2.75E-65 | MALAT1 | metastasis associated lung adenocarcinoma transcript 1 [Source:HGNC Symbol;Acc:HGNC:29665] |
| 1.4E-162 | 0.070198 | 0.114 | 0.048 | 2.7E-158 | LCP1 | lymphocyte cytosolic protein 1 [Source:HGNC Symbol;Acc:HGNC:6528] |
| 9.6E-149 | 0.0700564 | 0.133 | 0.064 | 1.9E-144 | GMFG | glia maturation factor gamma [Source:HGNC Symbol;Acc:HGNC:4374] |
| 1.86E-23 | 0.0694025 | 0.618 | 0.572 | 3.77E-19 | RPS6 | ribosomal protein S6 [Source:HGNC Symbol;Acc:HGNC:10429] |
| 8.57E-90 | 0.0693454 | 0.254 | 0.178 | 1.73E-85 | CALM1 | calmodulin 1 [Source:HGNC Symbol;Acc:HGNC:1442] |
| 4.15E-52 | 0.0693345 | 0.461 | 0.39 | 8.38E-48 | RPL15 | ribosomal protein L15 [Source:HGNC Symbol;Acc:HGNC:10306] |
| 1.88E-76 | 0.0692869 | 0.088 | 0.047 | 3.8E-72 | FN1 | fibronectin 1 [Source:HGNC Symbol;Acc:HGNC:3778] |
| 4.83E-82 | 0.0687546 | 0.166 | 0.107 | 9.77E-78 | SOD2 | superoxide dismutase 2 [Source:HGNC Symbol;Acc:HGNC:11180] |
| 4.83E-82 | 0.0687546 | 0.166 | 0.107 | 9.77E-78 | SOD2 | superoxide dismutase 2 [Source:NCBI gene;Acc:6648] |
| 3.47E-81 | 0.0685963 | 0.104 | 0.058 | 7.01E-77 | AREG | amphiregulin [Source:HGNC Symbol;Acc:HGNC:651] |
| 1.3E-122 | 0.0685407 | 0.171 | 0.098 | 2.7E-118 | TPM3 | tropomyosin 3 [Source:HGNC Symbol;Acc:HGNC:12012] |
| 3.21E-84 | 0.0683367 | 0.177 | 0.115 | 6.49E-80 | HLA-DPA1 | major histocompatibility complex, class II, DP alpha 1 [Source:HGNC Symbol;Acc:HGNC:4938] |
| 1.8E-140 | 0.0677112 | 0.086 | 0.033 | 3.6E-136 | CD14 | CD14 molecule [Source:HGNC Symbol;Acc:HGNC:1628] |
| 5.74E-26 | 0.0676785 | 0.269 | 0.227 | 1.16E-21 | HSPA1A | heat shock protein family A (Hsp70) member 1A [Source:HGNC Symbol;Acc:HGNC:5232] |
| 7.79E-87 | 0.06745 | 0.195 | 0.13 | 1.57E-82 | PCBP1 | poly(rC) binding protein 1 [Source:HGNC Symbol;Acc:HGNC:8647] |
| 7.1E-149 | 0.0673218 | 0.091 | 0.035 | 1.4E-144 | STAB1 | stabilin 1 [Source:HGNC Symbol;Acc:HGNC:18628] |
| 1.61E-89 | 0.0663044 | 0.165 | 0.104 | 3.25E-85 | NFKBIZ | NFKB inhibitor zeta [Source:HGNC Symbol;Acc:HGNC:29805] |
| 1.2E-109 | 0.0661227 | 0.118 | 0.061 | 2.3E-105 | RG2 | regulator of G protein signaling 2 [Source:HGNC Symbol;Acc:HGNC:9998] |
| 1.1E-117 | 0.0655293 | 0.139 | 0.076 | 2.1E-113 | MBNL1 | muscleblind like splicing regulator 1 [Source:HGNC Symbol;Acc:HGNC:6923] |
| 4E-119 | 0.0648272 | 0.082 | 0.034 | 8E-115 | C1QC | complement C1q C chain [Source:HGNC Symbol;Acc:HGNC:1245] |
| 6.8E-99 | 0.0647917 | 0.186 | 0.118 | 1.37E-94 | ARPC2 | actin related protein 2/3 complex subunit 2 [Source:HGNC Symbol;Acc:HGNC:705] |
| 5.45E-25 | 0.0645774 | 0.302 | 0.259 | 1.1E-20 | HSPA1B | heat shock protein family A (Hsp70) member 1B [Source:HGNC Symbol;Acc:HGNC:5233] |
| 1E-86 | 0.0643082 | 0.081 | 0.04 | 2.02E-82 | CAV1 | caveolin 1 [Source:HGNC Symbol;Acc:HGNC:1527] |
| 2.67E-39 | 0.0642229 | 0.353 | 0.295 | 5.4E-35 | JUN | Jun proto-oncogene, AP-1 transcription factor subunit [Source:HGNC Symbol;Acc:HGNC:6204] |
| 2.8E-106 | 0.0641578 | 0.144 | 0.082 | 5.6E-102 | ACTR2 | actin related protein 2 [Source:HGNC Symbol;Acc:HGNC:169] |
| 9.8E-95 | 0.0635508 | 0.147 | 0.088 | 1.98E-90 | KLF2 | Kruppel like factor 2 [Source:HGNC Symbol;Acc:HGNC:6347] |
| 4.91E-46 | 0.0631856 | 0.142 | 0.1 | 9.93E-42 | IER3 | immediate early response 3 [Source:HGNC Symbol;Acc:HGNC:5392] |
| 6.1E-109 | 0.0630072 | 0.138 | 0.077 | 1.2E-104 | EMP3 | epithelial membrane protein 3 [Source:HGNC Symbol;Acc:HGNC:3335] |
| 4.96E-77 | 0.0625117 | 0.209 | 0.145 | 1E-72 | YWHAZ | tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein zeta [Source:HGNC Symbol;Acc:HGNC:12855] |
| 9.23E-48 | 0.0624523 | 0.503 | 0.426 | 1.86E-43 | RPS17 | ribosomal protein S17 [Source:HGNC Symbol;Acc:HGNC:10397] |
| 7.6E-89 | 0.0624424 | 0.172 | 0.109 | 1.54E-84 | FUS | FUS RNA binding protein [Source:HGNC Symbol;Acc:HGNC:4010] |
| 1.4E-99 | 0.062431 | 0.157 | 0.094 | 2.76E-95 | C6orf62 | chromosome 6 open reading frame 62 [Source:HGNC Symbol;Acc:HGNC:20998] |
| 8.3E-122 | 0.0621735 | 0.097 | 0.043 | 1.7E-117 | CD2 | CD2 molecule [Source:HGNC Symbol;Acc:HGNC:1639] |
| 2.73E-92 | 0.0617606 | 0.115 | 0.063 | 5.52E-88 | MAFB | MAF bZIP transcription factor B [Source:HGNC Symbol;Acc:HGNC:6408] |
| 1.51E-36 | 0.0616816 | 0.481 | 0.418 | 3.06E-32 | RPS4X | ribosomal protein S4 X-linked [Source:HGNC Symbol;Acc:HGNC:10424] |
| 2.83E-75 | 0.0614906 | 0.1 | 0.056 | 5.71E-71 | XBP1 | X-box binding protein 1 [Source:HGNC Symbol;Acc:HGNC:12801] |
| 1.4E-103 | 0.0611236 | 0.141 | 0.08 | 2.9E-99 | IFI16 | interferon gamma inducible protein 16 [Source:HGNC Symbol;Acc:HGNC:5395] |
| 6E-123 | 0.0609855 | 0.123 | 0.062 | 1.2E-118 | IRF1 | interferon regulatory factor 1 [Source:HGNC Symbol;Acc:HGNC:6116] |
| 9.38E-97 | 0.0605704 | 0.151 | 0.09 | 1.89E-92 | VAMP5 | vesicle associated membrane protein 5 [Source:HGNC Symbol;Acc:HGNC:12646] |
| 7.22E-58 | 0.0595252 | 0.346 | 0.274 | 1.46E-53 | RPL23 | ribosomal protein L23 [Source:HGNC Symbol;Acc:HGNC:10316] |
| 6.85E-76 | 0.059361 | 0.209 | 0.145 | 1.38E-71 | NAP1L1 | nucleosome assembly protein 1 like 1 [Source:HGNC Symbol;Acc:HGNC:7637] |
| 1.8E-117 | 0.059276 | 0.096 | 0.044 | 3.6E-113 | CD83 | CD83 molecule [Source:HGNC Symbol;Acc:HGNC:1703] |
| 1.87E-29 | 0.0592195 | 0.606 | 0.547 | 3.78E-25 | RPS23 | ribosomal protein S23 [Source:HGNC Symbol;Acc:HGNC:10410] |
| 5.95E-51 | 0.058778 | 0.454 | 0.377 | 1.2E-46 | RPS20 | ribosomal protein S20 [Source:HGNC Symbol;Acc:HGNC:10405] |
| 2.04E-83 | 0.058224 | 0.109 | 0.061 | 4.13E-79 | ISG15 | ISG15 ubiquitin like modifier [Source:HGNC Symbol;Acc:HGNC:4053] |
| 3.82E-93 | 0.0580922 | 0.126 | 0.072 | 7.73E-89 | CMTM6 | CKLF like MARVEL transmembrane domain containing 6 [Source:HGNC Symbol;Acc:HGNC:19177] |
| 1.85E-90 | 0.0580044 | 0.116 | 0.064 | 3.73E-86 | KLF4 | Kruppel like factor 4 [Source:HGNC Symbol;Acc:HGNC:6348] |
| 9.09E-73 | 0.0575692 | 0.091 | 0.05 | 1.84E-68 | CTSL | cathepsin L [Source:HGNC Symbol;Acc:HGNC:2537] |

| | | | | | | |
|----------|-----------|-------|-------|----------|----------|--|
| 8.39E-59 | 0.0573543 | 0.154 | 0.106 | 1.7E-54 | SGK1 | serum/glucocorticoid regulated kinase 1 [Source:HGNC Symbol;Acc:HGNC:10810] |
| 6.67E-58 | 0.0571695 | 0.404 | 0.326 | 1.35E-53 | RPS11 | ribosomal protein S11 [Source:HGNC Symbol;Acc:HGNC:10384] |
| 2.3E-111 | 0.05712 | 0.091 | 0.041 | 4.7E-107 | LIPA | lipase A, lysosomal acid type [Source:HGNC Symbol;Acc:HGNC:6617] |
| 1.2E-80 | 0.056405 | 0.073 | 0.034 | 2.43E-76 | CCL3L3 | C-C motif chemokine ligand 3 like 3 [Source:HGNC Symbol;Acc:HGNC:30554] |
| 3.5E-99 | 0.0563928 | 0.121 | 0.066 | 7.17E-95 | CAPZA1 | capping actin protein of muscle Z-line subunit alpha 1 [Source:HGNC Symbol;Acc:HGNC:1488] |
| 1.3E-115 | 0.0563797 | 0.087 | 0.038 | 2.6E-111 | CYBB | cytochrome b-245 beta chain [Source:HGNC Symbol;Acc:HGNC:2578] |
| 4.1E-122 | 0.056161 | 0.081 | 0.033 | 8.3E-118 | PLEK | pleckstrin [Source:HGNC Symbol;Acc:HGNC:9070] |
| 7.58E-89 | 0.0559958 | 0.122 | 0.07 | 1.53E-84 | CELF2 | CUGBP Elav-like family member 2 [Source:HGNC Symbol;Acc:HGNC:2550] |
| 2.7E-103 | 0.055768 | 0.107 | 0.054 | 5.5E-99 | ZEB2 | zinc finger E-box binding homeobox 2 [Source:HGNC Symbol;Acc:HGNC:14881] |
| 8.9E-126 | 0.0554328 | 0.08 | 0.031 | 1.8E-121 | FCGR3A | Fc fragment of IgG receptor IIIa [Source:HGNC Symbol;Acc:HGNC:3619] |
| 1.11E-65 | 0.0553615 | 0.153 | 0.102 | 2.24E-61 | H2AFZ | |
| 1.24E-68 | 0.0552402 | 0.16 | 0.107 | 2.5E-64 | PNRC1 | proline rich nuclear receptor coactivator 1 [Source:HGNC Symbol;Acc:HGNC:17278] |
| 9.72E-97 | 0.0551318 | 0.077 | 0.035 | 1.96E-92 | MSR1 | macrophage scavenger receptor 1 [Source:HGNC Symbol;Acc:HGNC:7376] |
| 7.44E-29 | 0.0551156 | 0.525 | 0.465 | 1.5E-24 | RPL7 | ribosomal protein L7 [Source:HGNC Symbol;Acc:HGNC:10363] |
| 4.37E-84 | 0.0549917 | 0.089 | 0.046 | 8.84E-80 | RGCC | regulator of cell cycle [Source:HGNC Symbol;Acc:HGNC:20369] |
| 1.46E-83 | 0.0545593 | 0.14 | 0.085 | 2.95E-79 | ARPC5 | actin related protein 2/3 complex subunit 5 [Source:HGNC Symbol;Acc:HGNC:708] |
| 2.11E-69 | 0.0542733 | 0.113 | 0.068 | 4.27E-65 | TCF4 | transcription factor 4 [Source:HGNC Symbol;Acc:HGNC:11634] |
| 2.49E-17 | 0.0542149 | 0.839 | 0.86 | 5.04E-13 | RPS29 | ribosomal protein S29 [Source:HGNC Symbol;Acc:HGNC:10419] |
| 1.99E-67 | 0.0541474 | 0.15 | 0.099 | 4.03E-63 | BTG2 | BTG anti-proliferation factor 2 [Source:HGNC Symbol;Acc:HGNC:1131] |
| 4.75E-60 | 0.0535463 | 0.24 | 0.179 | 9.61E-56 | YBX1 | Y-box binding protein 1 [Source:HGNC Symbol;Acc:HGNC:8014] |
| 6.49E-54 | 0.0530038 | 0.236 | 0.178 | 1.31E-49 | CDC42 | cell division cycle 42 [Source:HGNC Symbol;Acc:HGNC:1736] |
| 6.6E-103 | 0.0527934 | 0.115 | 0.06 | 1.33E-98 | ARHGDI2 | Rho GDP dissociation inhibitor beta [Source:HGNC Symbol;Acc:HGNC:679] |
| 9.04E-48 | 0.0525878 | 0.313 | 0.251 | 1.83E-43 | C14orf2 | |
| 2.6E-122 | 0.0524908 | 0.081 | 0.033 | 5.3E-118 | SAMSN1 | SAM domain, SH3 domain and nuclear localization signals 1 [Source:HGNC Symbol;Acc:HGNC:10528] |
| 6.53E-81 | 0.0521013 | 0.061 | 0.026 | 1.32E-76 | ACKR1 | atypical chemokine receptor 1 (Duffy blood group) [Source:HGNC Symbol;Acc:HGNC:4035] |
| 4.53E-47 | 0.0520662 | 0.35 | 0.284 | 9.15E-43 | RPS7 | ribosomal protein S7 [Source:HGNC Symbol;Acc:HGNC:10440] |
| 1.68E-67 | 0.0519841 | 0.163 | 0.11 | 3.4E-63 | DDX3X | DEAD-box helicase 3 X-linked [Source:HGNC Symbol;Acc:HGNC:2745] |
| 7.37E-87 | 0.0517178 | 0.086 | 0.043 | 1.49E-82 | MNDA | myeloid cell nuclear differentiation antigen [Source:HGNC Symbol;Acc:HGNC:7183] |
| 7.66E-75 | 0.0515781 | 0.143 | 0.091 | 1.55E-70 | SRSF2 | serine and arginine rich splicing factor 2 [Source:HGNC Symbol;Acc:HGNC:10783] |
| 3.3E-105 | 0.0514713 | 0.089 | 0.041 | 6.8E-101 | WIPF1 | WAS/WASL interacting protein family member 1 [Source:HGNC Symbol;Acc:HGNC:12736] |
| 1.32E-90 | 0.0512632 | 0.056 | 0.021 | 2.66E-86 | IFNG | interferon gamma [Source:HGNC Symbol;Acc:HGNC:5438] |
| 1.65E-92 | 0.0508616 | 0.071 | 0.031 | 3.33E-88 | GZMA | granzyme A [Source:HGNC Symbol;Acc:HGNC:4708] |
| 2.4E-107 | 0.0503788 | 0.086 | 0.039 | 4.8E-103 | CORO1A | coronin 1A [Source:HGNC Symbol;Acc:HGNC:2252] |
| 7.4E-107 | 0.0500483 | 0.072 | 0.029 | 1.5E-102 | GBP1 | guanylate binding protein 1 [Source:HGNC Symbol;Acc:HGNC:4182] |
| 4.3E-108 | -0.050088 | 0.018 | 0.055 | 8.6E-104 | BEX2 | brain expressed X-linked 2 [Source:HGNC Symbol;Acc:HGNC:30933] |
| 2.1E-117 | -0.050106 | 0.015 | 0.052 | 4.2E-113 | KRT7 | keratin 7 [Source:HGNC Symbol;Acc:HGNC:6445] |
| 4.37E-13 | -0.050117 | 0.152 | 0.17 | 8.83E-09 | NDUFA3 | NADH:ubiquinone oxidoreductase subunit A3 [Source:HGNC Symbol;Acc:HGNC:7686] |
| 2.73E-53 | -0.050602 | 0.063 | 0.1 | 5.53E-49 | C12orf75 | chromosome 12 open reading frame 75 [Source:HGNC Symbol;Acc:HGNC:35164] |
| 1.51E-20 | -0.0513 | 0.142 | 0.168 | 3.05E-16 | COX6A1 | cytochrome c oxidase subunit 6A1 [Source:HGNC Symbol;Acc:HGNC:2277] |
| 2.03E-48 | -0.05254 | 0.04 | 0.069 | 4.09E-44 | MIR4458H | MIR4458 host gene [Source:HGNC Symbol;Acc:HGNC:49008] |
| 7.6E-19 | -0.052871 | 0.191 | 0.218 | 1.54E-14 | NDUFB2 | NADH:ubiquinone oxidoreductase subunit B2 [Source:HGNC Symbol;Acc:HGNC:7697] |
| 2.57E-26 | -0.053049 | 0.126 | 0.155 | 5.19E-22 | MIF | macrophage migration inhibitory factor [Source:HGNC Symbol;Acc:HGNC:7097] |
| 3.74E-64 | -0.054026 | 0.067 | 0.109 | 7.56E-60 | TSC2D1 | TSC22 domain family member 1 [Source:HGNC Symbol;Acc:HGNC:16826] |
| 4.5E-132 | -0.054967 | 0.016 | 0.056 | 9E-128 | TSPAN1 | tetraspanin 1 [Source:HGNC Symbol;Acc:HGNC:20657] |
| 4.43E-18 | -0.055288 | 0.203 | 0.229 | 8.96E-14 | COX7B | cytochrome c oxidase subunit 7B [Source:HGNC Symbol;Acc:HGNC:2291] |
| 3.96E-11 | -0.055894 | 0.196 | 0.212 | 8E-07 | MT-RNR2L | MT-RNR2 like 8 [Source:HGNC Symbol;Acc:HGNC:37165] |
| 2.7E-142 | -0.056333 | 0.019 | 0.064 | 5.5E-138 | CKB | creatine kinase B [Source:HGNC Symbol;Acc:HGNC:1991] |
| 9.4E-130 | -0.057228 | 0.02 | 0.064 | 1.9E-125 | ELF3 | E74 like ETS transcription factor 3 [Source:HGNC Symbol;Acc:HGNC:3318] |
| 5.97E-47 | -0.058588 | 0.115 | 0.157 | 1.21E-42 | GPX3 | glutathione peroxidase 3 [Source:HGNC Symbol;Acc:HGNC:4555] |
| 1.3E-102 | -0.06023 | 0.025 | 0.064 | 2.53E-98 | BEX5 | brain expressed X-linked 5 [Source:HGNC Symbol;Acc:HGNC:27990] |
| 3.5E-143 | -0.060984 | 0.025 | 0.074 | 7.1E-139 | CAMK2N1 | calcium/calmodulin dependent protein kinase II inhibitor 1 [Source:HGNC Symbol;Acc:HGNC:24190] |
| 9.8E-114 | -0.061328 | 0.04 | 0.09 | 2E-109 | CYSTM1 | cysteine rich transmembrane module containing 1 [Source:HGNC Symbol;Acc:HGNC:30239] |
| 7.21E-60 | -0.06133 | 0.087 | 0.131 | 1.46E-55 | NDUFB9 | NADH:ubiquinone oxidoreductase subunit B9 [Source:HGNC Symbol;Acc:HGNC:7704] |
| 2.4E-115 | -0.061889 | 0.028 | 0.073 | 4.9E-111 | TACSTD2 | tumor associated calcium signal transducer 2 [Source:HGNC Symbol;Acc:HGNC:11530] |
| 1.55E-29 | -0.062072 | 0.189 | 0.224 | 3.13E-25 | PPDF | pancreatic progenitor cell differentiation and proliferation factor [Source:HGNC Symbol;Acc:HGNC:16142] |
| 2.42E-39 | -0.062106 | 0.076 | 0.108 | 4.88E-35 | SRSF6 | serine and arginine rich splicing factor 6 [Source:HGNC Symbol;Acc:HGNC:10788] |
| 1.3E-172 | -0.063763 | 0.024 | 0.079 | 2.5E-168 | EPCAM | epithelial cell adhesion molecule [Source:HGNC Symbol;Acc:HGNC:11529] |
| 2.16E-55 | -0.06417 | 0.998 | 0.999 | 4.36E-51 | MT-ND3 | mitochondrially encoded NADH:ubiquinone oxidoreductase core subunit 3 [Source:HGNC Symbol;Acc:HGNC:7458] |
| 4.3E-112 | -0.064619 | 0.031 | 0.076 | 8.6E-108 | SDC4 | syndecan 4 [Source:HGNC Symbol;Acc:HGNC:10661] |
| 8.86E-52 | -0.065333 | 0.127 | 0.172 | 1.79E-47 | ATPIF1 | |
| 1.27E-41 | -0.065655 | 0.076 | 0.11 | 2.57E-37 | TIMP3 | TIMP metalloproteinase inhibitor 3 [Source:HGNC Symbol;Acc:HGNC:11822] |
| 5.1E-154 | -0.06837 | 0.017 | 0.064 | 1E-149 | KRT19 | keratin 19 [Source:HGNC Symbol;Acc:HGNC:6436] |
| 3.3E-155 | -0.069288 | 0.027 | 0.08 | 6.6E-151 | KRT18 | keratin 18 [Source:HGNC Symbol;Acc:HGNC:6430] |
| 2.12E-80 | -0.069777 | 0.097 | 0.151 | 4.29E-76 | LDHB | lactate dehydrogenase B [Source:HGNC Symbol;Acc:HGNC:6541] |
| 9.9E-159 | -0.069932 | 0.01 | 0.052 | 2E-154 | BCYRN1 | brain cytoplasmic RNA 1 [Source:HGNC Symbol;Acc:HGNC:1022] |
| 1.16E-27 | -0.07015 | 0.361 | 0.39 | 2.34E-23 | COX7C | cytochrome c oxidase subunit 7C [Source:HGNC Symbol;Acc:HGNC:2292] |
| 1.39E-52 | -0.070299 | 0.116 | 0.16 | 2.81E-48 | MRPL33 | mitochondrial ribosomal protein L33 [Source:HGNC Symbol;Acc:HGNC:14487] |
| 5E-34 | -0.070719 | 0.19 | 0.227 | 1.01E-29 | NDUFA1 | NADH:ubiquinone oxidoreductase subunit A1 [Source:HGNC Symbol;Acc:HGNC:7683] |
| 2.7E-178 | -0.072482 | 0.029 | 0.089 | 5.5E-174 | KCNJ16 | potassium inwardly rectifying channel subfamily J member 16 [Source:HGNC Symbol;Acc:HGNC:6262] |
| 9.4E-193 | -0.072587 | 0.02 | 0.076 | 1.9E-188 | MAL | mal, T cell differentiation protein [Source:HGNC Symbol;Acc:HGNC:6817] |
| 1.78E-25 | -0.07299 | 0.171 | 0.199 | 3.59E-21 | NDUFB1 | NADH:ubiquinone oxidoreductase subunit B1 [Source:HGNC Symbol;Acc:HGNC:7695] |
| 3.8E-211 | -0.074377 | 0.017 | 0.074 | 7.7E-207 | CA12 | carbonic anhydrase 12 [Source:HGNC Symbol;Acc:HGNC:1371] |
| 2.37E-88 | -0.074458 | 0.106 | 0.166 | 4.79E-84 | APP | amyloid beta precursor protein [Source:HGNC Symbol;Acc:HGNC:620] |
| 1.18E-82 | -0.074618 | 0.093 | 0.147 | 2.38E-78 | HIST1H4C | |

| | | | | | | |
|----------|-----------|-------|-------|----------|---------|---|
| 5.1E-143 | -0.07686 | 0.032 | 0.085 | 1E-138 | PCSK1N | proprotein convertase subtilisin/kexin type 1 inhibitor [Source:HGNC Symbol;Acc:HGNC:17301] |
| 3.87E-82 | -0.077906 | 0.089 | 0.142 | 7.82E-78 | NDUFC1 | NADH:ubiquinone oxidoreductase subunit C1 [Source:HGNC Symbol;Acc:HGNC:7705] |
| 2.6E-177 | -0.078629 | 0.009 | 0.053 | 5.3E-173 | ITRNR2L | MT-RNR2 like 1 [Source:HGNC Symbol;Acc:HGNC:37155] |
| 1.43E-33 | -0.078677 | 0.31 | 0.346 | 2.88E-29 | SRP14 | signal recognition particle 14 [Source:HGNC Symbol;Acc:HGNC:11299] |
| 4.7E-104 | -0.079046 | 0.069 | 0.125 | 9.4E-100 | S100A13 | S100 calcium binding protein A13 [Source:HGNC Symbol;Acc:HGNC:10490] |
| 1.8E-108 | -0.079319 | 0.087 | 0.149 | 3.7E-104 | PBP1 | phosphatidylethanolamine binding protein 1 [Source:HGNC Symbol;Acc:HGNC:8630] |
| 6.89E-38 | -0.079506 | 0.225 | 0.264 | 1.39E-33 | UQCRCQ | ubiquinol-cytochrome c reductase complex III subunit VII [Source:HGNC Symbol;Acc:HGNC:29594] |
| 4.11E-96 | -0.079603 | 0.066 | 0.119 | 8.3E-92 | TPM1 | tropomyosin 1 [Source:HGNC Symbol;Acc:HGNC:12010] |
| 1.8E-152 | -0.086028 | 0.045 | 0.107 | 3.6E-148 | SMIM24 | small integral membrane protein 24 [Source:HGNC Symbol;Acc:HGNC:37244] |
| 1.82E-95 | -0.086456 | 0.114 | 0.178 | 3.67E-91 | CD9 | CD9 molecule [Source:HGNC Symbol;Acc:HGNC:1709] |
| 5.3E-60 | -0.086514 | 0.056 | 0.094 | 1.07E-55 | MT1F | metallothionein 1F [Source:HGNC Symbol;Acc:HGNC:7398] |
| 9.91E-20 | -0.086666 | 0.074 | 0.096 | 2E-15 | MT1H | metallothionein 1H [Source:HGNC Symbol;Acc:HGNC:7400] |
| 2.18E-54 | -0.088618 | 0.266 | 0.317 | 4.41E-50 | NDUFA4 | NDUFA4 mitochondrial complex associated [Source:HGNC Symbol;Acc:HGNC:37244] |
| 4.2E-207 | -0.089587 | 0.029 | 0.094 | 8.5E-203 | CDH16 | cadherin 16 [Source:HGNC Symbol;Acc:HGNC:1755] |
| 1.3E-138 | -0.093387 | 0.055 | 0.117 | 2.5E-134 | SOX4 | SRY-box transcription factor 4 [Source:HGNC Symbol;Acc:HGNC:11200] |
| 3.25E-75 | -0.093558 | 0.164 | 0.222 | 6.56E-71 | GSTP1 | glutathione S-transferase pi 1 [Source:HGNC Symbol;Acc:HGNC:4638] |
| 5.8E-135 | -0.094238 | 0.1 | 0.173 | 1.2E-130 | NGFRAP1 | |
| 1.39E-86 | -0.100207 | 0.142 | 0.202 | 2.81E-82 | COX5B | cytochrome c oxidase subunit 5B [Source:HGNC Symbol;Acc:HGNC:2269] |
| 7.1E-258 | -0.102787 | 0.008 | 0.067 | 1.4E-253 | SLC5A12 | solute carrier family 5 member 12 [Source:HGNC Symbol;Acc:HGNC:28750] |
| 6.9E-232 | -0.104945 | 0.049 | 0.132 | 1.4E-227 | EMX2 | empty spiracles homeobox 2 [Source:HGNC Symbol;Acc:HGNC:3341] |
| 2.7E-159 | -0.106004 | 0.073 | 0.146 | 5.4E-155 | ATP1A1 | ATPase Na ⁺ /K ⁺ transporting subunit alpha 1 [Source:HGNC Symbol;Acc:HGNC:799] |
| 3.61E-43 | -0.107668 | 0.394 | 0.43 | 7.3E-39 | ITM2B | integral membrane protein 2B [Source:HGNC Symbol;Acc:HGNC:6174] |
| 1.1E-183 | -0.109873 | 0.017 | 0.069 | 2.2E-179 | TMEM52B | transmembrane protein 52B [Source:HGNC Symbol;Acc:HGNC:26438] |
| 2.5E-144 | -0.111161 | 0.089 | 0.161 | 5.1E-140 | WBP5 | |
| 8.5E-220 | -0.114523 | 1 | 1 | 1.7E-215 | MT-CO1 | mitochondrially encoded cytochrome c oxidase I [Source:HGNC Symbol;Acc:HGNC:7419] |
| 1.7E-272 | -0.116162 | 0.037 | 0.122 | 3.4E-268 | MUC1 | mucin 1, cell surface associated [Source:HGNC Symbol;Acc:HGNC:7508] |
| 5.4E-218 | -0.116598 | 0.027 | 0.093 | 1.1E-213 | PIGR | polymeric immunoglobulin receptor [Source:HGNC Symbol;Acc:HGNC:8968] |
| 2E-201 | -0.118354 | 0.017 | 0.074 | 4.1E-197 | FXYP4 | FXYP domain containing ion transport regulator 4 [Source:HGNC Symbol;Acc:HGNC:4028] |
| 0 | -0.122981 | 0.002 | 0.07 | 0 | SPINK1 | serine peptidase inhibitor, Kazal type 1 [Source:HGNC Symbol;Acc:HGNC:11244] |
| 2.9E-126 | -0.126977 | 0.032 | 0.082 | 5.9E-122 | SLC12A1 | solute carrier family 12 member 1 [Source:HGNC Symbol;Acc:HGNC:10910] |
| 2.6E-214 | -0.132925 | 0.995 | 0.997 | 5.2E-210 | MT-ND2 | mitochondrially encoded NADH:ubiquinone oxidoreductase core subunit 2 [Source:HGNC Symbol;Acc:HGNC:7456] |
| 3.4E-267 | -0.142459 | 0.995 | 0.997 | 6.9E-263 | MT-ATP6 | mitochondrially encoded ATP synthase membrane subunit 6 [Source:HGNC Symbol;Acc:HGNC:7414] |
| 6.8E-150 | -0.145223 | 0.081 | 0.153 | 1.4E-145 | MT1E | metallothionein 1E [Source:HGNC Symbol;Acc:HGNC:7397] |
| 4.17E-54 | -0.147126 | 0.331 | 0.383 | 8.43E-50 | MT2A | metallothionein 2A [Source:HGNC Symbol;Acc:HGNC:7406] |
| 0 | -0.149393 | 1 | 1 | 0 | MT-CO3 | mitochondrially encoded cytochrome c oxidase III [Source:HGNC Symbol;Acc:HGNC:7422] |
| 3.5E-215 | -0.15193 | 0.185 | 0.303 | 7.1E-211 | IGFBP7 | insulin like growth factor binding protein 7 [Source:HGNC Symbol;Acc:HGNC:5476] |
| 8.2E-235 | -0.156502 | 0.035 | 0.111 | 1.7E-230 | MMP7 | matrix metalloproteinase 7 [Source:HGNC Symbol;Acc:HGNC:7174] |
| 0 | -0.163257 | 1 | 1 | 0 | MT-ND4 | mitochondrially encoded NADH:ubiquinone oxidoreductase core subunit 4 [Source:HGNC Symbol;Acc:HGNC:7459] |
| 6.2E-204 | -0.169713 | 0.064 | 0.149 | 1.3E-199 | IGFBP5 | insulin like growth factor binding protein 5 [Source:HGNC Symbol;Acc:HGNC:5474] |
| 5.59E-28 | -0.170534 | 0.172 | 0.205 | 1.13E-23 | MT1X | metallothionein 1X [Source:HGNC Symbol;Acc:HGNC:7405] |
| 0 | -0.177199 | 0.044 | 0.143 | 0 | CRYAB | crystallin alpha B [Source:HGNC Symbol;Acc:HGNC:2389] |
| 0 | -0.178414 | 1 | 1 | 0 | MT-CO2 | mitochondrially encoded cytochrome c oxidase II [Source:HGNC Symbol;Acc:HGNC:7421] |
| 1.9E-265 | -0.179665 | 0.1 | 0.209 | 3.9E-261 | HES1 | hes family bHLH transcription factor 1 [Source:HGNC Symbol;Acc:HGNC:5192] |
| 1.4E-186 | -0.184109 | 0.329 | 0.427 | 2.8E-182 | ATP5I | |
| 2.4E-169 | -0.189938 | 0.037 | 0.1 | 4.8E-165 | UMOD | uromodulin [Source:HGNC Symbol;Acc:HGNC:12559] |
| 2.6E-173 | -0.190719 | 0.152 | 0.236 | 5.2E-169 | MT-ATP8 | mitochondrially encoded ATP synthase membrane subunit 8 [Source:HGNC Symbol;Acc:HGNC:7415] |
| 3.9E-287 | -0.192742 | 0.171 | 0.297 | 7.8E-283 | DSTN | destrin, actin depolymerizing factor [Source:HGNC Symbol;Acc:HGNC:15750] |
| 1.9E-248 | -0.197461 | 0.058 | 0.148 | 3.9E-244 | CXCL14 | C-X-C motif chemokine ligand 14 [Source:HGNC Symbol;Acc:HGNC:10640] |
| 0 | -0.200632 | 0.087 | 0.227 | 0 | CD24 | CD24 molecule [Source:HGNC Symbol;Acc:HGNC:1645] |
| 0 | -0.223201 | 0.142 | 0.274 | 0 | HSPB1 | heat shock protein family B (small) member 1 [Source:HGNC Symbol;Acc:HGNC:5246] |
| 0 | -0.232051 | 0.986 | 0.993 | 0 | MT-CYB | mitochondrially encoded cytochrome b [Source:HGNC Symbol;Acc:HGNC:7427] |
| 6E-307 | -0.242056 | 0.154 | 0.287 | 1.2E-302 | ADIRF | adipogenesis regulatory factor [Source:HGNC Symbol;Acc:HGNC:24043] |
| 0 | -0.254495 | 0.106 | 0.229 | 0 | TRNR2L | MT-RNR2 like 12 [Source:HGNC Symbol;Acc:HGNC:37169] |
| 1.7E-301 | -0.264382 | 0.391 | 0.518 | 3.4E-297 | S100A6 | S100 calcium binding protein A6 [Source:HGNC Symbol;Acc:HGNC:10496] |
| 2.93E-44 | -0.270181 | 0.193 | 0.24 | 5.93E-40 | MT1G | metallothionein 1G [Source:HGNC Symbol;Acc:HGNC:7399] |
| 0 | -0.281612 | 0.148 | 0.382 | 0 | SPP1 | secreted phosphoprotein 1 [Source:HGNC Symbol;Acc:HGNC:11255] |
| 0 | -0.286619 | 0.018 | 0.156 | 0 | S100A2 | S100 calcium binding protein A2 [Source:HGNC Symbol;Acc:HGNC:10492] |
| 0 | -0.339943 | 0.107 | 0.312 | 0 | FXYP2 | FXYP domain containing ion transport regulator 2 [Source:HGNC Symbol;Acc:HGNC:4026] |
| 0 | -0.3402 | 0.104 | 0.27 | 0 | CLU | clusterin [Source:HGNC Symbol;Acc:HGNC:2095] |
| 0 | -0.376388 | 0.864 | 0.909 | 0 | MT-ND5 | mitochondrially encoded NADH:ubiquinone oxidoreductase core subunit 5 [Source:HGNC Symbol;Acc:HGNC:7461] |
| 0 | -0.387977 | 0.065 | 0.272 | 0 | DEFB1 | defensin beta 1 [Source:HGNC Symbol;Acc:HGNC:2766] |
| 0 | -0.402613 | 0.116 | 0.341 | 0 | ATP1B1 | ATPase Na ⁺ /K ⁺ transporting subunit beta 1 [Source:HGNC Symbol;Acc:HGNC:804] |
| 0 | -0.432941 | 0.937 | 0.967 | 0 | MT-ND1 | mitochondrially encoded NADH:ubiquinone oxidoreductase core subunit 1 [Source:HGNC Symbol;Acc:HGNC:7455] |
| 0 | -0.464177 | 0.046 | 0.291 | 0 | WFDC2 | WAP four-disulfide core domain 2 [Source:HGNC Symbol;Acc:HGNC:15939] |
| 0 | -0.504495 | 0.759 | 0.826 | 0 | MT-ND4L | mitochondrially encoded NADH:ubiquinone oxidoreductase core subunit 4L [Source:HGNC Symbol;Acc:HGNC:7460] |