

| Gene identifier | Log2 fold change (co-cultured vs. worm-free) | Adjusted p-value | Product name | Product description |
|-----------------|---|------------------|--------------|---|
| ENSG00000175832 | 4.42 | 1.43E-175 | ETV4 | ets variant 4 |
| ENSG00000120738 | 4.12 | 2.18E-91 | EGR1 | early growth response 1 |
| ENSG00000244405 | 3.69 | 1.48E-137 | ETV5 | ets variant 5 |
| ENSG00000102195 | 3.52 | 2.34E-66 | GPR50 | G protein-coupled receptor 50 |
| ENSG00000187678 | 3.51 | 1.14E-64 | SPRY4 | sprouty RTK signaling antagonist 4 |
| ENSG00000174460 | 3.35 | 2.57E-247 | ZCCHC12 | zinc finger; CCHC domain containing 12 |
| ENSG00000181773 | 3.19 | 1.67E-63 | GPR3 | G protein-coupled receptor 3 |
| ENSG00000198576 | 3.17 | 2.75E-79 | ARC | activity-regulated cytoskeleton-associated protein |
| ENSG00000160712 | 2.84 | 1.63E-82 | IL6R | interleukin 6 receptor |
| ENSG00000196878 | 2.82 | 2.03E-36 | LAMB3 | laminin subunit beta 3 |
| ENSG00000179388 | 2.81 | 5.35E-45 | EGR3 | early growth response 3 |
| ENSG00000135046 | 2.78 | 1.34E-36 | ANXA1 | annexin A1 |
| ENSG00000138119 | 2.77 | 6.88E-41 | MYOF | myoferlin |
| ENSG00000128564 | 2.57 | 2.44E-32 | VGf | VGf nerve growth factor inducible |
| ENSG00000170345 | 2.53 | 6.59E-37 | FOS | FBJ murine osteosarcoma viral oncogene homolog |
| ENSG00000139318 | 2.43 | 1.63E-33 | DUSP6 | dual specificity phosphatase 6 |
| ENSG00000168079 | 2.39 | 4.15E-30 | SCARA5 | scavenger receptor class A member 5 |
| | | | | v-maf avian musculoaponeurotic fibrosarcoma oncogene |
| ENSG00000185022 | 2.36 | 1.52E-38 | MAFF | homolog F |
| ENSG00000147041 | 2.32 | 2.70E-98 | SYTL5 | synaptotagmin like 5 |
| ENSG0000026508 | 2.29 | 1.52E-48 | CD44 | CD44 molecule (Indian blood group) |
| ENSG00000144655 | 2.29 | 4.66E-41 | CSRNP1 | cysteine-serine-rich nuclear protein 1 |
| ENSG00000006128 | 2.21 | 5.32E-25 | TAC1 | tachykinin precursor 1 |
| ENSG00000142627 | 2.19 | 4.18E-83 | EPHA2 | EPH receptor A2 |
| ENSG00000138166 | 2.15 | 2.31E-60 | DUSP5 | dual specificity phosphatase 5 |
| ENSG00000138772 | 2.11 | 9.61E-24 | ANXA3 | annexin A3 |
| ENSG00000006327 | 2.06 | 1.12E-19 | TNFRSF12A | tumor necrosis factor receptor superfamily member 12A |
| ENSG00000125740 | 2.06 | 1.80E-30 | FOSB | FBJ murine osteosarcoma viral oncogene homolog B |

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|-----------------|------|-------------------|---|
| ENSG00000159216 | 2.05 | 3.49E-59 RUNX1 | runt-related transcription factor 1 |
| ENSG00000166886 | 2.01 | 1.47E-46 NAB2 | NGFI-A binding protein 2 (EGR1 binding protein 2) |
| ENSG00000140859 | 1.99 | 2.45E-44 KIFC3 | kinesin family member C3 |
| ENSG00000041982 | 1.99 | 3.45E-18 TNC | tenascin C |
| ENSG00000133101 | 1.98 | 1.97E-17 CCNA1 | cyclin A1 |
| ENSG0000013588 | 1.96 | 3.44E-36 GPRC5A | G protein-coupled receptor; class C; group 5; member A |
| ENSG00000104419 | 1.94 | 7.07E-69 NDRG1 | N-myc downstream regulated 1 |
| ENSG00000175592 | 1.93 | 1.58E-48 FOSL1 | FOS-like antigen 1 |
| ENSG00000058085 | 1.92 | 5.09E-19 LAMC2 | laminin subunit gamma 2 |
| ENSG00000166401 | 1.9 | 3.60E-17 SERPINB8 | serpin peptidase inhibitor; clade B (ovalbumin); member 8 |
| ENSG00000134107 | 1.89 | 5.42E-65 BHLHE40 | basic helix-loop-helix family member e40 |
| ENSG00000105825 | 1.88 | 2.97E-21 TFPI2 | tissue factor pathway inhibitor 2 |
| ENSG00000164949 | 1.88 | 4.04E-28 GEM | GTP binding protein overexpressed in skeletal muscle sushi; von Willebrand factor type A; EGF and pentraxin domain containing 1 |
| ENSG00000165124 | 1.87 | 3.64E-39 SVEP1 | G protein-coupled receptor; class C; group 5; member C |
| ENSG00000170412 | 1.87 | 6.25E-23 GPRC5C | ADAM metallopeptidase with thrombospondin type 1 motif 16 |
| ENSG00000145536 | 1.86 | 5.34E-17 ADAMTS16 | major facilitator superfamily domain containing 2A |
| ENSG00000168389 | 1.86 | 1.30E-47 MFSD2A | polymerase I and transcript release factor |
| ENSG00000177469 | 1.86 | 5.75E-51 PTRF | dual specificity phosphatase 4 |
| ENSG00000120875 | 1.85 | 6.48E-36 DUSP4 | solute carrier family 6 (neutral amino acid transporter); member 17 |
| ENSG00000197106 | 1.84 | 1.01E-18 SLC6A17 | limb bud and heart development |
| ENSG00000213626 | 1.83 | 1.18E-22 LBH | paired box 5 |
| ENSG00000196092 | 1.82 | 5.00E-14 PAX5 | pleckstrin homology domain containing A4 |
| ENSG00000105559 | 1.82 | 3.05E-19 PLEKHA4 | cholinergic receptor; muscarinic 3 |
| ENSG00000133019 | 1.82 | 1.70E-32 CHRM3 | AHNAK nucleoprotein |
| ENSG00000124942 | 1.81 | 1.29E-32 AHNAK | fatty acid desaturase 3 |
| ENSG00000221968 | 1.8 | 1.44E-43 FADS3 | coronin; actin binding protein; 2B |
| ENSG00000103647 | 1.79 | 4.89E-16 CORO2B | RNA binding motif protein 24 |
| ENSG00000112183 | 1.78 | 5.89E-17 RBM24 | |

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|-----------------|------|--------------------|---|
| ENSG00000171223 | 1.75 | 1.23E-37 JUNB | jun B proto-oncogene |
| ENSG00000130762 | 1.74 | 1.43E-24 ARHGEF16 | Rho guanine nucleotide exchange factor 16 |
| ENSG00000227231 | 1.7 | 1.96E-14 IER3 | immediate early response 3 |
| ENSG00000230128 | 1.7 | 1.96E-14 IER3 | immediate early response 3 |
| ENSG00000235030 | 1.7 | 1.96E-14 IER3 | immediate early response 3 |
| ENSG00000237155 | 1.7 | 1.96E-14 IER3 | immediate early response 3 |
| ENSG00000175793 | 1.69 | 1.84E-18 SFN | stratifin |
| ENSG00000137090 | 1.67 | 5.78E-13 DMRT1 | doublesex and mab-3 related transcription factor 1 |
| ENSG00000153294 | 1.67 | 2.17E-12 ADGRF4 | adhesion G protein-coupled receptor F4 |
| ENSG00000154342 | 1.67 | 2.00E-15 WNT3A | wingless-type MMTV integration site family member 3A |
| ENSG00000130513 | 1.66 | 6.78E-13 GDF15 | growth differentiation factor 15 |
| ENSG00000170421 | 1.66 | 1.21E-13 KRT8 | keratin 8; type II |
| ENSG00000111799 | 1.66 | 3.56E-13 COL12A1 | collagen; type XII; alpha 1 |
| ENSG00000107954 | 1.65 | 9.66E-14 NEURL1 | neuralized E3 ubiquitin protein ligase 1 |
| ENSG00000163191 | 1.64 | 2.14E-64 S100A11 | S100 calcium binding protein A11 |
| ENSG00000182674 | 1.63 | 1.67E-12 KCNB2 | potassium channel; voltage gated Shab related subfamily B; member 2 |
| ENSG00000198910 | 1.61 | 2.65E-11 L1CAM | L1 cell adhesion molecule |
| ENSG00000152784 | 1.61 | 1.78E-21 PRDM8 | PR domain containing 8 |
| ENSG00000154127 | 1.61 | 2.76E-27 UBASH3B | ubiquitin associated and SH3 domain containing B |
| ENSG00000165801 | 1.61 | 1.27E-32 ARHGEF40 | Rho guanine nucleotide exchange factor 40 |
| ENSG00000196872 | 1.6 | 5.51E-16 KIAA1211L | KIAA1211-like |
| ENSG00000183696 | 1.58 | 6.02E-31 UPP1 | uridine phosphorylase 1 |
| ENSG00000142227 | 1.58 | 3.91E-33 EMP3 | epithelial membrane protein 3 |
| ENSG00000116016 | 1.58 | 1.26E-41 EPAS1 | endothelial PAS domain protein 1 |
| ENSG00000006468 | 1.57 | 1.57E-36 ETV1 | ets variant 1 |
| ENSG00000132031 | 1.57 | 8.89E-13 MATN3 | matrilin 3 |
| ENSG00000099860 | 1.57 | 1.13E-16 GADD45B | growth arrest and DNA damage inducible beta |
| ENSG00000116285 | 1.57 | 6.48E-88 ERRF1 | ERBB receptor feedback inhibitor 1 |
| ENSG00000075618 | 1.57 | 2.05E-41 FSCN1 | fascin actin-bundling protein 1 |

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|-----------------|------|----------|----------|--|
| ENSG00000100065 | 1.56 | 9.26E-34 | CARD10 | caspase recruitment domain family member 10 |
| ENSG00000140465 | 1.56 | 4.91E-11 | CYP1A1 | cytochrome P450 family 1 subfamily A member 1 |
| ENSG00000152779 | 1.56 | 1.20E-10 | SLC16A12 | solute carrier family 16 member 12 |
| ENSG00000172346 | 1.55 | 1.03E-10 | CSDC2 | cold shock domain containing C2; RNA binding |
| ENSG00000159784 | 1.55 | 8.26E-11 | FAM131B | family with sequence similarity 131 member B |
| ENSG00000113070 | 1.55 | 1.32E-15 | HBEGF | heparin-binding EGF-like growth factor |
| ENSG00000113430 | 1.54 | 3.55E-10 | IRX4 | iroquois homeobox 4 |
| ENSG00000136158 | 1.51 | 4.27E-50 | SPRY2 | sprouty RTK signaling antagonist 2 |
| ENSG00000166145 | 1.51 | 2.79E-12 | SPINT1 | serine peptidase inhibitor; Kunitz type 1 |
| ENSG00000131435 | 1.51 | 2.45E-22 | PDLIM4 | PDZ and LIM domain 4 |
| ENSG00000118777 | 1.51 | 5.96E-18 | ABCG2 | ATP binding cassette subfamily G member 2 (Junior blood group) |
| ENSG00000162458 | 1.5 | 1.82E-18 | FBLIM1 | filamin binding LIM protein 1 |
| ENSG00000122877 | 1.47 | 4.07E-11 | EGR2 | early growth response 2 |
| ENSG00000127824 | 1.47 | 9.52E-12 | TUBA4A | tubulin alpha 4a |
| ENSG00000188643 | 1.47 | 2.47E-09 | S100A16 | S100 calcium binding protein A16 |
| ENSG00000087074 | 1.46 | 1.59E-23 | PPP1R15A | protein phosphatase 1 regulatory subunit 15A |
| ENSG00000132688 | 1.46 | 2.49E-16 | NES | nestin |
| ENSG00000137331 | 1.46 | 4.63E-10 | IER3 | immediate early response 3 |
| ENSG00000109321 | 1.45 | 2.83E-09 | AREG | amphiregulin |
| ENSG00000176845 | 1.45 | 1.90E-15 | METRNL | meteorin; glial cell differentiation regulator-like |
| ENSG00000167550 | 1.45 | 1.33E-09 | RHEBL1 | Ras homolog enriched in brain like 1 |
| ENSG00000131015 | 1.44 | 3.43E-15 | ULBP2 | UL16 binding protein 2 |
| ENSG00000129226 | 1.44 | 8.92E-12 | CD68 | CD68 molecule |
| ENSG00000164251 | 1.43 | 4.41E-61 | F2RL1 | coagulation factor II (thrombin) receptor-like 1 |
| ENSG00000108018 | 1.43 | 2.88E-09 | SORCS1 | sortilin-related VPS10 domain containing receptor 1 |
| ENSG00000273793 | 1.41 | 8.61E-12 | DUSP8 | dual specificity phosphatase 8 |
| ENSG00000206538 | 1.4 | 3.33E-20 | VGLL3 | vestigial like family member 3 |
| ENSG00000160888 | 1.4 | 2.47E-87 | IER2 | immediate early response 2 |
| ENSG00000164877 | 1.4 | 4.00E-16 | MICALL2 | MICAL-like 2 |

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|-----------------|------|-----------|----------|---|
| ENSG00000105329 | 1.39 | 1.05E-101 | TGFB1 | transforming growth factor beta 1 |
| ENSG00000085563 | 1.38 | 1.36E-26 | ABCB1 | ATP binding cassette subfamily B member 1 |
| ENSG00000183186 | 1.38 | 9.11E-10 | C2CD4C | C2 calcium-dependent domain containing 4C |
| ENSG00000158715 | 1.37 | 2.20E-18 | SLC45A3 | solute carrier family 45 member 3 |
| ENSG00000102755 | 1.37 | 9.28E-32 | FLT1 | fms-related tyrosine kinase 1 |
| ENSG00000173267 | 1.37 | 2.17E-08 | SNCG | synuclein gamma |
| ENSG00000166897 | 1.37 | 7.30E-09 | ELFN2 | extracellular leucine-rich repeat and fibronectin type III domain containing 2 |
| ENSG00000136826 | 1.36 | 3.02E-21 | KLF4 | Kruppel-like factor 4 (gut) |
| ENSG00000197261 | 1.36 | 1.30E-20 | C6orf141 | chromosome 6 open reading frame 141 |
| ENSG00000131981 | 1.36 | 1.56E-29 | LGALS3 | lectin; galactoside-binding; soluble; 3 |
| ENSG00000095752 | 1.36 | 4.12E-08 | IL11 | interleukin 11 |
| ENSG00000059804 | 1.36 | 9.18E-10 | SLC2A3 | solute carrier family 2 (facilitated glucose transporter); member 3 |
| ENSG00000121281 | 1.35 | 2.18E-09 | ADCY7 | adenylate cyclase 7 |
| ENSG00000107249 | 1.35 | 5.35E-10 | GLIS3 | GLIS family zinc finger 3 |
| ENSG00000074211 | 1.35 | 6.66E-25 | PPP2R2C | protein phosphatase 2 regulatory subunit B; gamma |
| ENSG00000135424 | 1.35 | 2.96E-14 | ITGA7 | integrin subunit alpha 7 |
| ENSG00000167244 | 1.34 | 1.36E-08 | IGF2 | insulin like growth factor 2 |
| ENSG00000164951 | 1.33 | 8.91E-36 | PDP1 | pyruvate dehydrogenase phosphatase catalytic subunit 1 |
| ENSG00000142871 | 1.33 | 6.63E-12 | CYR61 | cysteine-rich; angiogenic inducer; 61 |
| ENSG00000165272 | 1.32 | 5.07E-09 | AQP3 | aquaporin 3 (Gill blood group) |
| ENSG00000160886 | 1.32 | 1.47E-10 | LY6K | lymphocyte antigen 6 complex; locus K |
| ENSG00000143369 | 1.32 | 6.82E-08 | ECM1 | extracellular matrix protein 1 |
| ENSG00000064300 | 1.32 | 8.16E-08 | NGFR | nerve growth factor receptor |
| ENSG00000142867 | 1.32 | 3.20E-40 | BCL10 | B-cell CLL/lymphoma 10 |
| ENSG00000155090 | 1.31 | 2.93E-29 | KLF10 | Kruppel-like factor 10 |
| ENSG00000115616 | 1.31 | 1.52E-10 | SLC9A2 | solute carrier family 9; subfamily A (NHE2; cation proton antiporter 2); member 2 |
| ENSG00000162873 | 1.31 | 1.41E-07 | KLHDC8A | kelch domain containing 8A |

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|-----------------|------|----------|-----------|---|
| ENSG00000100097 | 1.3 | 2.46E-11 | LGALS1 | lectin; galactoside-binding; soluble; 1 |
| ENSG00000236509 | 1.3 | 1.15E-07 | RPL21P133 | ribosomal protein L21 pseudogene 133 |
| ENSG00000143320 | 1.3 | 6.35E-08 | CRABP2 | cellular retinoic acid binding protein 2 |
| ENSG00000127585 | 1.3 | 5.79E-09 | FBXL16 | F-box and leucine-rich repeat protein 16 |
| ENSG00000142621 | 1.29 | 7.65E-09 | FHAD1 | forkhead-associated (FHA) phosphopeptide binding domain 1 |
| ENSG00000145623 | 1.29 | 1.43E-16 | OSMR | oncostatin M receptor |
| ENSG00000176170 | 1.29 | 6.22E-11 | SPHK1 | sphingosine kinase 1 |
| ENSG00000173930 | 1.29 | 1.02E-12 | SLCO4C1 | solute carrier organic anion transporter family member 4C1 |
| ENSG0000013619 | 1.28 | 1.17E-09 | MAMLD1 | mastermind like domain containing 1 |
| ENSG00000104856 | 1.28 | 1.53E-12 | RELB | v-rel avian reticuloendotheliosis viral oncogene homolog B |
| ENSG00000109956 | 1.28 | 4.66E-09 | B3GAT1 | beta-1;3-glucuronyltransferase 1 |
| ENSG00000115641 | 1.28 | 3.09E-20 | FHL2 | four and a half LIM domains 2 |
| ENSG00000138061 | 1.28 | 5.00E-14 | CYP1B1 | cytochrome P450 family 1 subfamily B member 1 |
| ENSG00000120885 | 1.28 | 1.28E-17 | CLU | clusterin |
| ENSG00000120318 | 1.28 | 1.86E-10 | ARAP3 | ArfGAP with RhoGAP domain; ankyrin repeat and PH domain 3 |
| ENSG00000174130 | 1.28 | 6.37E-08 | TLR6 | toll-like receptor 6 |
| ENSG00000166831 | 1.28 | 2.35E-16 | RBPMS2 | RNA binding protein with multiple splicing 2 |
| ENSG00000077150 | 1.27 | 5.71E-20 | NFKB2 | nuclear factor of kappa light polypeptide gene enhancer in B-cells 2 (p49/p100) |
| ENSG00000124813 | 1.27 | 1.71E-08 | RUNX2 | runt-related transcription factor 2 |
| ENSG00000102879 | 1.27 | 8.09E-12 | CORO1A | coronin; actin binding protein; 1A |
| ENSG00000187479 | 1.27 | 2.11E-09 | C11orf96 | chromosome 11 open reading frame 96 |
| ENSG00000120129 | 1.26 | 1.16E-30 | DUSP1 | dual specificity phosphatase 1 |
| ENSG00000120949 | 1.26 | 4.01E-07 | TNFRSF8 | tumor necrosis factor receptor superfamily member 8 |
| ENSG00000172020 | 1.26 | 2.39E-07 | GAP43 | growth associated protein 43 |
| ENSG00000235750 | 1.26 | 6.11E-12 | KIAA0040 | KIAA0040 |
| ENSG00000104998 | 1.26 | 1.39E-14 | IL27RA | interleukin 27 receptor subunit alpha |
| ENSG00000134668 | 1.25 | 4.62E-07 | SPOCD1 | SPOC domain containing 1 |
| ENSG00000112297 | 1.25 | 4.02E-08 | AIM1 | absent in melanoma 1 |

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|-----------------|------|----------|----------|---|
| ENSG00000127124 | 1.25 | 1.69E-13 | HIVEP3 | human immunodeficiency virus type I enhancer binding protein 3 |
| ENSG00000156463 | 1.25 | 1.91E-07 | SH3RF2 | SH3 domain containing ring finger 2 |
| ENSG00000170542 | 1.24 | 4.39E-10 | SERPINB9 | serpin peptidase inhibitor; clade B (ovalbumin); member 9 |
| ENSG00000180535 | 1.24 | 3.61E-09 | BHLHA15 | basic helix-loop-helix family member a15 |
| ENSG00000152137 | 1.24 | 2.74E-07 | HSPB8 | heat shock protein family B (small) member 8 |
| ENSG00000221955 | 1.23 | 8.19E-07 | SLC12A8 | solute carrier family 12; member 8 |
| ENSG00000113319 | 1.22 | 6.36E-10 | RASGRF2 | Ras protein specific guanine nucleotide releasing factor 2 |
| ENSG00000105419 | 1.21 | 1.49E-10 | MEIS3 | Meis homeobox 3 |
| ENSG00000124920 | 1.21 | 2.47E-09 | MYRF | myelin regulatory factor |
| ENSG00000163297 | 1.2 | 2.15E-33 | ANTXR2 | anthrax toxin receptor 2 |
| ENSG00000168505 | 1.2 | 1.59E-12 | GBX2 | gastrulation brain homeobox 2 |
| ENSG00000112541 | 1.2 | 2.83E-17 | PDE10A | phosphodiesterase 10A |
| ENSG00000171017 | 1.2 | 1.54E-18 | LRRC8E | leucine-rich repeat containing 8 family member E |
| ENSG00000101000 | 1.2 | 2.01E-24 | PROCR | protein C receptor |
| ENSG00000131398 | 1.19 | 2.47E-14 | KCNC3 | potassium channel; voltage gated Shaw related subfamily C; member 3 |
| ENSG00000170485 | 1.19 | 2.34E-20 | NPAS2 | neuronal PAS domain protein 2 |
| ENSG00000174004 | 1.19 | 1.14E-06 | NRROS | negative regulator of reactive oxygen species |
| ENSG00000205927 | 1.19 | 2.38E-16 | OLIG2 | oligodendrocyte lineage transcription factor 2 |
| ENSG00000197019 | 1.19 | 1.82E-10 | SERTAD1 | SERTA domain containing 1 |
| ENSG00000143850 | 1.19 | 1.04E-08 | PLEKHA6 | pleckstrin homology domain containing A6 |
| ENSG00000106236 | 1.19 | 1.19E-11 | NPTX2 | neuronal pentraxin II |
| ENSG00000010404 | 1.19 | 2.13E-96 | IDS | iduronate 2-sulfatase |
| ENSG00000121900 | 1.18 | 7.40E-09 | TMEM54 | transmembrane protein 54 |
| ENSG00000171617 | 1.18 | 2.41E-49 | ENC1 | ectodermal-neural cortex 1 (with BTB domain) |
| ENSG00000111057 | 1.18 | 7.17E-67 | KRT18 | keratin 18; type I |
| ENSG00000084710 | 1.18 | 4.28E-15 | EFR3B | EFR3 homolog B |
| ENSG00000116852 | 1.18 | 3.52E-09 | KIF21B | kinesin family member 21B |
| ENSG00000120549 | 1.18 | 3.13E-14 | KIAA1217 | KIAA1217 |

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|-----------------|------|----------|---------------|---|
| ENSG00000157613 | 1.18 | 6.29E-07 | CREB3L1 | cAMP responsive element binding protein 3-like 1 |
| ENSG00000101670 | 1.17 | 4.40E-13 | LIPG | lipase; endothelial |
| ENSG00000039068 | 1.17 | 1.29E-08 | CDH1 | cadherin 1; type 1 |
| ENSG00000188766 | 1.17 | 8.15E-08 | SPRED3 | sprouty-related; EVH1 domain containing 3 |
| ENSG00000087085 | 1.16 | 1.78E-06 | ACHE | acetylcholinesterase (Yt blood group) |
| ENSG00000118523 | 1.16 | 3.58E-06 | CTGF | connective tissue growth factor |
| ENSG00000135919 | 1.16 | 2.59E-18 | SERPINE2 | serpin peptidase inhibitor; clade E (nexin; plasminogen activator inhibitor type 1); member 2 |
| ENSG00000197321 | 1.16 | 5.83E-31 | SVIL | supervillin |
| ENSG00000166900 | 1.15 | 1.20E-19 | STX3 | syntaxin 3 |
| ENSG00000205542 | 1.15 | 1.89E-23 | TMSB4X | thymosin beta 4; X-linked |
| ENSG00000158555 | 1.15 | 1.67E-08 | GDPD5 | glycerophosphodiester phosphodiesterase domain containing 5 |
| ENSG00000118503 | 1.14 | 4.62E-13 | TNFAIP3 | TNF alpha induced protein 3 |
| ENSG00000112378 | 1.14 | 4.43E-39 | PERP | PERP; TP53 apoptosis effector |
| ENSG00000173546 | 1.14 | 5.40E-06 | CSPG4 | chondroitin sulfate proteoglycan 4 |
| ENSG00000007384 | 1.14 | 3.29E-06 | RHBDF1 | rhomoid 5 homolog 1 (Drosophila) |
| ENSG00000156113 | 1.14 | 3.79E-07 | KCNMA1 | potassium channel; calcium activated large conductance subfamily M alpha; member 1 |
| ENSG00000164626 | 1.14 | 3.95E-22 | KCNK5 | potassium channel; two pore domain subfamily K; member 5 |
| ENSG00000011422 | 1.13 | 1.56E-12 | PLAUR | plasminogen activator; urokinase receptor |
| ENSG00000198369 | 1.13 | 5.35E-45 | SPRED2 | sprouty-related; EVH1 domain containing 2 |
| ENSG00000170006 | 1.13 | 1.06E-07 | TMEM154 | transmembrane protein 154 |
| ENSG00000112769 | 1.13 | 1.04E-36 | LAMA4 | laminin subunit alpha 4 |
| ENSG00000179855 | 1.13 | 3.56E-14 | GIPC3 | GIPC PDZ domain containing family member 3 |
| ENSG00000217801 | 1.12 | 4.53E-08 | RP11-465B22.3 | NA |
| ENSG00000087245 | 1.12 | 4.41E-06 | MMP2 | matrix metalloproteinase 2 |
| ENSG00000145555 | 1.12 | 7.11E-35 | MYO10 | myosin X |
| ENSG00000077238 | 1.12 | 8.19E-11 | IL4R | interleukin 4 receptor |
| ENSG00000005471 | 1.12 | 1.55E-08 | ABCB4 | ATP binding cassette subfamily B member 4 |
| ENSG00000112782 | 1.12 | 8.35E-06 | CLIC5 | chloride intracellular channel 5 |

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|-----------------|------|----------|---------|--|
| ENSG00000105974 | 1.12 | 3.71E-11 | CAV1 | caveolin 1 |
| ENSG00000132692 | 1.11 | 1.00E-06 | BCAN | brevican |
| ENSG00000163273 | 1.11 | 2.87E-12 | NPPC | natriuretic peptide C |
| ENSG00000119139 | 1.11 | 2.06E-42 | TJP2 | tight junction protein 2 |
| ENSG00000051128 | 1.11 | 1.03E-08 | HOMER3 | homer scaffolding protein 3 |
| ENSG00000125730 | 1.11 | 6.53E-06 | C3 | complement component 3 |
| ENSG00000167680 | 1.1 | 4.00E-08 | SEMA6B | sema domain; transmembrane domain (TM); and cytoplasmic domain; (semaphorin) 6B |
| ENSG00000213085 | 1.1 | 1.14E-05 | CFAP45 | cilia and flagella associated protein 45 |
| ENSG00000125462 | 1.1 | 2.87E-08 | C1orf61 | chromosome 1 open reading frame 61 |
| ENSG00000071282 | 1.1 | 1.10E-09 | LMCD1 | LIM and cysteine-rich domains 1 |
| ENSG00000174939 | 1.1 | 4.86E-09 | ASPHD1 | aspartate beta-hydroxylase domain containing 1 |
| ENSG00000169291 | 1.1 | 7.02E-07 | SHE | Src homology 2 domain containing E |
| ENSG00000124145 | 1.1 | 3.59E-11 | SDC4 | syndecan 4 |
| ENSG00000137267 | 1.1 | 3.82E-25 | TUBB2A | tubulin beta 2A class IIa |
| ENSG00000139211 | 1.09 | 1.04E-09 | AMIGO2 | adhesion molecule with Ig-like domain 2 Cbp/p300-interacting transactivator; with Glu/Asp rich carboxy-terminal domain; 1 |
| ENSG00000125931 | 1.09 | 1.41E-06 | CITED1 | |
| ENSG00000168917 | 1.09 | 1.44E-16 | SLC35G2 | solute carrier family 35 member G2 |
| ENSG00000159840 | 1.09 | 2.30E-35 | ZYX | zyxin |
| ENSG00000196754 | 1.08 | 1.56E-05 | S100A2 | S100 calcium binding protein A2 |
| ENSG00000106546 | 1.08 | 5.17E-42 | AHR | aryl hydrocarbon receptor |
| ENSG00000274538 | 1.08 | 1.58E-05 | PHLDA2 | pleckstrin homology-like domain; family A; member 2 |
| ENSG00000166501 | 1.08 | 4.95E-06 | PRKCB | protein kinase C; beta |
| ENSG00000123358 | 1.07 | 1.03E-15 | NR4A1 | nuclear receptor subfamily 4 group A member 1 |
| ENSG00000183570 | 1.07 | 1.02E-05 | PCBP3 | poly(rC) binding protein 3 |
| ENSG00000139289 | 1.07 | 3.40E-08 | PHLDA1 | pleckstrin homology-like domain; family A; member 1 |
| ENSG00000178401 | 1.07 | 3.98E-19 | DNAJC22 | DnaJ heat shock protein family (Hsp40) member C22 |
| ENSG00000243742 | 1.07 | 2.23E-05 | RPLP0P2 | ribosomal protein; large; P0 pseudogene 2 |
| ENSG00000158486 | 1.06 | 2.34E-05 | DNAH3 | dynein; axonemal; heavy chain 3 |

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|-----------------|------|-------------------|--|
| ENSG00000166068 | 1.06 | 1.68E-28 SPRED1 | sprouty-related; EVH1 domain containing 1 apolipoprotein B mRNA editing enzyme; catalytic polypeptide-like 3B |
| ENSG00000179750 | 1.06 | 1.79E-13 APOBEC3B | dermokine |
| ENSG00000161249 | 1.06 | 1.30E-43 DMKN | family with sequence similarity 83 member G |
| ENSG00000188522 | 1.06 | 2.44E-46 FAM83G | tensin 2 |
| ENSG00000111077 | 1.05 | 2.94E-06 TNS2 | calcium channel; voltage-dependent; beta subunit associated regulatory protein |
| ENSG00000099625 | 1.05 | 9.06E-15 CBARP | adenosine A2a receptor |
| ENSG00000128271 | 1.05 | 6.55E-06 ADORA2A | sema domain; immunoglobulin domain (Ig); short basic domain; secreted; (semaphorin) 3D |
| ENSG00000153993 | 1.05 | 2.58E-18 SEMA3D | matrix metalloproteinase 13 |
| ENSG00000137745 | 1.05 | 2.03E-05 MMP13 | FCH domain only 1 |
| ENSG00000130475 | 1.05 | 1.89E-06 FCHO1 | snail family zinc finger 1 |
| ENSG00000124216 | 1.05 | 3.31E-06 SNAI1 | SRY-box 8 |
| ENSG00000005513 | 1.05 | 2.92E-08 SOX8 | phosphoinositide-3-kinase regulatory subunit 5 |
| ENSG00000141506 | 1.04 | 2.85E-05 PIK3R5 | potassium channel; voltage gated eag related subfamily H; member 2 |
| ENSG00000055118 | 1.04 | 4.63E-06 KCNH2 | neuronal guanine nucleotide exchange factor |
| ENSG00000066248 | 1.04 | 2.11E-07 NGEF | mucolipin 3 |
| ENSG00000055732 | 1.04 | 1.36E-18 MCOLN3 | microtubule associated tumor suppressor candidate 2 |
| ENSG00000132938 | 1.04 | 3.62E-05 MTUS2 | EPH receptor B2 |
| ENSG00000133216 | 1.04 | 9.83E-16 EPHB2 | zinc finger; SWIM-type containing 4 |
| ENSG00000132003 | 1.04 | 7.66E-10 ZSWIM4 | CD24 molecule |
| ENSG00000272398 | 1.03 | 7.98E-06 CD24 | elastin microfibril interfacier 2 |
| ENSG00000132205 | 1.03 | 2.72E-21 EMILIN2 | C1q and tumor necrosis factor related protein 1 |
| ENSG00000173918 | 1.03 | 2.99E-11 C1QTNF1 | inositol polyphosphate-1-phosphatase |
| ENSG00000151689 | 1.02 | 2.57E-11 INPP1 | histamine receptor H1 |
| ENSG00000196639 | 1.02 | 6.02E-05 HRH1 | cartilage intermediate layer protein 2 |
| ENSG00000160161 | 1.02 | 7.38E-09 CILP2 | interleukin 15 receptor subunit alpha |
| ENSG00000134470 | 1.02 | 1.34E-12 IL15RA | |

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|-----------------|------|------------------|---|
| ENSG00000135604 | 1.02 | 4.15E-05 STX11 | syntaxin 11 |
| ENSG00000155265 | 1.02 | 6.53E-05 GOLGA7B | golgin A7 family member B |
| ENSG00000179820 | 1.02 | 8.59E-16 MYADM | myeloid-associated differentiation marker |
| ENSG00000196924 | 1.01 | 2.45E-21 FLNA | filamin A |
| ENSG00000010278 | 1.01 | 2.36E-13 CD9 | CD9 molecule |
| ENSG00000171604 | 1.01 | 6.51E-10 CXXC5 | CXXC finger protein 5 |
| ENSG00000107819 | 1.01 | 1.52E-23 SFXN3 | sideroflexin 3 |
| ENSG00000171992 | 1.01 | 5.08E-05 SYNPO | synaptopodin |
| ENSG00000114923 | 1.01 | 5.84E-06 SLC4A3 | solute carrier family 4 (anion exchanger); member 3 |
| ENSG00000141497 | 1.01 | 7.87E-05 ZMYND15 | zinc finger; MYND-type containing 15 |
| ENSG00000180537 | 1.01 | 2.56E-11 RNF182 | ring finger protein 182 |
| ENSG00000165548 | 1 | 3.57E-09 TMEM63C | transmembrane protein 63C |
| ENSG00000163898 | 1 | 4.83E-05 LIPH | lipase; member H |
| ENSG00000100867 | 1 | 5.99E-06 DHRS2 | dehydrogenase/reductase (SDR family) member 2 |