

List 3: Differentially expressed genes of L.g.M-(Lg17) infected BMMφ vs L.g.M+(Lg13) infected BMMφ

| Gene ID | Symbol | Entrez Gene Name | Fold change | p-value |
|---------|----------|---|-------------|----------|
| 17355 | Aff1 | AF4/FMR2 family, member 1 | -2.275 | 7.06E-04 |
| 14268 | Fn1 | fibronectin 1 | -2.178 | 1.87E-03 |
| 71371 | Arid5B | AT rich interactive domain 5B (MRF1-like) | -2.071 | 4.00E-02 |
| 12772 | Ccr2 | chemokine (C-C motif) receptor 2 | -2.035 | 5.54E-04 |
| 218639 | Arl15 | ADP-ribosylation factor-like 15 | -2.028 | 3.48E-02 |
| 20843 | Stag2 | stromal antigen 2 | -2.027 | 1.11E-02 |
| 99498 | Aa419673 | expressed sequence AA419673 | -1.908 | 1.96E-02 |
| 21406 | Tcf12 | transcription factor 12 | -1.880 | 5.29E-03 |
| 11352 | Abl2 | v-abl Abelson murine leukemia viral oncogene homolog 2 (arg, Abelson-related gene) | -1.869 | 4.51E-02 |
| 214899 | Kdm5A | lysine (K)-specific demethylase 5A | -1.851 | 1.72E-06 |
| 19247 | Ptpn11 | protein tyrosine phosphatase, non-receptor type 11 | -1.840 | 1.82E-03 |
| 27418 | Mkln1 | muskelin 1, intracellular mediator containing kelch motifs | -1.840 | 9.54E-03 |
| 65973 | Asph | aspartate beta-hydroxylase | -1.839 | 9.03E-03 |
| 16468 | Jarid2 | jumonji, AT rich interactive domain 2 | -1.818 | 2.87E-03 |
| 78651 | Lsm6 | LSM6 homolog, U6 small nuclear RNA associated (S. cerevisiae) | -1.816 | 3.64E-02 |
| 15945 | Cxcl10 | chemokine (C-X-C motif) ligand 10 | -1.813 | 1.31E-02 |
| 242083 | Ppm1L | protein phosphatase, Mg2+/Mn2+ dependent, 1L | -1.808 | 2.78E-02 |
| 211770 | Trib1 | tribbles homolog 1 (Drosophila) | -1.799 | 1.26E-02 |
| 72238 | Tbc1D5 | TBC1 domain family, member 5 | -1.788 | 2.24E-02 |
| 107975 | Pacs1 | phosphofurin acidic cluster sorting protein 1 | -1.780 | 1.72E-02 |
| 56490 | Ins | insulin | -1.762 | 1.80E-02 |
| 72852 | Mblac2 | metallo-beta-lactamase domain containing 2 | -1.744 | 2.51E-02 |
| 219140 | Spata13 | spermatogenesis associated 13 | -1.735 | 2.48E-03 |
| 20658 | Son | SON DNA binding protein | -1.734 | 2.98E-04 |
| 16173 | Il18 | interleukin 18 (interferon-gamma-inducing factor) | -1.731 | 2.22E-02 |
| 12609 | Cebpd | CCAAT/enhancer binding protein (C/EBP), delta | -1.717 | 2.06E-02 |
| 244895 | Sgk269 | NKF3 kinase family member | -1.714 | 8.63E-03 |
| 231861 | Tnrc18 | trinucleotide repeat containing 18 | -1.702 | 2.75E-02 |
| 230648 | Kiaa0494 | KIAA0494 | -1.697 | 2.33E-05 |
| 11798 | Xiap | X-linked inhibitor of apoptosis | -1.692 | 1.43E-02 |
| 399568 | C15Orf41 | chromosome 15 open reading frame 41 | -1.682 | 1.42E-02 |
| 21399 | Tcea1 | transcription elongation factor A (SII), 1 | -1.681 | 1.30E-02 |
| 22589 | Atrx | alpha thalassemia/mental retardation syndrome X-linked (RAD54 homolog, S. cerevisiae) | -1.679 | 5.37E-04 |
| 52822 | Rufy3 | RUN and FYVE domain containing 3 | -1.670 | 9.41E-05 |
| 110052 | Dek | DEK oncogene | -1.656 | 9.85E-03 |
| 110651 | Rps6Ka3 | ribosomal protein S6 kinase, 90kDa, polypeptide 3 | -1.652 | 8.03E-04 |
| 20874 | Slk | STE20-like kinase (yeast) | -1.652 | 1.70E-03 |
| 19775 | Xpr1 | xenotropic and polytropic retrovirus receptor 1 | -1.647 | 3.91E-04 |
| 236790 | Ddx26B | DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 26B | -1.641 | 6.76E-03 |
| 22042 | Tfrc | transferrin receptor (p90, CD71) | -1.640 | 2.84E-04 |
| 67684 | Luc7L3 | LUC7-like 3 (S. cerevisiae) | -1.637 | 3.27E-02 |
| 11789 | Apc | adenomatous polyposis coli | -1.635 | 1.54E-04 |
| 218865 | Chdh | choline dehydrogenase | -1.634 | 4.04E-03 |
| 13132 | Dab2 | disabled homolog 2, mitogen-responsive phosphoprotein (Drosophila) | -1.626 | 2.87E-05 |
| 54004 | Nudt19 | nudix (nucleoside diphosphate linked moiety X)-type motif 19 | -1.625 | 2.34E-02 |
| 108989 | Tpr | translocated promoter region (to activated MET oncogene) | -1.610 | 1.79E-03 |
| 72289 | Malat1 | metastasis associated lung adenocarcinoma transcript 1 (non-protein coding) | -1.607 | 4.73E-04 |
| 57915 | Col3A1 | collagen, type III, alpha 1 | -1.604 | 9.96E-04 |
| 67487 | Dhx40 | DEAH (Asp-Glu-Ala-His) box polypeptide 40 | -1.595 | 3.44E-02 |
| 17258 | Mef2A | myocyte enhancer factor 2A | -1.591 | 2.88E-06 |
| 19219 | Ptger4 | prostaglandin E receptor 4 (subtype EP4) | -1.586 | 2.19E-03 |
| 14102 | Fas | Fas (TNF receptor superfamily, member 6) | -1.571 | 1.14E-03 |
| 12340 | Capza1 | capping protein (actin filament) muscle Z-line, alpha 1 | -1.569 | 2.54E-02 |
| 16956 | Lpl | lipoprotein lipase | -1.567 | 6.82E-03 |
| 67448 | Plxdc2 | plexin domain containing 2 | -1.564 | 3.48E-02 |
| 72472 | Slc16A10 | solute carrier family 16, member 10 (aromatic amino acid transporter) | -1.563 | 2.79E-05 |

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| 19981 | Rpl37A | ribosomal protein L37a | -1.562 | 3.20E-02 |
| 12363 | Casp4 | caspase 4, apoptosis-related cysteine peptidase | -1.557 | 7.61E-03 |
| 319554 | Idi1 | isopentenyl-diphosphate delta isomerase 1 | -1.555 | 1.05E-02 |
| 110094 | Phka2 | phosphorylase kinase, alpha 2 (liver) | -1.551 | 1.92E-02 |
| 67501 | Ccdc50 | coiled-coil domain containing 50 | -1.551 | 5.43E-03 |
| 20090 | Rps29 | ribosomal protein S29 | -1.528 | 4.82E-02 |
| 244891 | Scaper | S-phase cyclin A-associated protein in the ER | -1.526 | 1.47E-02 |
| 214459 | Fnbp1L | formin binding protein 1-like | -1.525 | 4.69E-02 |
| 108012 | Ap1S2 | adaptor-related protein complex 1, sigma 2 subunit | -1.519 | 1.86E-02 |
| 332175 | Zdhhc23 | zinc finger, DHHC-type containing 23 | -1.518 | 3.33E-02 |
| 67427 | Rps20 | ribosomal protein S20 | -1.517 | 2.42E-03 |
| 66602 | 1700020I14Rik | RIKEN cDNA 1700020I14 gene | -1.516 | 4.46E-02 |
| 212153 | Kiaa1407 | KIAA1407 | -1.515 | 4.90E-02 |
| 24127 | Xrn1 | 5'-3' exoribonuclease 1 | -1.515 | 1.22E-02 |
| 63913 | Fam129A | family with sequence similarity 129, member A | -1.513 | 2.77E-02 |
| 19654 | Rbm6 | RNA binding motif protein 6 | -1.508 | 1.16E-03 |
| 218503 | Fcho2 | FCH domain only 2 | -1.508 | 8.43E-03 |
| 230895 | Vps13D | vacuolar protein sorting 13 homolog D (S. cerevisiae) | -1.506 | 4.63E-02 |
| 12894 | Cpt1A | carnitine palmitoyltransferase 1A (liver) | -1.505 | 7.92E-03 |
| 20203 | S100B | S100 calcium binding protein B | -1.503 | 8.47E-03 |
| 13730 | Emp1 | epithelial membrane protein 1 | 1.501 | 7.48E-03 |
| 321022 | Cdv3 | CDV3 homolog (mouse) | 1.501 | 2.90E-02 |
| 12832 | Col5A2 | collagen, type V, alpha 2 | 1.502 | 1.02E-02 |
| 19223 | Ptgis | prostaglandin I2 (prostacyclin) synthase | 1.502 | 1.64E-03 |
| 68468 | Ly6G6C | lymphocyte antigen 6 complex, locus G6C | 1.504 | 1.71E-04 |
| 67456 | Ergic2 | ERGIC and golgi 2 | 1.505 | 1.37E-02 |
| 80751 | Rnf34 | ring finger protein 34 | 1.505 | 8.61E-05 |
| 18091 | Nkx2-5 | NK2 transcription factor related, locus 5 (Drosophila) | 1.506 | 2.50E-02 |
| 229277 | Stoml3 | stomatin (EPB72)-like 3 | 1.506 | 1.36E-03 |
| 18472 | Pafah1B1 | platelet-activating factor acetylhydrolase 1b, regulatory subunit 1 (45kDa) | 1.510 | 1.74E-03 |
| 60367 | Il1Rap12 | interleukin 1 receptor accessory protein-like 2 | 1.513 | 3.12E-02 |
| 225131 | Wac | WW domain containing adaptor with coiled-coil | 1.514 | 5.46E-03 |
| 75051 | C2Orf77 | chromosome 2 open reading frame 77 | 1.514 | 2.53E-03 |
| 13058 | Cybb | cytochrome b-245, beta polypeptide | 1.515 | 4.22E-03 |
| 66653 | Brf2 | BRF2, subunit of RNA polymerase III transcription initiation factor, BRF1-like | 1.516 | 1.65E-03 |
| 56551 | Lmna | lamin A/C | 1.518 | 1.36E-02 |
| 17274 | Rab8A | RAB8A, member RAS oncogene family | 1.520 | 1.79E-02 |
| 23921 | Sh2B2 | SH2B adaptor protein 2 | 1.520 | 4.22E-02 |
| 233315 | Mtmr10 | myotubularin related protein 10 | 1.521 | 2.05E-02 |
| 67125 | Tspan31 | tetraspanin 31 | 1.523 | 1.32E-02 |
| 71720 | Osbpl3 | oxysterol binding protein-like 3 | 1.523 | 9.26E-04 |
| 69568 | Vkorc1L1 | vitamin K epoxide reductase complex, subunit 1-like 1 | 1.524 | 2.17E-02 |
| 230709 | Zmpste24 | zinc metalloproteinase (STE24 homolog, S. cerevisiae) | 1.526 | 1.44E-02 |
| 57751 | Rnf25 | ring finger protein 25 | 1.527 | 1.47E-02 |
| 17304 | Mfge8 | milk fat globule-EGF factor 8 protein | 1.528 | 2.49E-02 |
| 78244 | Dnajc21 | DnaJ (Hsp40) homolog, subfamily C, member 21 | 1.528 | 2.73E-02 |
| 11840 | Arf1 | ADP-ribosylation factor 1 | 1.529 | 9.10E-03 |
| 14450 | Gart | phosphoribosylglycinamide formyltransferase, phosphoribosylglycinamide synthetase, phosphoribosylaminoimidazole synthetase | 1.530 | 2.42E-03 |
| 67226 | Tmem19 | transmembrane protein 19 | 1.530 | 2.30E-03 |
| 67703 | Kirrel3 | kin of IRRE like 3 (Drosophila) | 1.532 | 5.36E-03 |
| 67772 | Chd8 | chromodomain helicase DNA binding protein 8 | 1.532 | 5.32E-05 |
| 76199 | Med13L | mediator complex subunit 13-like | 1.533 | 7.22E-04 |
| 15424 | Hoxc5 | homeobox C5 | 1.535 | 2.37E-04 |
| 24070 | Mpdu1 | mannose-P-dolichol utilization defect 1 | 1.535 | 3.91E-03 |
| 67440 | Mtpap | mitochondrial poly(A) polymerase | 1.535 | 1.37E-02 |
| 56086 | Cela2A | chymotrypsin-like elastase family, member 2A | 1.537 | 1.89E-02 |
| 72946 | Lrrc47 | leucine rich repeat containing 47 | 1.542 | 8.70E-05 |
| 227290 | Aamp | angio-associated, migratory cell protein | 1.543 | 2.32E-03 |
| 192156 | Tpm2 | tropomyosin 2 (beta) | 1.544 | 4.07E-02 |
| 269774 | Aak1 | AP2 associated kinase 1 | 1.544 | 6.78E-03 |
| 15387 | Hnrnpk | heterogeneous nuclear ribonucleoprotein K | 1.546 | 4.40E-03 |
| 320038 | Dlx6Os1 | Dlx6 opposite strand transcript 1 | 1.548 | 6.35E-03 |
| 237339 | L3Mbt13 | l(3)mbt-like 3 (Drosophila) | 1.549 | 6.98E-03 |

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|--------|----------|---|-------|----------|
| 81898 | Sf3B1 | splicing factor 3b, subunit 1, 155kDa | 1.549 | 1.68E-02 |
| 13185 | Dscr3 | Down syndrome critical region gene 3 | 1.550 | 4.47E-02 |
| 98823 | Aa763515 | expressed sequence AA763515 | 1.550 | 5.76E-06 |
| 77038 | Arfgap2 | ADP-ribosylation factor GTPase activating protein 2 | 1.553 | 1.35E-03 |
| 26414 | Mapk10 | mitogen-activated protein kinase 10 | 1.556 | 3.57E-04 |
| 66492 | Zmat2 | zinc finger, matrin type 2 | 1.558 | 2.91E-04 |
| 108705 | Pttg1Ip | pituitary tumor-transforming 1 interacting protein | 1.562 | 6.80E-03 |
| 71592 | Pogk | pogo transposable element with KRAB domain | 1.564 | 3.07E-03 |
| 11737 | Anp32A | acidic (leucine-rich) nuclear phosphoprotein 32 family, member A | 1.565 | 1.29E-03 |
| 56258 | Lcn2 | lipocalin 2 | 1.565 | 1.88E-02 |
| 66409 | Rsl1D1 | ribosomal L1 domain containing 1 | 1.567 | 4.87E-02 |
| 210622 | Pamr1 | peptidase domain containing associated with muscle regeneration 1 | 1.568 | 6.49E-05 |
| 12567 | Cdk4 | cyclin-dependent kinase 4 | 1.572 | 3.79E-02 |
| 71207 | Nudt4 | nudix (nucleoside diphosphate linked moiety X)-type motif 4 | 1.572 | 4.53E-02 |
| 399568 | C15Orf41 | chromosome 15 open reading frame 41 | 1.574 | 2.62E-04 |
| 59069 | Tpm3 | tropomyosin 3 | 1.574 | 2.25E-03 |
| 226144 | Erlin1 | ER lipid raft associated 1 | 1.576 | 2.39E-03 |
| 23831 | Ca14 | carbonic anhydrase XIV | 1.576 | 8.01E-04 |
| 12167 | Bmpr1B | bone morphogenetic protein receptor, type IB | 1.578 | 1.91E-03 |
| 18162 | Npr3 | natriuretic peptide receptor C/guanylate cyclase C (atrionatriuretic peptide receptor C) | 1.578 | 1.17E-04 |
| 28193 | Reep3 | receptor accessory protein 3 | 1.578 | 3.72E-03 |
| 16531 | Kcnma1 | potassium large conductance calcium-activated channel, subfamily M, alpha member 1 | 1.581 | 1.55E-04 |
| 14862 | Gstm5 | glutathione S-transferase mu 5 | 1.582 | 1.30E-02 |
| 11518 | Add1 | adducin 1 (alpha) | 1.584 | 2.04E-03 |
| 27096 | Trappc3 | trafficking protein particle complex 3 | 1.584 | 8.31E-04 |
| 633640 | C5Orf28 | chromosome 5 open reading frame 28 | 1.584 | 4.83E-02 |
| 14228 | Fkbp4 | FK506 binding protein 4, 59kDa | 1.586 | 2.68E-02 |
| 69834 | Rab43 | RAB43, member RAS oncogene family | 1.589 | 8.99E-06 |
| 12453 | Ccni | cyclin I | 1.590 | 5.45E-03 |
| 24045 | Scamp3 | secretory carrier membrane protein 3 | 1.591 | 2.69E-03 |
| 29806 | Cd59 | CD59 molecule, complement regulatory protein | 1.591 | 2.24E-04 |
| 14678 | Gnai2 | guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2 | 1.592 | 4.52E-02 |
| 75692 | Nr2C2Ap | nuclear receptor 2C2-associated protein | 1.592 | 1.02E-03 |
| 68817 | Ddi2 | DNA-damage inducible 1 homolog 2 (S. cerevisiae) | 1.597 | 1.97E-03 |
| 18591 | Pdgfb | platelet-derived growth factor beta polypeptide (simian sarcoma viral (v-sis) oncogene homolog) | 1.598 | 4.36E-02 |
| 75607 | Wnk2 | WNK lysine deficient protein kinase 2 | 1.598 | 5.30E-04 |
| 106522 | Pkdcc | protein kinase domain containing, cytoplasmic homolog (mouse) | 1.604 | 1.06E-02 |
| 18798 | Plcb4 | phospholipase C, beta 4 | 1.604 | 2.09E-05 |
| 226757 | Wdr26 | WD repeat domain 26 | 1.604 | 1.25E-02 |
| 218506 | Mrps27 | mitochondrial ribosomal protein S27 | 1.607 | 4.05E-04 |
| 13800 | Enah | enabled homolog (Drosophila) | 1.610 | 2.30E-04 |
| 67605 | Akt1S1 | AKT1 substrate 1 (proline-rich) | 1.611 | 2.44E-02 |
| 19716 | Bex1 | brain expressed, X-linked 1 | 1.618 | 6.79E-03 |
| 67166 | Arl8B | ADP-ribosylation factor-like 8B | 1.621 | 4.50E-02 |
| 83921 | Tmem2 | transmembrane protein 2 | 1.622 | 6.47E-03 |
| 18023 | Nfe2L1 | nuclear factor (erythroid-derived 2)-like 1 | 1.625 | 7.61E-03 |
| 104462 | Au014795 | expressed sequence AU014795 | 1.626 | 1.01E-04 |
| 11409 | Acads | acyl-CoA dehydrogenase, C-2 to C-3 short chain | 1.626 | 6.52E-03 |
| 15502 | Dnaja1 | DnaJ (Hsp40) homolog, subfamily A, member 1 | 1.628 | 7.33E-03 |
| 20112 | Rps6Ka2 | ribosomal protein S6 kinase, 90kDa, polypeptide 2 | 1.629 | 2.49E-02 |
| 16367 | Irs1 | insulin receptor substrate 1 | 1.631 | 2.79E-06 |
| 229589 | Prune | prune homolog (Drosophila) | 1.631 | 1.29E-03 |
| 67053 | Rpp14 | ribonuclease P/MRP 14kDa subunit | 1.632 | 9.82E-03 |
| 107702 | Rnh1 | ribonuclease/angiogenin inhibitor 1 | 1.634 | 3.99E-02 |
| 20969 | Sdc1 | syndecan 1 | 1.634 | 1.03E-03 |
| 13627 | Eef1A1 | eukaryotic translation elongation factor 1 alpha 1 | 1.644 | 1.02E-03 |
| 68268 | Zdhhc21 | zinc finger, DHHC-type containing 21 | 1.644 | 1.39E-02 |
| 13205 | Ddx3X | DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, X-linked | 1.652 | 6.02E-03 |
| 12995 | Csnk2A1 | casein kinase 2, alpha 1 polypeptide | 1.659 | 1.38E-03 |

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|--------|---------------|---|-------|----------|
| 27373 | Csnk1E | casein kinase 1, epsilon | 1.659 | 2.72E-02 |
| 218639 | Arl15 | ADP-ribosylation factor-like 15 | 1.661 | 4.74E-05 |
| 217869 | Eif5 | eukaryotic translation initiation factor 5 | 1.662 | 6.45E-04 |
| 56635 | Mbl2 | mannose-binding lectin (protein C) 2, soluble (opsonic defect) | 1.662 | 3.80E-03 |
| 319235 | 9130204K15Rik | RIKEN cDNA 9130204K15 gene | 1.664 | 2.11E-05 |
| 228775 | Trib3 | tribbles homolog 3 (Drosophila) | 1.671 | 1.90E-03 |
| 619605 | Zcchc17 | zinc finger, CCHC domain containing 17 | 1.671 | 9.71E-03 |
| 18607 | Pdpk1 | 3-phosphoinositide dependent protein kinase-1 | 1.672 | 1.33E-02 |
| 14312 | Brd2 | bromodomain containing 2 | 1.674 | 1.49E-04 |
| 66884 | Appbp2 | amyloid beta precursor protein (cytoplasmic tail) binding protein 2 | 1.675 | 1.48E-03 |
| 271457 | Rab5A | RAB5A, member RAS oncogene family | 1.676 | 1.16E-02 |
| 51886 | Fubp1 | far upstream element (FUSE) binding protein 1 | 1.676 | 6.66E-06 |
| 20971 | Sdc4 | syndecan 4 | 1.677 | 1.19E-05 |
| 21766 | Tex261 | testis expressed 261 | 1.682 | 1.25E-03 |
| 12177 | Bnip3L | BCL2/adenovirus E1B 19kDa interacting protein 3-like | 1.686 | 5.64E-04 |
| 102193 | Zdhhc7 | zinc finger, DHHC-type containing 7 | 1.695 | 4.94E-03 |
| 24128 | Xrn2 | 5'-3' exoribonuclease 2 | 1.695 | 2.60E-02 |
| 76483 | Lmf1 | lipase maturation factor 1 | 1.697 | 5.32E-03 |
| 18174 | Slc11A2 | solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2 | 1.705 | 1.60E-02 |
| 20848 | Stat3 | signal transducer and activator of transcription 3 (acute-phase response factor) | 1.705 | 4.91E-03 |
| 101985 | C16Orf57 | chromosome 16 open reading frame 57 | 1.708 | 1.87E-03 |
| 17874 | Myd88 | myeloid differentiation primary response gene (88) | 1.708 | 1.71E-03 |
| 67956 | Setd8 | SET domain containing (lysine methyltransferase) 8 | 1.708 | 1.60E-02 |
| 16796 | Lasp1 | LIM and SH3 protein 1 | 1.715 | 1.28E-04 |
| 69188 | Mll5 | myeloid/lymphoid or mixed-lineage leukemia 5 (trithorax homolog, Drosophila) | 1.715 | 1.53E-03 |
| 15260 | Hira | HIR histone cell cycle regulation defective homolog A (S. cerevisiae) | 1.716 | 1.25E-02 |
| 15505 | Hsph1 | heat shock 105kDa/110kDa protein 1 | 1.716 | 2.68E-02 |
| 108770 | Rc3H1 | ring finger and CCCH-type zinc finger domains 1 | 1.717 | 8.09E-03 |
| 21928 | Tnfaip2 | tumor necrosis factor, alpha-induced protein 2 | 1.718 | 3.37E-03 |
| 14674 | Gna13 | guanine nucleotide binding protein (G protein), alpha 13 | 1.720 | 2.84E-05 |
| 70767 | Prpf3 | PRP3 pre-mRNA processing factor 3 homolog (S. cerevisiae) | 1.725 | 3.54E-03 |
| 14057 | Sfxn1 | sideroflexin 1 | 1.728 | 1.84E-02 |
| 20226 | Sars | seryl-tRNA synthetase | 1.728 | 5.03E-03 |
| 21803 | Tgfb1 | transforming growth factor, beta 1 | 1.728 | 8.39E-04 |
| 13664 | Eif1Ay | eukaryotic translation initiation factor 1A, Y-linked | 1.736 | 4.65E-02 |
| 22634 | Plagl1 | pleiomorphic adenoma gene-like 1 | 1.751 | 1.70E-02 |
| 217031 | Tada2A | transcriptional adaptor 2A | 1.753 | 1.78E-06 |
| 78655 | Eif3J | eukaryotic translation initiation factor 3, subunit J | 1.756 | 1.39E-02 |
| 11771 | Ap2A1 | adaptor-related protein complex 2, alpha 1 subunit | 1.757 | 7.06E-03 |
| 16179 | Irak1 | interleukin-1 receptor-associated kinase 1 | 1.758 | 2.75E-02 |
| 16202 | Ilk | integrin-linked kinase | 1.765 | 8.42E-04 |
| 68365 | Rab14 | RAB14, member RAS oncogene family | 1.765 | 2.05E-03 |
| 233575 | Pgap2 | post-GPI attachment to proteins 2 | 1.767 | 1.54E-03 |
| 70579 | Zc3H11A | zinc finger CCCH-type containing 11A | 1.767 | 5.62E-03 |
| 18081 | Ninj1 | ninjurin 1 | 1.770 | 3.16E-03 |
| 21761 | Morf4L1 | mortality factor 4 like 1 | 1.778 | 1.13E-05 |
| 14629 | Glc | glutamate-cysteine ligase, catalytic subunit | 1.779 | 1.90E-02 |
| 21841 | Tia1 | TIA1 cytotoxic granule-associated RNA binding protein | 1.780 | 7.96E-05 |
| 19017 | Ppargc1A | peroxisome proliferator-activated receptor gamma, coactivator 1 alpha | 1.784 | 1.07E-04 |
| 15926 | Idh1 | isocitrate dehydrogenase 1 (NADP+), soluble | 1.789 | 1.11E-03 |
| 229663 | Csde1 | cold shock domain containing E1, RNA-binding | 1.795 | 7.66E-03 |
| 99650 | C1Orf43 | chromosome 1 open reading frame 43 | 1.808 | 4.24E-04 |
| 66923 | Pbrm1 | polybromo 1 | 1.814 | 1.70E-03 |
| 76137 | Ccdc90A | coiled-coil domain containing 90A | 1.825 | 2.95E-03 |
| 114643 | Oas1C | 2'-5' oligoadenylate synthetase 1C | 1.826 | 9.88E-03 |
| 26413 | Mapk1 | mitogen-activated protein kinase 1 | 1.835 | 6.49E-03 |
| 12053 | Bcl6 | B-cell CLL/lymphoma 6 | 1.844 | 3.10E-03 |
| 19291 | Purb | purine-rich element binding protein B | 1.847 | 1.60E-03 |
| 15531 | Ndst1 | N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 1 | 1.851 | 2.04E-03 |

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|--------|----------|--|-------|----------|
| 231464 | Adra2C | adrenergic, alpha-2C-, receptor | 1.853 | 1.54E-04 |
| 21366 | Slc6A6 | solute carrier family 6 (neurotransmitter transporter, taurine), member 6 | 1.854 | 9.33E-04 |
| 58875 | Hibadh | 3-hydroxyisobutyrate dehydrogenase | 1.858 | 5.31E-05 |
| 74838 | Naa15 | N(alpha)-acetyltransferase 15, NatA auxiliary subunit | 1.862 | 2.52E-02 |
| 330657 | Prss53 | protease, serine, 53 | 1.866 | 2.07E-02 |
| 67998 | Fam134C | family with sequence similarity 134, member C | 1.874 | 6.34E-04 |
| 54196 | Sry | sex determining region Y | 1.878 | 9.28E-05 |
| 73458 | Aldh3B2 | aldehyde dehydrogenase 3 family, member B2 | 1.891 | 8.39E-07 |
| 18044 | Nfya | nuclear transcription factor Y, alpha | 1.899 | 2.29E-02 |
| 16402 | Itga5 | integrin, alpha 5 (fibronectin receptor, alpha polypeptide) | 1.915 | 2.46E-02 |
| 21454 | Tcp1 | t-complex 1 | 1.917 | 2.61E-02 |
| 20901 | Strap | serine/threonine kinase receptor associated protein | 1.927 | 2.73E-03 |
| 17765 | Mtf2 | metal response element binding transcription factor 2 | 1.933 | 1.94E-03 |
| 30877 | Hla-Drb3 | major histocompatibility complex, class II, DR beta 3 | 1.933 | 2.70E-02 |
| 56389 | Itpka | inositol 1,4,5-trisphosphate 3-kinase A | 1.939 | 1.13E-02 |
| 74202 | Fblim1 | filamin binding LIM protein 1 | 1.952 | 3.23E-02 |
| 67300 | Cltc | clathrin, heavy chain (Hc) | 1.970 | 1.68E-02 |
| 17246 | Mdm2 | Mdm2 p53 binding protein homolog (mouse) | 1.985 | 1.99E-02 |
| 230654 | Lrrc41 | leucine rich repeat containing 41 | 1.994 | 4.18E-03 |
| 19060 | Ppp5C | protein phosphatase 5, catalytic subunit | 1.996 | 1.94E-03 |
| 26406 | Map3K3 | mitogen-activated protein kinase kinase 3 | 2.004 | 5.78E-04 |
| 15516 | Hsp90Ab1 | heat shock protein 90kDa alpha (cytosolic), class B member 1 | 2.013 | 1.60E-02 |
| 12631 | Cfl1 | cofilin 1 (non-muscle) | 2.046 | 4.15E-02 |
| 12606 | Cebpa | CCAAT/enhancer binding protein (C/EBP), alpha | 2.048 | 2.66E-02 |
| 17975 | Ncl | nucleolin | 2.088 | 6.97E-04 |
| 97808 | C79445 | tubulin, beta 2a, pseudogene 2 | 2.091 | 2.76E-02 |
| 192157 | Tpm2 | tropomyosin 2 (beta) | 2.095 | 8.52E-03 |
| 74022 | Glyr1 | glyoxylate reductase 1 homolog (Arabidopsis) | 2.114 | 1.24E-02 |
| 20249 | Scd | stearoyl-CoA desaturase (delta-9-desaturase) | 2.129 | 3.97E-02 |
| 66905 | Plin3 | perilipin 3 | 2.130 | 2.41E-04 |
| 26397 | Map2K3 | mitogen-activated protein kinase kinase 3 | 2.139 | 8.74E-03 |
| 66964 | Golt1B | golgi transport 1 homolog B (S. cerevisiae) | 2.158 | 8.47E-03 |
| 16150 | Ikbkb | inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta | 2.161 | 5.26E-03 |
| 23881 | Mapk1 | mitogen-activated protein kinase 1 | 2.163 | 2.24E-03 |
| 11910 | Atf3 | activating transcription factor 3 | 2.164 | 8.89E-03 |
| 216760 | Mfap3 | microfibrillar-associated protein 3 | 2.167 | 3.04E-04 |
| 60595 | Actn4 | actinin, alpha 4 | 2.175 | 1.18E-02 |
| 14182 | Fgfr1 | fibroblast growth factor receptor 1 | 2.180 | 4.24E-02 |
| 110006 | Gusb | glucuronidase, beta | 2.183 | 4.20E-03 |
| 19826 | Rnps1 | RNA binding protein S1, serine-rich domain | 2.233 | 2.38E-02 |
| 13681 | Eif4A1 | eukaryotic translation initiation factor 4A1 | 2.272 | 8.83E-03 |
| 67554 | Slc25A30 | solute carrier family 25, member 30 | 2.272 | 1.10E-03 |
| 16332 | Inpp1 | inositol polyphosphate phosphatase-like 1 | 2.294 | 3.96E-04 |
| 26417 | Mapk3 | mitogen-activated protein kinase 3 | 2.301 | 1.12E-02 |
| 98053 | Gtf2F1 | general transcription factor IIF, polypeptide 1, 74kDa | 2.323 | 2.31E-03 |
| 56456 | Actl6A | actin-like 6A | 2.334 | 2.13E-02 |
| 67834 | Idh3A | isocitrate dehydrogenase 3 (NAD+) alpha | 2.349 | 3.62E-02 |
| 21762 | Psm2 | proteasome (prosome, macropain) 26S subunit, non-ATPase, 2 | 2.387 | 1.67E-02 |
| 18712 | Pim1 | pim-1 oncogene | 2.395 | 5.10E-04 |
| 13033 | Ctsd | cathepsin D | 2.444 | 5.93E-04 |
| 21858 | Timp2 | TIMP metalloproteinase inhibitor 2 | 2.511 | 1.37E-02 |
| 15275 | Hk1 | hexokinase 1 | 2.586 | 2.54E-03 |
| 22352 | Vim | vimentin | 2.595 | 2.75E-02 |
| 15902 | Id2 | inhibitor of DNA binding 2, dominant negative helix-loop-helix protein | 2.597 | 9.81E-05 |
| 11964 | Atp6V1A | ATPase, H+ transporting, lysosomal 70kDa, V1 subunit A | 2.740 | 1.21E-03 |
| 67916 | Ppap2B | phosphatidic acid phosphatase type 2B | 2.784 | 3.71E-03 |
| 207214 | Larp4 | La ribonucleoprotein domain family, member 4 | 2.940 | 3.26E-03 |
| 67630 | Samd8 | sterile alpha motif domain containing 8 | 3.648 | 6.94E-03 |