

Supplementary Table S1. Differentially expressed genes

| Probe Set ID | Gene Symbol | t-test/Anova | Avgr | Gene Title |
|--------------|-----------------|--------------|--------------|---|
| 1419230_at | Krt11-2 | 2.36E-07 | -3.712063 | keratin complex 1, acidic, gene 12 |
| 1419231_s_at | Krt11-2 | 3.66E-07 | -3.677800433 | keratin complex 1, acidic, gene 12 |
| 1418649_at | Egln3 | 1.21E-08 | -3.2664529 | EGL nine homolog 3 (C. elegans) |
| 1434195_at | Prss35 | 0.00063239 | -2.3044876 | protease, serine, 35 |
| 1418648_at | Egln3 | 1.23E-05 | -2.278906233 | EGL nine homolog 3 (C. elegans) |
| 1422257_s_at | Cyp2b10 | 0.000188646 | -2.278152933 | cytochrome P450, family 2, subfamily b, polypeptide 10 |
| 1449365_at | Edg8 | 0.000113168 | -2.020486833 | endothelial differentiation, sphingolipid G-protein-coupled receptor, 8 |
| 1425645_s_at | Cyp2b10 | 4.80E-05 | -2.0114634 | cytochrome P450, family 2, subfamily b, polypeptide 10 |
| 1450645_at | Mt4 | 0.000101685 | -1.9760637 | metallothionein 4 |
| 1422188_s_at | Tcrg | 0.00011625 | -1.954218867 | T-cell receptor gamma chain /// T cell receptor gamma chain |
| 1438244_at | Nf1b | 0.000297612 | -1.888168733 | nuclear factor I/B |
| 1455961_at | Mme | 9.19E-05 | -1.818924367 | Membrane metallo endopeptidase |
| 1416390_at | Rctb2 | 0.001067669 | -1.7334055 | regulator of chromosome condensation and BTB domain containing protein 2 |
| 1417266_at | Col6 | 9.15E-07 | -1.725338533 | chemokine (C-C motif) ligand 6 |
| 1416481_s_at | Higd1a | 0.000135494 | -1.724358633 | HIG1 domain family, member 1A |
| 1453360_a_at | Tex9 | 0.000636579 | -1.703543333 | testis expressed gene 9 |
| 1436566_at | Rab40b | 4.86E-05 | -1.6680399 | Rab40b, member RAS oncogene family |
| 1418219_at | Il15 | 0.000124253 | -1.641713967 | interleukin 15 |
| 1426340_at | Slc1a3 | 8.94E-05 | -1.636747167 | solute carrier family 1 (glial high affinity glutamate transporter), member 3 |
| 1418826_at | Msa46b | 0.000106146 | -1.6175151 | membrane-spanning 4-domains, subfamily A, member 6B |
| 1439016_x_at | Spr2a | 3.89E-05 | -1.6052376 | small proline-rich protein 2A |
| 1450618_a_at | Spr2a | 2.35E-04 | -1.5836734 | small proline-rich protein 2A |
| 1422542_at | Gpr34 | 0.000361524 | -1.561782767 | G protein-coupled receptor 34 |
| 1448502_at | Slc16a7 | 3.36E-05 | -1.500206033 | solute carrier family 16 (monocarboxylic acid transporters), member 7 |
| 1448359_a_at | Higd1a | 2.48E-05 | -1.465078967 | HIG1 domain family, member 1A |
| 1420249_s_at | Col6 | 4.59E-07 | -1.448485733 | chemokine (C-C motif) ligand 6 |
| 1451454_at | Pcdh20 | 0.00203199 | -1.443424633 | protocadherin 20 |
| 1450430_at | Mrc1 | 0.001047084 | -1.439210633 | mannose receptor, C type 1 |
| 1423433_at | Trove2 | 0.001065967 | -1.4106575 | TROVE domain family, member 2 |
| 1448551_a_at | Trim2 | 1.71E-06 | -1.395877967 | tripartite motif protein 2 |
| 1424410_at | Ttc8 | 0.00011408 | -1.3700274 | tetratricopeptide repeat domain 8 |
| 1427168_a_at | Col14a1 | 1.82E-05 | -1.352811867 | procollagen, type XIV, alpha 1 |
| 1460197_a_at | Steap4 | 0.000228778 | -1.325791 | STEAP family member 4 |
| 1426787_at | Sf11 | 0.000896628 | -1.321994433 | Sf11 homolog, spindle assembly associated (yeast) |
| 1427655_a_at | A630038E17Rik | 0.000895618 | -1.2983144 | RIKEN cDNA A630038E17 gene |
| 1450616_at | Ear5 | 2.55E-05 | -1.2816092 | eosinophil-associated, ribonuclease A family, member 5 |
| 1417028_a_at | Trim2 | 0.000126701 | -1.271967167 | tripartite motif protein 2 |
| 1455700_at | Mterfd3 | 0.000248432 | -1.2592221 | MTERF domain containing 3 |
| 1415756_a_at | Snapap | 9.70E-05 | -1.241414967 | SNAP-associated protein |
| 1416053_at | Lrm1 | 0.001307997 | -1.239794667 | leucine rich repeat protein 1, neuronal |
| 1426622_a_at | Qpct | 0.000122179 | -1.2310838 | glutaminy-peptide cyclotransferase (glutaminy cyclase) |
| 1421937_at | Dapp1 | 0.000455443 | -1.2160661 | dual adaptor for phosphotyrosine and 3-phosphoinositides 1 |
| 1450770_at | 3632451O06Rik | 0.000538847 | -1.2115839 | RIKEN cDNA 3632451O06 gene |
| 1438887_a_at | Gcl | 0.000364422 | -1.192778133 | germ cell-less homolog (Drosophila) |
| 1422954_at | Zfp60 | 0.000359924 | -1.184648267 | zinc finger protein 60 |
| 1416151_at | Sfrs3 | 0.00222128 | -1.180315933 | splicing factor, arginine/serine-rich 3 (SRp20) |
| 1420409_at | Krt1-24 | 0.001202231 | -1.1634596 | keratin complex 1, acidic, gene 24 |
| 1419063_at | Ugf8a | 0.002162591 | -1.152453967 | UDP galactosyltransferase 8A |
| 1418915_at | 1810037K07Rik | 0.000930549 | -1.150172667 | RIKEN cDNA 1810037K07 gene |
| 1451050_at | Ntc5c3 | 4.55E-05 | -1.144837433 | 5'-nucleotidase, cytosolic III |
| 1450988_at | Lgr5 | 0.000104528 | -1.128020167 | leucine rich repeat containing G protein coupled receptor 5 |
| 1460259_s_at | Clca1 /// Clca2 | 4.81E-05 | -1.1227931 | chloride channel calcium activated 1 /// chloride channel calcium activated 2 |
| 1425140_at | Lactb2 | 6.22E-05 | -1.1223803 | lactamase, beta 2 |
| 1423155_at | Sri | 2.21E-05 | -1.116169533 | sorcin |
| 1429352_at | Mocos | 0.001832595 | -1.1025282 | molybdenum cofactor sulfurase |
| 1449071_at | Myf7 | 5.08E-05 | -1.100689867 | myosin, light polypeptide 7, regulatory |
| 1451461_a_at | Aldoc | 0.000126875 | -1.096107167 | aldolase 3, C isoform |
| 1416842_at | Gstm5 | 6.66E-05 | -1.0933743 | glutathione S-transferase, mu 5 |
| 1436996_x_at | Lzp-s | 3.63E-05 | -1.0849762 | P lysozyme structural |
| 1417430_at | Cdr2 | 4.61E-06 | -1.080600767 | cerebellar degeneration-related 2 |
| 1449122_at | 3110003A22Rik | 0.001243961 | -1.0788229 | RIKEN cDNA 3110003A22 gene |
| 1416152_a_at | Sfrs3 | 0.001468163 | -1.074717033 | splicing factor, arginine/serine-rich 3 (SRp20) |
| 1451787_at | Cyp2b10 | 0.000117668 | -1.063870267 | cytochrome P450, family 2, subfamily b, polypeptide 10 |
| 1448813_at | Aadac | 0.000309393 | -1.062162967 | arylcetamide deacetylase (esterase) |
| 1421936_at | Dapp1 | 0.001381256 | -1.043207967 | dual adaptor for phosphotyrosine and 3-phosphoinositides 1 |
| 1419552_at | Echdc1 | 1.18E-06 | -1.034101833 | enoyl Coenzyme A hydratase domain containing 1 |
| 1422645_at | Hfe | 0.001255647 | -1.0315953 | hemochromatosis |
| 1423569_at | Galm | 0.000753683 | -1.025528 | glycine amidinotransferase (L-arginine:glycine amidinotransferase) |
| 1428113_at | 4930403J22Rik | 0.000133631 | -1.0226883 | RIKEN cDNA 4930403J22 gene |
| 1450825_at | Asah3 | 0.00011572 | -1.015298967 | N-acylsphingosine amidohydrolase (alkaline ceramidase) 3 |
| 1448050_s_at | Mapk4k4 | 3.39E-07 | 1.00211 | mitogen-activated protein kinase kinase kinase kinase 4 |
| 1425895_a_at | Id1 | 0.000735193 | 1.010493633 | inhibitor of DNA binding 1 |
| 1439389_s_at | Myadm | 0.00207017 | 1.0136956 | myeloid-associated differentiation marker |
| 1434514_at | Rbm15 | 0.000111617 | 1.017873833 | RNA binding motif protein 15 |
| 1416067_at | Ilfri1 | 1.41E-05 | 1.021099567 | interferon-related developmental regulator 1 |
| 1451776_s_at | MGI:1916782 | 0.001074486 | 1.023476767 | homeobox only domain |
| 1423271_at | Gjb2 | 9.08E-05 | 1.028331467 | gap junction membrane channel protein beta 2 |
| 1427095_at | Cdcp1 | 7.87E-05 | 1.032642733 | CUB domain containing protein 1 |
| 1449424_at | Plek2 | 5.27E-05 | 1.0355516 | pleckstrin 2 |
| 1425606_at | Slc5a8 | 2.62E-05 | 1.037546 | solute carrier family 5 (iodide transporter), member 8 |
| 1416762_at | S100a10 | 8.16E-06 | 1.0443273 | S100 calcium binding protein A10 (calpactin) |
| 1421262_at | Lipg | 3.83E-05 | 1.052711133 | lipase, endothelial |
| 1421997_s_at | Ilg3a3 | 2.82E-05 | 1.061272467 | integrin alpha 3 |
| 1417328_at | Erc11 | 2.06E-05 | 1.0757111 | excision repair cross-complementing rodent repair deficiency, complementation group 1 |
| 1419498_at | 2010002A20Rik | 1.98E-05 | 1.088392667 | RIKEN cDNA 2010002A20 gene |
| 1438019_at | 1810043M15Rik | 1.19E-05 | 1.097905033 | RIKEN cDNA 1810043M15 gene |
| 1433733_a_at | Cry1 | 3.48E-05 | 1.108288333 | cryptochrome 1 (photolabile-like) |
| 1418970_a_at | Bcl10 | 5.42E-05 | 1.129694433 | B-cell leukemia/lymphoma 10 |
| 1455158_at | Ilg3a3 | 0.000114722 | 1.1318796 | integrin alpha 3 |
| 1436584_at | Spry2 | 3.03E-05 | 1.159752133 | sprouty homolog 2 (Drosophila) |
| 1435226_at | Ibrdc3 | 4.25E-06 | 1.1651381 | IBR domain containing 3 |
| 1448612_at | Sfn | 1.52E-05 | 1.1853238 | stratifin |
| 1448170_at | Siah2 | 7.78E-05 | 1.189715067 | seven in absentia 2 |
| 1451680_at | Srxn1 | 5.95E-05 | 1.190804 | sulfiredoxin 1 homolog (S. cerevisiae) |
| 1454736_at | 4921515A04Rik | 0.000257945 | 1.2037354 | RIKEN cDNA 4921515A04 gene |
| 1419491_at | Defb1 | 8.38E-05 | 1.2146904 | defensin beta 1 |
| 1442026_at | --- | 0.001730814 | 1.218938733 | --- |
| 1422659_at | Camk2d | 1.17E-05 | 1.225341733 | calcium/calmodulin-dependent protein kinase II, delta |
| 1427416_x_at | Dusp7 | 8.11E-07 | 1.239468533 | dual specificity phosphatase 7 |
| 1424711_at | Tmem2 | 3.20E-06 | 1.253082733 | transmembrane protein 2 |
| 1416871_at | Adam8 | 4.01E-05 | 1.2798786 | a disintegrin and metalloproteinase domain 8 |
| 1423321_at | Myadm | 0.00039799 | 1.281268567 | myeloid-associated differentiation marker |
| 1432478_a_at | Ibrdc3 | 5.46E-05 | 1.286755033 | IBR domain containing 3 |
| 1451375_at | Ehf | 0.006790813 | 1.314848633 | ets homologous factor |
| 1449852_a_at | Ehd4 | 4.06E-05 | 1.330769767 | EH-domain containing 4 |
| 1420088_at | --- | 9.21E-05 | 1.3857817 | --- |
| 1428081_at | Klhl21 | 0.000124064 | 1.389375067 | kelch-like 21 (Drosophila) |
| 1425351_at | Srxn1 | 0.000856198 | 1.397189133 | sulfiredoxin 1 homolog (S. cerevisiae) |
| 1425837_a_at | Ccrn4l | 5.40E-05 | 1.4220894167 | CCR4 carbon catabolite repression 4-like (S. cerevisiae) |
| 1424268_at | Smox | 3.88E-06 | 1.421619 | spermine oxidase |
| 1451612_at | Mt1 | 0.000662259 | 1.433491867 | metallothionein 1 |
| 1424040_at | Rprc1 | 2.96E-06 | 1.447909767 | arginine/proline rich coiled-coil 1 |
| 1434369_a_at | Cryab | 8.07E-05 | 1.474317467 | crystallin, alpha B |
| 1430125_s_at | Pq1c1 | 5.03E-06 | 1.5516156 | PQ loop repeat containing 1 |
| 1424942_a_at | Myc | 2.56E-05 | 1.576376833 | myelocytomatosis oncogene |
| 1450188_s_at | Lipg | 2.70E-07 | 1.5773951 | lipase, endothelial |
| 1416442_at | Ier2 | 0.001166582 | 1.582609667 | immediate early response 2 |
| 1423100_at | Fos | 0.001007956 | 1.615779967 | FBJ osteosarcoma oncogene |
| 1417065_at | Egr1 | 3.16E-05 | 1.6236002 | early growth response 1 |
| 1423233_at | Cebpd | 0.000140625 | 1.6567732 | CCAAT/enhancer binding protein (C/EBP), delta |
| 1449731_s_at | --- | 1.96E-05 | 1.662402733 | --- |
| 1426567_a_at | Pq1c1 | 8.53E-05 | 1.700366967 | PQ loop repeat containing 1 |
| 1421943_at | Tgfa | 1.12E-05 | 1.758150067 | transforming growth factor alpha |
| 1426875_s_at | Srxn1 | 6.67E-05 | 1.769540467 | sulfiredoxin 1 homolog (S. cerevisiae) |
| 1451594_s_at | Serpinh6c | 4.47E-06 | 1.8033144 | serine (or cysteine) peptidase inhibitor, clade B, member 6c |
| 1431339_a_at | Efh2 | 0.00012266 | 1.8041541 | EF hand domain containing 2 |
| 1416431_at | Tubb6 | 0.000143601 | 1.8068879 | tubulin, beta 6 |
| 1460393_a_at | Dusp7 | 0.000651256 | 1.810689633 | dual specificity phosphatase 7 |
| 1448529_at | Tthbd | 0.00011617 | 1.8242792 | thrombomodulin |
| 1419474_a_at | Ehf | 0.000180638 | 1.833449667 | ets homologous factor |
| 1422240_s_at | Spr2h | 3.50E-05 | 1.841429867 | small proline-rich protein 2H |
| 1448932_at | Krt11-6 | 1.34E-05 | 1.875484 | keratin complex 1, acidic, gene 16 |
| 1423306_at | 2010002N04Rik | 1.99E-05 | 1.896356467 | RIKEN cDNA 2010002N04 gene |
| 1419492_s_at | Defb1 | 0.000619932 | 1.9224169 | defensin beta 1 |
| 1431936_a_at | Neu2 | 7.90E-05 | 1.931981333 | neuraminidase 2 |
| 1419431_at | Ereg | 0.000117409 | 1.9552495 | epiregulin |
| 1452519_a_at | Zfp36 | 0.000775952 | 2.038867167 | zinc finger protein 36 |
| 1448306_at | NfYb1a | 1.12E-05 | 2.064505167 | nuclear factor of kappa light chain gene enhancer in B-cells inhibitor, alpha |
| 1424086_at | D9Uc1a | 1.05E-05 | 2.127011067 | DNA segment, Chr 9, University of California at Los Angeles 1 |
| 1452418_at | 1200016E24Rik | 7.02E-05 | 2.127970167 | RIKEN cDNA 1200016E24 gene |
| 1422704_at | Gyk | 7.48E-07 | 2.242385433 | glycerol kinase |
| 1415834_at | Dusp6 | 4.53E-05 | 2.303629767 | dual specificity phosphatase 6 |
| 1427005_at | Plk2 | 0.00015386 | 2.321262233 | polo-like kinase 2 (Drosophila) |
| 1453238_s_at | E430024C06Rik | 6.46E-06 | 2.541364733 | RIKEN cDNA E430024C06 gene |
| 1418133_at | Bcl3 | 1.37E-06 | 2.631146867 | B-cell leukemia/lymphoma 3 |
| 1455899_x_at | Soc3 | 0.001355354 | 2.667132867 | suppressor of cytokine signaling 3 |
| 1418349_at | Hbegf | 0.000360589 | 2.676067567 | heparin-binding EGF-like growth factor |
| 1423933_a_at | 1600029D21Rik | 0.000123509 | 2.697311233 | RIKEN cDNA 1600029D21 gene |
| 1449133_at | Spr1a | 2.86E-05 | 2.740214633 | small proline-rich protein 1A |
| 1422784_at | Krt2-6a | 0.00956 | 2.959487775 | keratin complex 2, basic, gene 6a |
| 1435137_s_at | 1200016E24Rik | 5.00E-07 | 2.9949676 | RIKEN cDNA 1200016E24 gene /// hypothetical gene supported by AK004796 |
| 1417487_at | Fosl1 | 0.000145519 | 3.147900067 | fos-like antigen 1 |
| 1427932_s_at | 200003101Rik | 7.53E-08 | 3.3668875 | RIKEN cDNA 200003101 gene /// hypothetical gene supported by AK004796 |
| 1427700_x_at | Krt2-6a | 0.00233 | 3.368921485 | keratin complex 2, basic, gene 6a |
| 1449994_at | Epgn | 6.69E-05 | 3.393066233 | epithelial mitogen |
| 1448377_at | Slpi | 6.55E-05 | 3.704208267 | secretory leukocyte peptidase inhibitor |
| 1422783_a_at | Krt2-6a | 0.00329 | 3.808532470 | keratin complex 2, basic, gene 6a |
| 1419209_at | Cxcl1 | 7.07E-05 | 3.834693967 | chemokine (C-X-C motif) ligand 1 |
| 1421134_at | Areg | 3.41E-05 | 3.8750889 | amphiregulin |
| 1448756_at | S100a9 | 2.28E-05 | 4.412246767 | S100 calcium binding protein A9 (calgranulin B) |
| 1419149_at | Serpine1 | 5.11E-05 | 4.503452567 | serine (or cysteine) peptidase inhibitor, clade E, member 1 |
| 1421806_at | Defb3 | 0.001294852 | 4.6443679 | defensin beta 3 |
| 1456001_at | Spr11 | 0.005068762 | 5.260587367 | small proline rich-like 1 |
| 1422963_at | Spr2i | 3.74E-06 | 5.530648 | small proline-rich protein 2I |
| 1419394_s_at | S100a8 | 0.000404717 | 5.535525667 | S100 calcium binding protein A8 (calgranulin A) |
| 1450811_at | Spr2j | 1.96E-06 | 5.781713433 | small proline-rich protein 2J |
| 1449833_at | Spr2f | 2.57E-05 | 6.081538533 | small proline-rich protein 2F |