

Supplementary Table S4

| Symbo | Probe ID | Description | Fold Change | P-Value | adj.P.Val |
|---------------|--------------|--|-------------|----------|-----------|
| 1110059G02Rik | 1436203_a_at | RIKEN cDNA 1110059G02 gene | 4.89 | 0.000001 | 0.000011 |
| 1190003J15Rik | 1431786_s_at | RIKEN cDNA 1190003J15 gene | 6.06 | 0.000000 | 0.000007 |
| 1190003J15Rik | 1455186_a_at | RIKEN cDNA 1190003J15 gene | 5.84 | 0.000000 | 0.000006 |
| 1420136_a_at | 1420136_a_at | --- | 4.03 | 0.000001 | 0.000015 |
| 1434025_at | 1434025_at | --- | 4.50 | 0.000017 | 0.000111 |
| 1439734_at | 1439734_at | --- | 5.05 | 0.000000 | 0.000003 |
| 1440645_at | 1440645_at | --- | 5.49 | 0.009435 | 0.019707 |
| 1441644_at | 1441644_at | --- | 4.25 | 0.000001 | 0.000012 |
| 1441971_at | 1441971_at | --- | 4.90 | 0.000001 | 0.000009 |
| 1442350_at | 1442350_at | --- | 4.42 | 0.000000 | 0.000003 |
| 1442682_at | 1442682_at | --- | 4.01 | 0.000001 | 0.000009 |
| 1442936_at | 1442936_at | --- | 4.43 | 0.000044 | 0.000228 |
| 1443332_at | 1443332_at | --- | 5.39 | 0.000061 | 0.000293 |
| 1443337_at | 1443337_at | --- | 5.91 | 0.000016 | 0.000104 |
| 1443509_at | 1443509_at | --- | 5.87 | 0.000001 | 0.000009 |
| 1444479_at | 1444479_at | --- | 5.93 | 0.000001 | 0.000010 |
| 1445256_at | 1445256_at | --- | 4.87 | 0.000000 | 0.000005 |
| 1445414_at | 1445414_at | --- | 4.01 | 0.000001 | 0.000016 |
| 1446406_at | 1446406_at | --- | 4.02 | 0.000001 | 0.000015 |
| 1447166_at | 1447166_at | --- | 4.67 | 0.000033 | 0.000181 |
| 1447173_at | 1447173_at | --- | 6.69 | 0.000132 | 0.000547 |
| 1447227_at | 1447227_at | --- | 5.31 | 0.000002 | 0.000024 |
| 1447891_at | 1447891_at | --- | 5.83 | 0.000073 | 0.000338 |
| 1455961_at | 1455961_at | --- | 6.28 | 0.000001 | 0.000015 |
| 1457191_at | 1457191_at | --- | 4.63 | 0.000000 | 0.000003 |
| 1458599_at | 1458599_at | --- | 5.26 | 0.000001 | 0.000013 |
| 1458706_at | 1458706_at | --- | 4.02 | 0.000013 | 0.000087 |
| 1459495_at | 1459495_at | --- | 4.22 | 0.000000 | 0.000003 |
| 1600029D21Rik | 1454254_s_at | RIKEN cDNA 1600029D21 gene | 6.06 | 0.000010 | 0.000071 |
| 1810011O10Rik | 1435595_at | RIKEN cDNA 1810011O10 gene | 4.04 | 0.000001 | 0.000009 |
| 1810019J16Rik | 1417797_a_at | RIKEN cDNA 1810019J16 gene | 5.90 | 0.000000 | 0.000001 |
| 2010107G23Rik | 1424072_at | RIKEN cDNA 2010107G23 gene | 4.67 | 0.000002 | 0.000019 |
| 2010300C02Rik | 1452861_at | RIKEN cDNA 2010300C02 gene | 6.30 | 0.000001 | 0.000014 |
| 2200002D01Rik | 1428671_at | RIKEN cDNA 2200002D01 gene | 4.11 | 0.000001 | 0.000010 |
| 2210409D07Rik | 1432559_at | RIKEN cDNA 2210409D07 gene | 4.70 | 0.000000 | 0.000001 |
| 2210409O19Rik | 1432755_at | RIKEN cDNA 2210409O19 gene | 4.34 | 0.000024 | 0.000140 |
| 2210411A11Rik | 1456146_at | RIKEN cDNA 2210411A11 gene | 4.07 | 0.000000 | 0.000005 |
| 2310030G06Rik | 1449357_at | RIKEN cDNA 2310030G06 gene | 6.16 | 0.000001 | 0.000012 |
| 2510049J12Rik | 1440916_at | RIKEN cDNA 2510049J12 gene | 7.02 | 0.000002 | 0.000025 |
| 2610528A11Rik | 1435639_at | RIKEN cDNA 2610528A11 gene | 5.29 | 0.002054 | 0.005344 |
| 2610528J11Rik | 1450947_at | RIKEN cDNA 2610528J11 gene | 5.09 | 0.000000 | 0.000002 |
| 4633401B06Rik | 1429822_at | RIKEN cDNA 4633401B06 gene | 4.24 | 0.000000 | 0.000001 |
| 4921506M07Rik | 1457349_at | RIKEN cDNA 4921506M07 gene /// tetratricopeptide repeat domain 6 | 4.82 | 0.000007 | 0.000053 |
| 4930550L11Rik | 1444740_at | ceramide synthase 3 | 6.54 | 0.000013 | 0.000088 |
| 5330417C22Rik | 1427063_at | RIKEN cDNA 5330417C22 gene | 6.11 | 0.001609 | 0.004344 |
| 9130008F23Rik | 1430221_at | RIKEN cDNA 9130008F23 gene | 4.42 | 0.000000 | 0.000004 |
| 9130409J20Rik | 1460517_at | RIKEN cDNA 9130409J20 gene | 5.17 | 0.000001 | 0.000011 |
| 9530002B09Rik | 1419242_at | RIKEN cDNA 9530002B09 gene | 6.30 | 0.083353 | 0.127688 |
| AA986860 | 1433610_at | expressed sequence AA986860 | 7.86 | 0.000015 | 0.000099 |
| AcsM3 | 1425559_a_at | acyl-CoA synthetase medium-chain family member 3 | 4.34 | 0.000002 | 0.000023 |
| Agr2 | 1419268_at | anterior gradient 2 (Xenopus laevis) | 6.76 | 0.000210 | 0.000793 |
| Al661453 | 1425163_at | expressed sequence Al661453 | 4.41 | 0.000008 | 0.000061 |
| Aim1 | 1437813_at | absent in melanoma 1-like | 4.79 | 0.000000 | 0.000005 |
| Aldh1a7 | 1418601_at | aldehyde dehydrogenase family 1, subfamily A7 | 6.85 | 0.000008 | 0.000060 |
| Aldh3a1 | 1418752_at | aldehyde dehydrogenase family 3, subfamily A1 | 6.00 | 0.000002 | 0.000018 |
| Aldoc | 1451461_a_at | aldolase C, fructose-bisphosphate | 4.09 | 0.000000 | 0.000003 |
| Alox12 | 1422699_at | arachidonate 12-lipoxygenase | 5.52 | 0.000000 | 0.000007 |
| Ank3 | 1452872_at | ankyrin 3, epithelial | 4.27 | 0.000000 | 0.000000 |
| Ano1 | 1426571_at | anoctamin 1, calcium activated chloride channel | 4.88 | 0.000002 | 0.000022 |
| Anxa1 | 1444016_at | annexin A1 | 5.11 | 0.000078 | 0.000355 |
| Anxa13 | 1424959_at | annexin A13 | 6.15 | 0.002360 | 0.006001 |
| Ap1m2 | 1460190_at | adaptor protein complex AP-1, mu 2 subunit | 4.80 | 0.000003 | 0.000027 |
| ApoF | 1418239_at | apolipoprotein F | 6.34 | 0.000089 | 0.000395 |
| ApoL7a | 1453080_at | apolipoprotein L 7a | 6.70 | 0.000014 | 0.000092 |
| ApoL9a | 1424518_at | apolipoprotein L 9a | 4.53 | 0.000001 | 0.000011 |
| Aqp4 | 1434449_at | aquaporin 4 | 5.72 | 0.003032 | 0.007417 |
| Arhgef16 | 1427386_at | Rho guanine nucleotide exchange factor (GEF) 16 | 5.15 | 0.000000 | 0.000005 |
| Arl14 | 1430234_at | ADP-ribosylation factor-like 14 | 6.10 | 0.000640 | 0.002004 |
| Aspa | 1418472_at | aspartoacylase | 6.87 | 0.000005 | 0.000042 |
| Atp10b | 1453352_at | ATPase, class V, type 10B | 4.99 | 0.000000 | 0.000008 |
| Atp1b1 | 1418453_a_at | ATPase, Na+/K+ transporting, beta 1 polypeptide | 4.89 | 0.000058 | 0.000282 |
| Atp2c2 | 1452326_at | ATPase, Ca++ transporting, type 2C, member 2 | 7.02 | 0.000005 | 0.000041 |
| B430316J06Rik | 1439933_at | RIKEN cDNA B430316J06 gene | 4.72 | 0.000000 | 0.000008 |
| B4galnt2 | 1442028_at | beta-1,4-N-acetyl-galactosaminyl transferase 2 | 5.21 | 0.000017 | 0.000110 |

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|--------------------|--------------|---|-------|----------|----------|
| Baiap2l1 | 1424951_at | BAI1-associated protein 2-like 1 | 4.14 | 0.000006 | 0.000049 |
| Barx2 | 1421761_a_at | BarH-like homeobox 2 | 5.73 | 0.000004 | 0.000035 |
| Bbox1 | 1459030_at | butyrobetaine (gamma), 2-oxoglutarate dioxygenase 1 (gamma-butyrobetaine hydroxylase) | 4.64 | 0.000016 | 0.000102 |
| BC016579 | 1424941_at | cDNA sequence, BC016579 | 5.49 | 0.000002 | 0.000026 |
| BC030870 | 1459904_at | cDNA sequence BC030870 | 6.67 | 0.000005 | 0.000045 |
| BC064078 | 1444632_at | cDNA sequence BC064078 | 4.13 | 0.000000 | 0.000005 |
| BC100530 /// Stfa1 | 1435761_at | cDNA sequence BC100530 /// stefin A1 | 4.15 | 0.000228 | 0.000850 |
| Bcl2l14 | 1429347_at | BCL2-like 14 (apoptosis facilitator) | 4.42 | 0.000008 | 0.000062 |
| Bcl2l15 | 1452614_at | BCL2-like 15 | 4.20 | 0.000005 | 0.000046 |
| Bdh1 | 1452257_at | 3-hydroxybutyrate dehydrogenase, type 1 | 4.14 | 0.000000 | 0.000003 |
| Bex1 | 1448595_a_at | brain expressed gene 1 | 4.66 | 0.001265 | 0.003541 |
| Bik | 1420362_a_at | BCL2-interacting killer | 5.34 | 0.000004 | 0.000036 |
| Bnc1 | 1424890_at | basonuclin 1 | 4.74 | 0.000002 | 0.000021 |
| Bnpl | 1420683_at | BCL2/adenovirus E1B 19kD interacting protein like | 4.55 | 0.000000 | 0.000003 |
| Bspry | 1450131_a_at | B-box and SPRY domain containing | 4.58 | 0.000003 | 0.000028 |
| C77080 | 1433775_at | expressed sequence C77080 | 4.14 | 0.000001 | 0.000010 |
| Cadps | 1448955_s_at | Ca2+-dependent secretion activator | 4.57 | 0.000133 | 0.000549 |
| Cadps2 | 1451499_at | Ca2+-dependent activator protein for secretion 2 | 5.35 | 0.000003 | 0.000030 |
| Calcb | 1422639_at | calcitonin-related polypeptide, beta | 5.55 | 0.000059 | 0.000286 |
| Camsap3 | 1432464_a_at | calmodulin regulated spectrin-associated protein family, member 3 | 4.85 | 0.000007 | 0.000058 |
| Capn13 | 1437960_at | calpain 13 | 4.64 | 0.000001 | 0.000011 |
| Capn5 | 1418671_at | calpain 5 | 4.54 | 0.000006 | 0.000048 |
| Capsl | 1429891_at | calcyphosine-like | 8.91 | 0.000000 | 0.000003 |
| Car12 | 1428485_at | carbonic anhydrase 12 | 6.38 | 0.000027 | 0.000157 |
| Car2 | 1448752_at | carbonic anhydrase 2 | 4.68 | 0.000038 | 0.000204 |
| Car8 | 1427482_a_at | carbonic anhydrase 8 | 6.39 | 0.000036 | 0.000194 |
| Casz1 | 1459054_at | castor zinc finger 1 | 4.84 | 0.000001 | 0.000011 |
| Catsperd | 1434726_at | catsper channel auxiliary subunit delta | 6.20 | 0.000020 | 0.000121 |
| Cblc | 1422666_at | Casitas B-lineage lymphoma c | 6.03 | 0.000018 | 0.000112 |
| Ccdc120 | 1428066_at | coiled-coil domain containing 120 | 4.74 | 0.000001 | 0.000011 |
| Ccdc3 | 1428549_at | coiled-coil domain containing 3 | 4.95 | 0.000001 | 0.000010 |
| Ccdc64b | 1460051_at | coiled-coil domain containing 64B | 5.70 | 0.000000 | 0.000000 |
| Ccl20 | 1422029_at | chemokine (C-C motif) ligand 20 | 5.38 | 0.000081 | 0.000370 |
| Ccser1 | 1437306_at | coiled-coil serine rich 1 | 4.31 | 0.000000 | 0.000001 |
| Cd200r3 | 1453813_at | CD200 receptor 3 | 7.20 | 0.001311 | 0.003650 |
| Cdcp1 | 1427095_at | CUB domain containing protein 1 | 5.69 | 0.000000 | 0.000006 |
| Ceacam1 | 1427711_a_at | carcinoembryonic antigen-related cell adhesion molecule 1 | 6.82 | 0.000024 | 0.000143 |
| Celsr1 | 1418925_at | cadherin, EGF LAG seven-pass G-type receptor 1 (flamingo homolog, Drosophila) | 5.38 | 0.000002 | 0.000023 |
| Celsr2 | 1435336_at | cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila) | 4.06 | 0.000000 | 0.000002 |
| Ces1d | 1435370_a_at | carboxylesterase 1D | 5.06 | 0.000126 | 0.000525 |
| Cftr | 1420579_s_at | cystic fibrosis transmembrane conductance regulator | 5.62 | 0.000000 | 0.000002 |
| Cgn | 1435155_at | cingulin | 5.01 | 0.000000 | 0.000004 |
| Chchd10 | 1436990_s_at | coiled-coil-helix-coiled-coil-helix domain containing 10 | 4.44 | 0.000001 | 0.000016 |
| Chdh | 1455435_s_at | choline dehydrogenase | 5.51 | 0.000000 | 0.000004 |
| Chmp4c | 1420517_at | charged multivesicular body protein 4C | 7.37 | 0.000014 | 0.000096 |
| Chodl | 1451440_at | chondrolectin | 5.50 | 0.000005 | 0.000043 |
| Cited4 | 1425400_a_at | Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 4 | 5.25 | 0.000002 | 0.000020 |
| Ckmt1 | 1417089_a_at | creatine kinase, mitochondrial 1, ubiquitous | 7.29 | 0.000033 | 0.000181 |
| Clca1 /// Clca2 | 1460259_s_at | chloride channel calcium activated 1 /// chloride channel calcium activated 2 | 4.80 | 0.000153 | 0.000614 |
| Clca2 | 1437578_at | chloride channel calcium activated 2 | 7.61 | 0.000009 | 0.000065 |
| Clca3 | 1416306_at | chloride channel calcium activated 3 | 11.46 | 0.000009 | 0.000066 |
| Cldn23 | 1424409_at | claudin 23 | 7.22 | 0.000071 | 0.000332 |
| Cldn3 | 1426332_a_at | claudin 3 | 7.12 | 0.000003 | 0.000028 |
| Cldn4 | 1418283_at | claudin 4 | 5.41 | 0.000022 | 0.000133 |
| Cldn7 | 1448393_at | claudin 7 | 5.95 | 0.000005 | 0.000043 |
| Cldn8 | 1449091_at | claudin 8 | 6.16 | 0.000192 | 0.000737 |
| Clic6 | 1454866_s_at | chloride intracellular channel 6 | 5.14 | 0.000012 | 0.000085 |
| Clmn | 1429166_s_at | calmin | 5.72 | 0.000014 | 0.000094 |
| Cmb1 | 1451322_at | carboxymethylenebutenolidase-like (Pseudomonas) | 4.45 | 0.000005 | 0.000040 |
| Cnksr1 | 1455399_at | connector enhancer of kinase suppressor of Ras 1 | 4.12 | 0.000000 | 0.000003 |
| Cobl | 1434917_at | cordons-bleu WH2 repeat | 4.77 | 0.000000 | 0.000002 |
| Cobl1 | 1454795_at | Cobl-like 1 | 4.09 | 0.000007 | 0.000054 |
| Col17a1 | 1418799_a_at | collagen, type XVII, alpha 1 | 5.72 | 0.000002 | 0.000023 |
| CRABP1 | 1448326_a_at | cellular retinoic acid binding protein I | 6.47 | 0.000227 | 0.000847 |
| Crb3 | 1434851_s_at | crumbs homolog 3 (Drosophila) | 5.20 | 0.000002 | 0.000021 |
| Csta | 1435760_at | cystatin A | 7.06 | 0.000147 | 0.000593 |
| Cxadr | 1453282_at | coxsackie virus and adenovirus receptor | 5.49 | 0.000001 | 0.000012 |
| Cxcl17 | 1451610_at | chemokine (C-X-C motif) ligand 17 | 6.12 | 0.000002 | 0.000019 |
| Cxcl5 | 1419728_at | chemokine (C-X-C motif) ligand 5 | 4.11 | 0.000772 | 0.002340 |
| Cyp2b10 | 1425645_s_at | cytochrome P450, family 2, subfamily b, polypeptide 10 | 7.09 | 0.000006 | 0.000046 |
| Cyp2f2 | 1448792_a_at | cytochrome P450, family 2, subfamily f, polypeptide 2 | 6.37 | 0.000015 | 0.000098 |
| Cystm1 | 1427878_at | cysteine-rich transmembrane module containing 1 | 4.09 | 0.000009 | 0.000065 |
| D10Bwg1379e | 1435050_at | DNA segment, Chr 10, Brigham & Women's Genetics 1379 expressed | 4.64 | 0.000069 | 0.000323 |
| D630039A03Rik | 1437085_at | RIKEN cDNA D630039A03 gene | 4.86 | 0.000000 | 0.000004 |
| Dach2 | 1449823_at | dachshund 2 (Drosophila) | 4.41 | 0.000021 | 0.000129 |
| DAPL1 | 1453568_at | death associated protein-like 1 | 6.61 | 0.000006 | 0.000048 |

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| Defb1 | 1419491_at | defensin beta 1 | 4.72 | 0.005827 | 0.013005 |
| Dennd2d | 1451363_a_at | DENN/MADD domain containing 2D | 4.17 | 0.000001 | 0.000009 |
| Dmbt1 | 1418287_a_at | deleted in malignant brain tumors 1 | 4.45 | 0.078994 | 0.122023 |
| Dnase112 | 1450936_a_at | deoxyribonuclease 1-like 2 | 6.36 | 0.000001 | 0.000016 |
| Dnase2a | 1430135_at | deoxyribonuclease II alpha | 4.23 | 0.000002 | 0.000023 |
| Dsc2 | 1426911_at | desmocollin 2 | 6.14 | 0.000000 | 0.000002 |
| Dsc3 | 1434534_at | desmocollin 3 | 4.91 | 0.000001 | 0.000018 |
| Dsg2 | 1425619_s_at | desmoglein 2 | 6.24 | 0.000001 | 0.000015 |
| Dst | 1421117_at | dystonin | 4.29 | 0.000003 | 0.000030 |
| Edn1 | 1451924_a_at | endothelin 1 | 5.10 | 0.000002 | 0.000019 |
| Efna1 | 1448510_at | ephrin A1 | 4.05 | 0.000003 | 0.000026 |
| Efnb2 | 1419638_at | ephrin B2 | 5.00 | 0.000001 | 0.000011 |
| Egf | 1418093_a_at | epidermal growth factor | 5.55 | 0.000224 | 0.000835 |
| Ehf | 1419474_a_at | ets homologous factor | 6.31 | 0.000004 | 0.000037 |
| Elf3 | 1416916_at | E74-like factor 3 | 5.54 | 0.000021 | 0.000129 |
| Elf5 | 1419555_at | E74-like factor 5 | 4.40 | 0.001855 | 0.004896 |
| Elmo3 | 1434489_at | engulfment and cell motility 3 | 4.75 | 0.000001 | 0.000015 |
| Elov7 | 1424097_at | ELOVL family member 7, elongation of long chain fatty acids (yeast) | 6.20 | 0.000005 | 0.000041 |
| Enpp5 | 1425702_a_at | ectonucleotide pyrophosphatase/phosphodiesterase 5 | 5.10 | 0.000000 | 0.000005 |
| Entpd8 | 1429550_at | ectonucleoside triphosphate diphosphohydrolase 8 | 4.25 | 0.000003 | 0.000026 |
| Epb4.1l4a | 1449167_at | erythrocyte protein band 4.1-like 4a | 5.38 | 0.000000 | 0.000004 |
| Epb4.1l4b | 1418294_at | erythrocyte protein band 4.1-like 4b | 4.85 | 0.000030 | 0.000168 |
| Epcam | 1416579_a_at | epithelial cell adhesion molecule | 4.44 | 0.000017 | 0.000111 |
| Epha4 | 1429021_at | Eph receptor A4 | 6.19 | 0.000002 | 0.000024 |
| Eppk1 | 1427537_at | epioplakin 1 | 5.55 | 0.000001 | 0.000009 |
| Erb3 | 1434606_at | v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian) | 5.11 | 0.000000 | 0.000003 |
| Ersp1 | 1454681_at | epithelial splicing regulatory protein 1 | 6.39 | 0.000000 | 0.000006 |
| Ersp2 | 1433683_at | epithelial splicing regulatory protein 2 | 5.38 | 0.000000 | 0.000002 |
| Esrrg | 1457896_at | estrogen-related receptor gamma | 6.33 | 0.000001 | 0.000016 |
| Esrrg | 1455267_at | estrogen-related receptor gamma | 5.77 | 0.000010 | 0.000074 |
| Eva1a | 1424652_at | eva-1 homolog A (C. elegans) | 5.07 | 0.000007 | 0.000054 |
| Exph5 | 1441214_at | exophilin 5 | 4.27 | 0.000009 | 0.000065 |
| Eya2 | 1424127_at | eyes absent 2 homolog (Drosophila) | 4.47 | 0.000001 | 0.000017 |
| Fam174b | 1434273_at | family with sequence similarity 174, member B | 4.20 | 0.000056 | 0.000275 |
| Fam3b | 1425122_at | family with sequence similarity 3, member B | 6.68 | 0.000262 | 0.000952 |
| Fam83e | 1430717_at | family with sequence similarity 83, member E | 4.61 | 0.000001 | 0.000012 |
| Fam83e | 1439430_x_at | family with sequence similarity 83, member E | 4.21 | 0.000000 | 0.000002 |
| Fam83h | 1452273_at | family with sequence similarity 83, member H | 4.99 | 0.000003 | 0.000033 |
| Fam84a | 1425452_s_at | family with sequence similarity 84, member A | 6.91 | 0.000001 | 0.000014 |
| Fat2 | 1457135_at | FAT tumor suppressor homolog 2 (Drosophila) | 4.19 | 0.000000 | 0.000003 |
| Ffar4 | 1439489_at | free fatty acid receptor 4 | 5.61 | 0.000000 | 0.000001 |
| Fgfr13 | 1418497_at | fibroblast growth factor 13 | 4.13 | 0.000002 | 0.000024 |
| Fgfr2 | 1433489_s_at | fibroblast growth factor receptor 2 | 5.06 | 0.000002 | 0.000023 |
| Fgfr3 | 1421841_at | fibroblast growth factor receptor 3 | 5.24 | 0.000001 | 0.000010 |
| Foxa1 | 1418496_at | forkhead box A1 | 5.07 | 0.000002 | 0.000026 |
| Foxq1 | 1438558_x_at | forkhead box Q1 | 6.97 | 0.000046 | 0.000237 |
| Frk | 1421362_a_at | fyn-related kinase | 4.72 | 0.000042 | 0.000221 |
| Frk | 1426569_a_at | fyn-related kinase | 4.00 | 0.000007 | 0.000057 |
| Fut9 | 1457409_at | fucosyltransferase 9 | 6.72 | 0.000001 | 0.000010 |
| Fxyd3 | 1418374_at | FXD domain-containing ion transport regulator 3 | 4.56 | 0.000012 | 0.000081 |
| Fxyd4 | 1418207_at | FXD domain-containing ion transport regulator 4 | 6.60 | 0.000072 | 0.000334 |
| Fzd6 | 1417301_at | frizzled homolog 6 (Drosophila) | 4.24 | 0.000000 | 0.000007 |
| Gabrp | 1451424_at | gamma-aminobutyric acid (GABA) A receptor, pi | 6.85 | 0.000000 | 0.000004 |
| Gabrp | 1424647_at | gamma-aminobutyric acid (GABA) A receptor, pi | 5.04 | 0.000017 | 0.000108 |
| GATA3 | 1448886_at | GATA binding protein 3 | 6.46 | 0.000006 | 0.000047 |
| Gdpd1 | 1424076_at | glycerophosphodiester phosphodiesterase domain containing 1 | 4.18 | 0.000001 | 0.000018 |
| Gfra1 | 1439015_at | glial cell line derived neurotrophic factor family receptor alpha 1 | 4.44 | 0.000000 | 0.000004 |
| Gipc2 | 1417178_at | GIPC PDZ domain containing family, member 2 | 4.93 | 0.000000 | 0.000005 |
| gjb2 | 1423271_at | gap junction protein, beta 2 | 6.58 | 0.000002 | 0.000026 |
| Gm16136 | 1429086_at | predicted gene 16136 | 5.37 | 0.000002 | 0.000020 |
| Gm3579 /// LOC67 | 1431214_at | predicted gene 3579 /// murine leukemia retrovirus | 4.69 | 0.000081 | 0.000369 |
| Gm5480 | 1439560_x_at | predicted gene 5480 | 5.91 | 0.000016 | 0.000102 |
| Gm8096 /// Phgdh | 1426657_s_at | 3-phosphoglycerate dehydrogenase pseudogene /// 3-phosphoglycerate dehydrogenase | 5.67 | 0.000001 | 0.000011 |
| Gm8096 /// Phgdh | 1434158_at | GDP-mannose 4, 6-dehydratase | 4.61 | 0.000001 | 0.000010 |
| Gp2 | 1449452_a_at | glycoprotein 2 (zymogen granule membrane) | 4.01 | 0.000122 | 0.000511 |
| Gpr126 | 1437409_s_at | G protein-coupled receptor 126 | 4.02 | 0.000000 | 0.000001 |
| Gpr87 | 1420364_at | G protein-coupled receptor 87 | 4.33 | 0.000034 | 0.000186 |
| Gpx2 | 1449279_at | glutathione peroxidase 2 | 5.60 | 0.003504 | 0.008396 |
| Grb7 | 1448227_at | growth factor receptor bound protein 7 | 4.43 | 0.000000 | 0.000002 |
| Grlh1 | 1424030_at | grainyhead-like 1 (Drosophila) | 4.82 | 0.000003 | 0.000032 |
| Grlh2 | 1427046_at | grainyhead-like 2 (Drosophila) | 5.31 | 0.000007 | 0.000057 |
| Grip1 | 1435951_at | glutamate receptor interacting protein 1 | 4.11 | 0.000001 | 0.000014 |
| Gsdmc | 1419591_at | gasdermin C | 4.41 | 0.001479 | 0.004042 |
| Gsdmc2 | 1454883_at | gasdermin C2 | 6.77 | 0.000578 | 0.001837 |
| Gsdmc2 /// Gsdmc | 1430641_at | gasdermin C2 /// gasdermin C4 | 5.03 | 0.002276 | 0.005823 |
| Gsta4 | 1416368_at | glutathione S-transferase, alpha 4 | 5.68 | 0.000034 | 0.000185 |

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|------------------|--------------|---|------|----------|----------|
| Gstt3 | 1423891_at | glutathione S-transferase, theta 3 | 4.03 | 0.000001 | 0.000016 |
| H2-Q2 | 1418734_at | histocompatibility 2, Q region locus 2 | 6.87 | 0.000001 | 0.000017 |
| Hnf1b | 1451687_a_at | HNF1 homeobox B | 4.10 | 0.000000 | 0.000003 |
| Homer2 | 1424367_a_at | homer homolog 2 (Drosophila) | 4.46 | 0.000015 | 0.000099 |
| Hook1 | 1438018_at | hook homolog 1 (Drosophila) | 5.74 | 0.000000 | 0.000004 |
| Hoxb13 | 1419576_at | homeobox B13 | 6.25 | 0.000006 | 0.000049 |
| Hsd11b2 | 1416761_at | hydroxysteroid 11-beta dehydrogenase 2 | 4.57 | 0.000501 | 0.001633 |
| Ica1 | 1431644_a_at | islet cell autoantigen 1 | 4.31 | 0.000003 | 0.000028 |
| Ido1 | 1420437_at | indoleamine 2,3-dioxygenase 1 | 4.96 | 0.000042 | 0.000220 |
| Igsf5 | 1451407_at | immunoglobulin superfamily, member 5 | 6.25 | 0.000005 | 0.000040 |
| Ikzf2 | 1456956_at | IKAROS family zinc finger 2 | 4.22 | 0.000004 | 0.000037 |
| Il17re | 1426566_s_at | interleukin 17 receptor E | 5.43 | 0.000000 | 0.000006 |
| Il8 | 1421404_at | interleukin 8 | 7.20 | 0.000129 | 0.000537 |
| Ildr1 | 1423276_at | immunoglobulin-like domain containing receptor 1 | 5.67 | 0.000000 | 0.000002 |
| Inadl | 1418983_at | InaD-like (Drosophila) | 5.42 | 0.000001 | 0.000011 |
| Irf6 | 1418301_at | interferon regulatory factor 6 | 5.36 | 0.000000 | 0.000005 |
| Irx2 | 1426298_at | Iroquois related homeobox 2 (Drosophila) | 5.60 | 0.000000 | 0.000004 |
| Irx5 | 1421072_at | Iroquois related homeobox 5 (Drosophila) | 5.47 | 0.000000 | 0.000003 |
| Irgb4 | 1427387_a_at | integrin beta 4 | 4.99 | 0.000000 | 0.000007 |
| Irgb6 | 1422983_at | integrin beta 6 | 5.61 | 0.000000 | 0.000002 |
| Kcne3 | 1418499_a_at | potassium voltage-gated channel, Isk-related subfamily, gene 3 | 5.03 | 0.000808 | 0.002431 |
| Kcnk1 | 1455896_a_at | potassium channel, subfamily K, member 1 | 5.91 | 0.000046 | 0.000237 |
| Kcnk5 | 1421852_at | potassium channel, subfamily K, member 5 | 4.88 | 0.000001 | 0.000010 |
| Kctd1 | 1422293_a_at | potassium channel tetramerisation domain containing 1 | 4.50 | 0.000000 | 0.000006 |
| Kctd14 | 1455451_at | potassium channel tetramerisation domain containing 14 | 6.85 | 0.000001 | 0.000013 |
| Klf5 | 1451021_a_at | Kruppel-like factor 5 | 5.96 | 0.000030 | 0.000168 |
| Klhdc7a | 1456409_at | kelch domain containing 7A | 5.15 | 0.000005 | 0.000041 |
| Krt14 | 1460347_at | keratin 14 | 5.22 | 0.000000 | 0.000008 |
| Krt15 | 1422667_at | keratin 15 | 4.56 | 0.000043 | 0.000225 |
| KRT17 | 1423227_at | keratin 17 | 6.60 | 0.000003 | 0.000033 |
| Krt18 | 1448169_at | keratin 18 | 5.10 | 0.000002 | 0.000024 |
| Krt19 | 1417156_at | keratin 19 | 4.53 | 0.000028 | 0.000160 |
| Krt23 | 1418213_at | keratin 23 | 6.23 | 0.000006 | 0.000050 |
| Krt4 | 1438394_x_at | keratin 4 | 5.76 | 0.000032 | 0.000176 |
| Krt4 | 1418735_at | keratin 4 | 5.64 | 0.000046 | 0.000235 |
| Krt5 | 1424096_at | keratin 5 | 5.31 | 0.000001 | 0.000010 |
| Krt6a | 1422784_at | keratin 6A | 4.77 | 0.000005 | 0.000043 |
| Krt7 | 1423952_a_at | keratin 7 | 6.24 | 0.000002 | 0.000022 |
| Krt8 | 1423691_x_at | keratin 8 | 4.34 | 0.000004 | 0.000040 |
| Krtcap3 | 1432474_a_at | keratinocyte associated protein 3 | 4.94 | 0.000002 | 0.000023 |
| Lad1 | 1418449_at | ladinin | 5.34 | 0.000000 | 0.000004 |
| Lama3 | 1427512_a_at | laminin, alpha 3 | 5.88 | 0.000000 | 0.000002 |
| Lama5 | 1427009_at | laminin, alpha 5 | 4.11 | 0.000005 | 0.000044 |
| Lamb3 | 1417812_a_at | laminin, beta 3 | 5.77 | 0.000001 | 0.000014 |
| Lgals7 | 1422308_a_at | lectin, galactose binding, soluble 7 | 5.10 | 0.000451 | 0.001496 |
| Lgr4 | 1433891_at | leucine-rich repeat-containing G protein-coupled receptor 4 | 4.45 | 0.000002 | 0.000023 |
| Lipe | 1432180_at | lipase, hormone sensitive | 5.76 | 0.000001 | 0.000010 |
| Liph | 1457026_at | lipase, member H | 5.56 | 0.000003 | 0.000027 |
| Lmo7 | 1455056_at | LIM domain only 7 | 5.45 | 0.000008 | 0.000058 |
| LOC101056347 /// | 1460616_at | solute carrier organic anion transporter family member 4C1-like /// | 4.64 | 0.000036 | 0.000192 |
| LOC26 | 1451498_at | leucine rich repeat containing 26 | 6.20 | 0.000071 | 0.000331 |
| Ltf | 1450009_at | lactotransferrin | 5.52 | 0.000011 | 0.000079 |
| Lurap1l | 1428384_at | leucine rich adaptor protein 1-like | 4.64 | 0.000000 | 0.000005 |
| Ly6d | 1416930_at | lymphocyte antigen 6 complex, locus D | 6.29 | 0.000021 | 0.000130 |
| Ly6k | 1452855_at | lymphocyte antigen 6 complex, locus K | 4.64 | 0.000677 | 0.002096 |
| Lypd8 | 1451441_at | LY6/PLAUR domain containing 8 | 4.25 | 0.044104 | 0.074100 |
| Macc1 | 1457044_at | metastasis associated in colon cancer 1 | 6.18 | 0.000000 | 0.000005 |
| Mal | 1417275_at | myelin and lymphocyte protein, T cell differentiation protein | 6.94 | 0.000013 | 0.000086 |
| Mal2 | 1427042_at | mal, T cell differentiation protein 2 | 6.85 | 0.000002 | 0.000021 |
| Mall | 1435693_at | mal, T cell differentiation protein-like | 4.15 | 0.000249 | 0.000913 |
| Mansc1 | 1423284_at | MANSC domain containing 1 | 4.65 | 0.000002 | 0.000019 |
| Map2 | 1434194_at | microtubule-associated protein 2 | 5.22 | 0.000000 | 0.000004 |
| Map7 | 1421835_at | microtubule-associated protein 7 | 5.05 | 0.000000 | 0.000004 |
| Mapk13 | 1448871_at | mitogen-activated protein kinase 13 | 5.45 | 0.000013 | 0.000089 |
| Marvel2 | 1426914_at | MARVEL (membrane-associating) domain containing 2 | 6.01 | 0.000000 | 0.000008 |
| Marvel3 | 1453264_at | MARVEL (membrane-associating) domain containing 3 | 6.89 | 0.000000 | 0.000007 |
| Mboat1 | 1435323_a_at | membrane bound O-acyltransferase domain containing 1 | 5.26 | 0.000001 | 0.000012 |
| Me1 | 1416632_at | malic enzyme 1, NADP(+)-dependent, cytosolic | 4.18 | 0.000004 | 0.000039 |
| Mecom | 1438325_at | MDS1 and EVI1 complex locus | 4.55 | 0.000001 | 0.000016 |
| Met | 1434447_at | met proto-oncogene | 5.06 | 0.000000 | 0.000002 |
| Mfap3l | 1428804_at | microfibrillar-associated protein 3-like | 4.09 | 0.000001 | 0.000009 |
| Mfsd4 | 1436021_at | major facilitator superfamily domain containing 4 | 6.59 | 0.000002 | 0.000026 |
| Mgst3 | 1448300_at | microsomal glutathione S-transferase 3 | 4.02 | 0.000001 | 0.000009 |
| Mia | 1419608_a_at | melanoma inhibitory activity | 5.86 | 0.000004 | 0.000035 |
| Mlph | 1449896_at | melanophilin | 5.83 | 0.000012 | 0.000084 |
| Mmp15 | 1422597_at | matrix metalloproteinase 15 | 6.84 | 0.000005 | 0.000046 |

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| Mpped2 | 1431751_a_at | metallophosphoesterase domain containing 2 | 5.52 | 0.000000 | 0.000006 |
| Mpzl2 | 1448265_x_at | myelin protein zero-like 2 | 5.16 | 0.000002 | 0.000018 |
| Msln | 1460238_at | mesothelin | 4.44 | 0.000011 | 0.000079 |
| Msx2 | 1449559_at | homeobox, msh-like 2 | 4.61 | 0.000000 | 0.000002 |
| Muc1 | 1449199_at | mucin 1, transmembrane | 5.68 | 0.000030 | 0.000167 |
| Muc20 | 1451786_at | mucin 20 | 5.56 | 0.000024 | 0.000140 |
| Myb | 1422734_a_at | myeloblastosis oncogene | 5.33 | 0.000000 | 0.000007 |
| Myh14 | 1428835_at | myosin, heavy polypeptide 14 | 4.10 | 0.000001 | 0.000010 |
| MYO5B | 1452298_a_at | myosin VB | 6.63 | 0.000001 | 0.000012 |
| Myo5c | 1424933_at | myosin VC | 5.09 | 0.000002 | 0.000025 |
| Myo6 | 1433942_at | myosin VI | 4.85 | 0.000009 | 0.000064 |
| Nbea | 1452251_at | neurobeachin | 4.13 | 0.000002 | 0.000019 |
| Nfe2l3 | 1417520_at | nuclear factor, erythroid derived 2, like 3 | 7.18 | 0.000000 | 0.000003 |
| Nfib | 1438244_at | nuclear factor I/B | 4.17 | 0.000000 | 0.000005 |
| Nipal2 | 1424612_at | NIPA-like domain containing 2 | 5.37 | 0.000001 | 0.000012 |
| NLRP10 | 1456211_at | NLR family, pyrin domain containing 10 | 6.59 | 0.000039 | 0.000205 |
| Noxo1 | 1425151_a_at | NADPH oxidase organizer 1 | 6.12 | 0.000003 | 0.000027 |
| Nr3c2 | 1435991_at | nuclear receptor subfamily 3, group C, member 2 | 4.03 | 0.000014 | 0.000096 |
| Ntf5 | 1440353_at | neurotrophin 5 | 4.02 | 0.000000 | 0.000007 |
| Ocln | 1448873_at | occludin | 6.26 | 0.000001 | 0.000014 |
| Oit1 | 1424502_at | oncoprotein induced transcript 1 | 6.06 | 0.000004 | 0.000037 |
| Olfm4 | 1437060_at | olfactomedin 4 | 5.69 | 0.000003 | 0.000032 |
| Padf4 | 1422760_at | peptidyl arginine deiminase, type IV | 4.30 | 0.000010 | 0.000075 |
| Pard6b | 1423174_a_at | par-6 (partitioning defective 6) homolog beta (C. elegans) | 6.06 | 0.000027 | 0.000153 |
| Pdzk1ip1 | 1417689_a_at | PDZK1 interacting protein 1 | 4.89 | 0.000037 | 0.000199 |
| Perp | 1416271_at | PERP, TP53 apoptosis effector | 4.87 | 0.000000 | 0.000004 |
| Pglyrp1 | 1449184_at | peptidoglycan recognition protein 1 | 5.16 | 0.000731 | 0.002235 |
| Phgdh | 1454714_x_at | 3-phosphoglycerate dehydrogenase | 4.27 | 0.000013 | 0.000090 |
| Phgdh | 1437621_x_at | 3-phosphoglycerate dehydrogenase | 4.01 | 0.000004 | 0.000040 |
| Pik3r3 | 1456482_at | phosphatidylinositol 3 kinase, regulatory subunit, polypeptide 3 (p55) | 4.96 | 0.000004 | 0.000034 |
| Pkp1 | 1449586_at | plakophilin 1 | 4.56 | 0.000006 | 0.000048 |
| Pkp2 | 1449799_s_at | plakophilin 2 | 5.48 | 0.000004 | 0.000036 |
| Pkp4 | 1438677_at | plakophilin 4 | 4.02 | 0.000000 | 0.000002 |
| Plcd3 | 1431892_a_at | phospholipase C, delta 3 | 4.46 | 0.000003 | 0.000029 |
| PLCH1 | 1457157_at | phospholipase C, eta 1 | 6.60 | 0.000000 | 0.000006 |
| Plek2 | 1449424_at | pleckstrin 2 | 4.25 | 0.000000 | 0.000003 |
| Plekha6 | 1427149_at | pleckstrin homology domain containing, family A member 6 | 4.26 | 0.000004 | 0.000036 |
| Plekhh1 | 1452517_at | pleckstrin homology domain containing, family H (with MYTH4 domain) member 1 | 5.27 | 0.000122 | 0.000513 |
| Plekhs1 | 1427521_a_at | pleckstrin homology domain containing, family S member 1 | 5.90 | 0.000000 | 0.000007 |
| Pls1 | 1460406_at | plastin 1 (I-isoform) | 4.22 | 0.000002 | 0.000021 |
| Plxnb1 | 1435254_at | plexin B1 | 4.33 | 0.000001 | 0.000014 |
| Pm20d2 | 1457883_at | peptidase M20 domain containing 2 | 4.83 | 0.000004 | 0.000034 |
| Pof1b | 1427492_at | premature ovarian failure 1B | 6.05 | 0.000001 | 0.000014 |
| Ppargc1a | 1460336_at | peroxisome proliferative activated receptor, gamma, coactivator 1 alpha | 7.14 | 0.000000 | 0.000003 |
| Ppm1l | 1435787_at | protein phosphatase 1 (formerly 2C)-like | 4.03 | 0.000002 | 0.000026 |
| Ppp1r1b | 1451331_at | protein phosphatase 1, regulatory (inhibitor) subunit 1B | 5.20 | 0.000003 | 0.000028 |
| Ppkaa2 | 1434766_at | protein kinase, AMP-activated, alpha 2 catalytic subunit | 4.44 | 0.000000 | 0.000003 |
| Prlr | 1441102_at | prolactin receptor | 6.89 | 0.000043 | 0.000223 |
| Prom1 | 1419700_a_at | prominin 1 | 4.21 | 0.000037 | 0.000198 |
| Proser2 | 1456210_at | proline and serine rich 2 | 5.55 | 0.000000 | 0.000008 |
| Prr15 | 1452473_at | proline rich 15 | 4.41 | 0.000000 | 0.000004 |
| Prr15l | 1433870_at | proline rich 15-like | 5.68 | 0.000002 | 0.000022 |
| Prss22 | 1420352_at | protease, serine, 22 | 5.56 | 0.000003 | 0.000028 |
| Prss27 | 1440686_at | protease, serine, 27 | 6.47 | 0.000153 | 0.000612 |
| Prss8 | 1418320_at | protease, serine, 8 (prostasin) | 6.14 | 0.000020 | 0.000125 |
| Psap1 | 1440186_s_at | prosaposin-like 1 | 4.99 | 0.000010 | 0.000070 |
| Ptprf | 1420842_at | protein tyrosine phosphatase, receptor type, F | 4.23 | 0.000001 | 0.000011 |
| Ptprk | 1444763_at | protein tyrosine phosphatase, receptor type, K | 4.66 | 0.000003 | 0.000029 |
| Rab17 | 1422178_a_at | RAB17, member RAS oncogene family | 4.18 | 0.000012 | 0.000084 |
| Rab25 | 1417738_at | RAB25, member RAS oncogene family | 5.02 | 0.000001 | 0.000014 |
| Rab27b | 1439610_at | RAB27b, member RAS oncogene family | 6.01 | 0.000005 | 0.000044 |
| Rab4a | 1418341_at | RAB4A, member RAS oncogene family | 4.55 | 0.000001 | 0.000014 |
| Rad51b | 1421430_at | RAD51 homolog B | 4.16 | 0.000078 | 0.000358 |
| Rasd1 | 1423619_at | RAS, dexamethasone-induced 1 | 5.20 | 0.000003 | 0.000031 |
| Rasef | 1458591_at | RAS and EF hand domain containing | 6.17 | 0.000001 | 0.000011 |
| Rassf6 | 1429262_at | Ras association (RalGDS/AF-6) domain family member 6 | 5.85 | 0.000003 | 0.000029 |
| Rassf9 | 1427942_at | Ras association (RalGDS/AF-6) domain family (N-terminal) member 9 | 4.60 | 0.000001 | 0.000015 |
| Reep6 | 1430128_a_at | receptor accessory protein 6 | 4.80 | 0.000001 | 0.000009 |
| Reg3b | 1448290_at | regenerating islet-derived 3 beta | 5.54 | 0.001157 | 0.003282 |
| Reg3g | 1448872_at | regenerating islet-derived 3 gamma | 4.60 | 0.000264 | 0.000957 |
| Rhbd12 | 1442819_at | rhomboid, veinlet-like 2 (Drosophila) | 4.61 | 0.000001 | 0.000011 |
| Rhpn2 | 1431805_a_at | rhophilin, Rho GTPase binding protein 2 | 7.01 | 0.000009 | 0.000069 |
| Ripk4 | 1418488_s_at | receptor-interacting serine-threonine kinase 4 | 6.10 | 0.000000 | 0.000007 |
| Ripply3 | 1420459_at | rippy3 homolog (zebrafish) | 4.64 | 0.000013 | 0.000088 |
| Rnf128 | 1449036_at | ring finger protein 128 | 4.62 | 0.000003 | 0.000032 |
| Rnf43 | 1427008_at | ring finger protein 43 | 5.84 | 0.000006 | 0.000049 |

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| S100a14 | 1449166_at | S100 calcium binding protein A14 | 5.76 | 0.000014 | 0.000094 |
| Saa1 | 1450788_at | serum amyloid A 1 | 5.93 | 0.000557 | 0.001784 |
| Sbp /// Sbp1 | 1418307_a_at | spermine binding protein /// spermine binding protein-like | 6.06 | 0.195019 | 0.263602 |
| Sdcbp2 | 1424090_at | syndecan binding protein (syntenin) 2 | 4.89 | 0.000004 | 0.000039 |
| Sectm1a | 1425002_at | secreted and transmembrane 1A | 5.08 | 0.000013 | 0.000088 |
| Sectm1b | 1419478_at | secreted and transmembrane 1B | 5.96 | 0.000003 | 0.000028 |
| Sel1l3 | 1452227_at | sel-1 suppressor of lin-12-like 3 (C. elegans) | 4.87 | 0.000002 | 0.000024 |
| Serinc2 | 1434382_at | serine incorporator 2 | 4.68 | 0.000001 | 0.000018 |
| Serpinb11 | 1449451_at | serine (or cysteine) peptidase inhibitor, clade B (ovalbumin), member 11 | 5.78 | 0.001182 | 0.003345 |
| Serpinb5 | 1441941_x_at | serine (or cysteine) peptidase inhibitor, clade B, member 5 | 6.28 | 0.000001 | 0.000011 |
| Sfn | 1448612_at | stratifin | 4.77 | 0.000008 | 0.000064 |
| Sftpd | 1420378_at | surfactant associated protein D | 6.97 | 0.000001 | 0.000015 |
| Sh2d4a | 1453377_at | SH2 domain containing 4A | 4.78 | 0.000000 | 0.000002 |
| Sh3yl1 | 1449579_at | Sh3 domain YSC-like 1 | 5.28 | 0.000001 | 0.000016 |
| Shmt1 | 1425179_at | serine hydroxymethyltransferase 1 (soluble) | 4.19 | 0.000002 | 0.000019 |
| Sidt1 | 1426550_at | SID1 transmembrane family, member 1 | 4.43 | 0.000001 | 0.000010 |
| Slain1 | 1424824_at | SLAIN motif family, member 1 | 4.73 | 0.000001 | 0.000010 |
| Slc12a2 | 1448780_at | solute carrier family 12, member 2 | 4.80 | 0.000002 | 0.000025 |
| Slc15a2 | 1447808_s_at | solute carrier family 15 (H+/peptide transporter), member 2 | 4.85 | 0.000001 | 0.000012 |
| Slc16a12 | 1434188_at | solute carrier family 16 (monocarboxylic acid transporters), member 12 | 4.03 | 0.000473 | 0.001557 |
| Slc22a23 | 1453004_at | solute carrier family 22, member 23 | 4.32 | 0.000016 | 0.000104 |
| Slc26a4 | 1419725_at | solute carrier family 26, member 4 | 4.74 | 0.001535 | 0.004177 |
| Slc28a3 | 1419571_at | solute carrier family 28 (sodium-coupled nucleoside transporter), member 3 | 5.98 | 0.000009 | 0.000065 |
| Slc2a12 | 1435911_s_at | solute carrier family 2 (facilitated glucose transporter), member 12 | 4.32 | 0.000000 | 0.000003 |
| Slc34a2 | 1416854_at | solute carrier family 34 (sodium phosphate), member 2 | 5.62 | 0.000001 | 0.000018 |
| Slc35g1 | 1435452_at | solute carrier family 35, member G1 | 4.40 | 0.000003 | 0.000029 |
| Slc39a4 | 1451139_at | solute carrier family 39 (zinc transporter), member 4 | 5.78 | 0.000099 | 0.000430 |
| Slc39a8 | 1448482_at | solute carrier family 39 (metal ion transporter), member 8 | 5.05 | 0.000167 | 0.000657 |
| Slc44a3 | 1425109_at | solute carrier family 44, member 3 | 6.98 | 0.000034 | 0.000186 |
| Slc44a4 | 1416596_at | solute carrier family 44, member 4 | 4.08 | 0.000021 | 0.000126 |
| Slc45a3 | 1426663_s_at | solute carrier family 45, member 3 | 6.58 | 0.000007 | 0.000053 |
| Slc4a4 | 1421225_a_at | solute carrier family 4 (anion exchanger), member 4 | 4.07 | 0.000001 | 0.000016 |
| Slc5a1 | 1455431_at | solute carrier family 5 (sodium/glucose cotransporter), member 1 | 6.61 | 0.000002 | 0.000018 |
| Slc5a8 | 1425606_at | solute carrier family 5 (iodide transporter), member 8 | 5.89 | 0.000161 | 0.000641 |
| Slc5a9 | 1439494_at | solute carrier family 5 (sodium/glucose cotransporter), member 9 | 6.69 | 0.000000 | 0.000004 |
| Slc6a14 | 1420504_at | solute carrier family 6 (neurotransmitter transporter), member 14 | 6.31 | 0.000002 | 0.000021 |
| Slc7a4 | 1426069_s_at | solute carrier family 7 (cationic amino acid transporter, y+ system), member 4 | 5.32 | 0.000006 | 0.000048 |
| Slco1a5 | 1449203_at | solute carrier organic anion transporter family, member 1a5 | 7.83 | 0.000001 | 0.000016 |
| Slco1a6 | 1419496_at | solute carrier organic anion transporter family, member 1a6 | 5.73 | 0.000000 | 0.000007 |
| Slco4c1 | 1437870_at | solute carrier organic anion transporter family, member 4C1 | 4.82 | 0.000028 | 0.000159 |
| Sorbs2 | 1441624_at | sorbin and SH3 domain containing 2 | 4.57 | 0.000002 | 0.000024 |
| Sowahb | 1438408_at | sosondawah ankyrin repeat domain family member B | 4.87 | 0.000037 | 0.000197 |
| Sox2 | 1416967_at | SRY-box containing gene 2 | 6.27 | 0.000000 | 0.000001 |
| Sox9 | 1424950_at | SRY-box containing gene 9 | 5.95 | 0.000000 | 0.000003 |
| Sp8 | 1440519_at | trans-acting transcription factor 8 | 6.35 | 0.000000 | 0.000002 |
| Spink5 | 1430567_at | serine peptidase inhibitor, Kazal type 5 | 6.86 | 0.000007 | 0.000053 |
| Spint2 | 1451935_a_at | serine protease inhibitor, Kunitz type 2 | 4.91 | 0.000008 | 0.000061 |
| Spns2 | 1451601_a_at | spinster homolog 2 | 4.49 | 0.000002 | 0.000026 |
| Sprr1a | 1449133_at | small proline-rich protein 1A | 6.66 | 0.000006 | 0.000052 |
| Sprr2a1 /// Sprr2a: | 1437258_at | small proline-rich protein 2A1 /// small proline-rich protein 2A2 | 6.22 | 0.000783 | 0.002367 |
| Sprtc3 | 1439492_at | serine palmitoyltransferase, long chain base subunit 3 | 4.59 | 0.000053 | 0.000262 |
| Sptsb | 1417803_at | serine palmitoyltransferase, small subunit B | 5.33 | 0.000118 | 0.000498 |
| Srd5a1 | 1454649_at | steroid 5 alpha-reductase 1 | 5.20 | 0.000146 | 0.000590 |
| ST14 | 1418076_at | suppression of tumorigenicity 14 (colon carcinoma) | 6.44 | 0.000000 | 0.000004 |
| Stap2 | 1424148_a_at | signal transducing adaptor family member 2 | 5.95 | 0.000001 | 0.000017 |
| Strbp | 1426411_a_at | spermatid perinuclear RNA binding protein | 4.39 | 0.000000 | 0.000003 |
| Stx19 | 1425290_at | syntaxin 19 | 4.70 | 0.000000 | 0.000002 |
| Sult1c2 | 1449409_at | sulfotransferase family, cytosolic, 1C, member 2 | 6.08 | 0.002308 | 0.005888 |
| Tacstd2 | 1423323_at | tumor-associated calcium signal transducer 2 | 5.82 | 0.000011 | 0.000080 |
| Tbx3 | 1437479_x_at | T-box 3 | 4.19 | 0.000002 | 0.000025 |
| Tc2n | 1443933_at | tandem C2 domains, nuclear | 8.04 | 0.000035 | 0.000190 |
| Tenm4 | 1451888_a_at | teneurin transmembrane protein 4 | 4.02 | 0.000000 | 0.000005 |
| Tfap2c | 1436392_s_at | transcription factor AP-2, gamma | 5.04 | 0.000002 | 0.000018 |
| Tfcp2l1 | 1418091_at | transcription factor CP2-like 1 | 5.54 | 0.000013 | 0.000087 |
| Tff3 | 1417370_at | trefoil factor 3, intestinal | 6.97 | 0.022487 | 0.041663 |
| Tgfa | 1421943_at | transforming growth factor alpha | 4.68 | 0.000000 | 0.000005 |
| Timp4 | 1423405_at | tissue inhibitor of metalloproteinase 4 | 5.40 | 0.000227 | 0.000847 |
| Tjp3 | 1417896_at | tight junction protein 3 | 6.92 | 0.000004 | 0.000037 |
| Tmc4 | 1427178_at | transmembrane channel-like gene family 4 | 5.61 | 0.000002 | 0.000019 |
| Tmc7 | 1456981_at | transmembrane channel-like gene family 7 | 4.99 | 0.000002 | 0.000020 |
| Tmem184a | 1424477_at | transmembrane protein 184a | 5.02 | 0.000000 | 0.000005 |
| Tmem30b | 1433579_at | transmembrane protein 30B | 4.83 | 0.000001 | 0.000018 |
| Tmem40 | 1441917_s_at | transmembrane protein 40 | 5.50 | 0.000002 | 0.000019 |
| Tmem45b | 1424357_at | transmembrane protein 45b | 7.29 | 0.000231 | 0.000859 |
| Tmem54 | 1417895_a_at | transmembrane protein 54 | 4.01 | 0.000005 | 0.000040 |
| Tmem56 | 1434553_at | transmembrane protein 56 | 4.45 | 0.000298 | 0.001056 |

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|----------|--------------|---|------|----------|----------|
| Tmprss13 | 1427477_at | transmembrane protease, serine 13 | 5.91 | 0.000073 | 0.000340 |
| Tmprss2 | 1449369_at | transmembrane protease, serine 2 | 5.73 | 0.000087 | 0.000391 |
| Tmprss4 | 1426302_at | transmembrane protease, serine 4 | 5.95 | 0.000001 | 0.000010 |
| Tnfsf10 | 1459913_at | tumor necrosis factor (ligand) superfamily, member 10 | 4.03 | 0.000000 | 0.000003 |
| Tnk1 | 1422721_at | tyrosine kinase, non-receptor, 1 | 4.79 | 0.000002 | 0.000020 |
| Tnnt2 | 1418726_a_at | troponin T2, cardiac | 4.71 | 0.000007 | 0.000058 |
| Tom111 | 1451117_a_at | target of myb1-like 1 (chicken) | 4.84 | 0.000004 | 0.000035 |
| Tox3 | 1436600_at | TOX high mobility group box family member 3 | 5.44 | 0.000016 | 0.000102 |
| Tpd52l1 | 1418412_at | tumor protein D52-like 1 | 4.34 | 0.000007 | 0.000053 |
| Tpm1 | 1456623_at | tropomyosin 1, alpha | 4.53 | 0.000002 | 0.000020 |
| Trim2 | 1417027_at | tripartite motif-containing 2 | 4.33 | 0.000001 | 0.000009 |
| Trp63 | 1418158_at | transformation related protein 63 | 5.04 | 0.000000 | 0.000007 |
| Tspan1 | 1417957_a_at | tetraspanin 1 | 5.67 | 0.000062 | 0.000297 |
| Tspan1 | 1417958_at | tetraspanin 1 | 5.38 | 0.000001 | 0.000011 |
| Tspan8 | 1420018_s_at | tetraspanin 8 | 8.15 | 0.000038 | 0.000202 |
| Ttc39a | 1455162_at | tetratricopeptide repeat domain 39A | 4.43 | 0.000001 | 0.000012 |
| Tyro3 | 1425248_a_at | TYRO3 protein tyrosine kinase 3 | 5.52 | 0.000002 | 0.000025 |
| Ubd | 1419762_at | ubiquitin D | 6.30 | 0.000006 | 0.000050 |
| Ugt2b34 | 1427960_at | UDP glucuronosyltransferase 2 family, polypeptide B34 | 6.17 | 0.000135 | 0.000555 |
| Upk1b | 1435831_at | uroplakin 1B | 6.17 | 0.000040 | 0.000212 |
| Vnn1 | 1418486_at | vanin 1 | 5.26 | 0.000004 | 0.000039 |
| Vsn1 | 1420955_at | visinin-like 1 | 4.47 | 0.000001 | 0.000014 |
| VTCN1 | 1458070_at | V-set domain containing T cell activation inhibitor 1 | 6.68 | 0.000002 | 0.000025 |
| W91776 | 1442439_at | expressed sequence W91776 | 5.22 | 0.000006 | 0.000048 |
| Wfdc18 | 1417160_s_at | WAP four-disulfide core domain 18 | 4.00 | 0.000018 | 0.000114 |
| Wfdc2 | 1424351_at | WAP four-disulfide core domain 2 | 4.03 | 0.001061 | 0.003050 |
| Wnk2 | 1453355_at | WNK lysine deficient protein kinase 2 | 4.86 | 0.000000 | 0.000003 |
| Wnk4 | 1427196_at | WNK lysine deficient protein kinase 4 | 4.32 | 0.000000 | 0.000005 |
| Wwc1 | 1427261_at | WW, C2 and coiled-coil domain containing 1 | 6.33 | 0.000001 | 0.000011 |
| Zfp185 | 1420944_at | zinc finger protein 185 | 4.25 | 0.000088 | 0.000392 |
| Zfp612 | 1427104_at | zinc finger protein 612 | 5.34 | 0.000000 | 0.000004 |
| Zfp7 | 1451323_at | zinc finger protein 7 | 4.89 | 0.000000 | 0.000003 |