

Apc^{1638N/+} F1/F10 (villus/crypt)

| Probe set | Gene symbol | Gene name | Fold change | p value |
|--------------|-------------|---|-------------|----------|
| 1436857_at | Defcr21 | defensin related cryptdin 21 | 0.027 | 8.70E-06 |
| 1450709_at | Defcr5 | defensin related cryptdin 5 | 0.032 | 1.22E-05 |
| 1438364_x_at | Ang4 | angiogenin, ribonuclease A family, member 4 | 0.037 | 1.53E-05 |
| 1418550_x_at | Defcr-rs1 | defensin related sequence cryptdin peptide (paneth cells) | 0.050 | 8.60E-06 |
| 1429378_x_at | AY761184 | cDNA sequence AY761184 | 0.050 | 5.50E-06 |
| 1421317_x_at | Myb | myeloblastosis oncogene | 0.064 | 3.77E-05 |
| 1418165_at | Itln1 | intelectin 1 (galactofuranose binding) | 0.074 | 4.60E-05 |
| 1439426_x_at | Lyz2 | lysozyme 2 | 0.075 | 8.30E-06 |
| 1441788_s_at | Dkc1 | dyskeratosis congenita 1, dyskerin homolog (human) | 0.078 | 7.60E-06 |
| 1436996_x_at | Lyz1 | lysozyme 1 | 0.086 | 5.70E-06 |
| 1450194_a_at | Myb | myeloblastosis oncogene | 0.086 | 8.50E-06 |
| 1416698_a_at | Cks1b | CDC28 protein kinase 1b | 0.086 | 1.00E-07 |
| 1439377_x_at | Cdc20 | cell division cycle 20 homolog (S. cerevisiae) | 0.087 | 1.80E-06 |
| 1415849_s_at | Stmn1 | stathmin 1 | 0.088 | 1.00E-07 |

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|--------------|---------------|---|-------|-----------|
| 1435945_a_at | Kcnn4 | potassium intermediate/small conductance calcium-activated channel, subfamily N, member 4 | 0.089 | 5.90E-06 |
| 1444952_a_at | Nucks1 | nuclear casein kinase and cyclin-dependent kinase substrate 1 | 0.089 | 3.84E-05 |
| 1449061_a_at | Prim1 | DNA primase, p49 subunit | 0.090 | 4.43E-05 |
| 1426817_at | Mki67 | antigen identified by monoclonal antibody Ki 67 | 0.093 | 5.00E-07 |
| 1450631_x_at | Defcr6 | defensin related cryptdin 6 | 0.101 | 2.48E-05 |
| 1437060_at | Olfm4 | olfactomedin 4 | 0.108 | 4.87E-05 |
| 1440922_at | 9130208D14Rik | RIKEN cDNA 9130208D14 gene | 0.109 | 1.26E-05 |
| 1419086_at | Fgfbp1 | fibroblast growth factor binding protein 1 | 0.110 | 0.0001658 |
| 1448595_a_at | Bex1 | brain expressed gene 1 | 0.111 | 2.37E-05 |
| 1455035_s_at | Nol5a | nucleolar protein 5A | 0.112 | 5.00E-07 |
| 1429432_at | Bat2d | BAT2 domain containing 1 | 0.116 | 0.0013014 |
| 1416039_x_at | Cyr61 | cysteine rich protein 61 | 0.121 | 4.00E-06 |
| 1452661_at | Tfrc | transferrin receptor | 0.121 | 2.91E-05 |
| 1440832_at | Ang4 | angiogenin, ribonuclease A family, member 4 | 0.125 | 6.65E-05 |
| 1439436_x_at | Incenp | inner centromere protein | 0.125 | 5.00E-07 |

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|--------------|--------------|--|-------|-----------|
| 1415851_a_at | Impdh2 | inosine 5-phosphate dehydrogenase 2 | 0.126 | 4.00E-07 |
| 1420731_a_at | Csrp2 | cysteine and glycine-rich protein 2 | 0.126 | 3.85E-05 |
| 1417622_at | Slc12a2 | solute carrier family 12, member 2 | 0.126 | 3.30E-06 |
| 1436836_x_at | LOC100047856 | similar to calponin 3, acidic | 0.130 | 2.70E-06 |
| 1431214_at | LOC67527 | murine leukemia retrovirus | 0.131 | 3.72E-05 |
| 1454991_at | Slc7a1 | solute carrier family 7 (cationic amino acid transporter, y+ system), member 1 | 0.134 | 2.60E-06 |
| 1418094_s_at | Car4 | carbonic anhydrase 4 | 0.135 | 4.50E-06 |
| 1456541_x_at | Atad3a | ATPase family, AAA domain containing 3A | 0.135 | 5.10E-06 |
| 1417910_at | Ccna2 | cyclin A2 | 0.136 | 8.00E-06 |
| 1448627_s_at | Pbk | PDZ binding kinase | 0.137 | 5.10E-06 |
| 1448780_at | Slc12a2 | solute carrier family 12, member 2 | 0.137 | 0.0001018 |
| 1441858_at | NA | NA | 0.140 | 1.61E-05 |
| 1417457_at | Cks2 | CDC28 protein kinase regulatory subunit 2 | 0.140 | 2.60E-06 |
| 1450682_at | Fabp6 | fatty acid binding protein 6, ileal (gastrotropin) | 0.140 | 0.0010241 |
| 1420142_s_at | Pa2g4 | proliferation-associated 2G4 | 0.146 | 9.00E-07 |
| 1426351_at | Hspd1 | heat shock protein 1 (chaperonin) | 0.148 | 6.20E-06 |

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|--------------|-------------------|---|-------|-----------|
| 1431213_a_at | LOC67527 | murine leukemia retrovirus | 0.148 | 2.00E-05 |
| 1448245_at | Rpsa | ribosomal protein SA | 0.149 | 1.99E-05 |
| 1418499_a_at | Kcne3 | potassium voltage-gated channel, Isk-related subfamily, gene 3 | 0.149 | 0.000142 |
| 1438178_x_at | Atad3a | ATPase family, AAA domain containing 3A | 0.153 | 2.20E-06 |
| 1419031_at | Fads2 | fatty acid desaturase 2 | 0.154 | 7.22E-05 |
| 1455319_x_at | OTTMUSG0000022847 | predicted gene, OTTMUSG0000022847 | 0.154 | 4.10E-06 |
| 1425415_a_at | Slc1a1 | solute carrier family 1 (neuronal/epithelial high affinity glutamate transporter, system Xag), member 1 | 0.155 | 0.0003849 |
| 1455540_at | Cps1 | carbamoyl-phosphate synthetase 1 | 0.156 | 0.0002755 |
| 1426533_at | Nol5a | nucleolar protein 5A | 0.160 | 9.30E-06 |
| 1437343_x_at | Atad3a | ATPase family, AAA domain containing 3A | 0.160 | 3.63E-05 |
| 1451260_at | Aldh1b1 | aldehyde dehydrogenase 1 family, member B1 | 0.160 | 1.71E-05 |
| 1455821_x_at | C1qbp | complement component 1, q subcomponent binding protein | 0.162 | 1.40E-06 |
| 1455990_at | Kif23 | kinesin family member 23 | 0.163 | 7.02E-05 |

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|--------------|-------------------|---|-------|----------|
| 1448314_at | Cdc2a | cell division cycle 2 homolog A (S. pombe) | 0.163 | 1.34E-05 |
| 1425993_a_at | Hsph1 | heat shock 105kDa/110kDa protein 1 | 0.164 | 5.60E-06 |
| 1419513_a_at | Ect2 | ect2 oncogene | 0.165 | 2.14E-05 |
| 1436759_x_at | LOC100047856 | similar to calponin 3, acidic | 0.168 | 4.70E-06 |
| 1452242_at | Cep55 | centrosomal protein 55 | 0.168 | 3.05E-05 |
| 1438511_a_at | 1190002H23Rik | RIKEN cDNA 1190002H23 gene | 0.168 | 1.38E-05 |
| 1437610_x_at | OTTMUSG0000016200 | predicted gene, OTTMUSG0000016200 | 0.169 | 4.30E-06 |
| 1419474_a_at | Ehf | ets homologous factor | 0.174 | 3.72E-05 |
| 1437716_x_at | Kif22 | kinesin family member 22 | 0.175 | 8.00E-06 |
| 1453377_at | Sh2d4a | SH2 domain containing 4A | 0.175 | 2.70E-06 |
| 1457434_s_at | Ptpla | protein tyrosine phosphatase-like (proline instead of catalytic arginine), member a | 0.175 | 2.26E-05 |
| 1439399_a_at | Snhg1 | small nucleolar RNA host gene (non-protein coding) 1 | 0.175 | 3.50E-06 |
| 1423846_x_at | Tuba1b | tubulin, alpha 1B | 0.177 | 2.00E-06 |
| 1452040_a_at | Cdca3 | cell division cycle associated 3 | 0.177 | 1.37E-05 |
| 1434280_at | NA | NA | 0.178 | 2.00E-06 |
| 1426741_a_at | Fastkd2 | FAST kinase domains 2 | 0.179 | 1.69E-05 |
| 1418715_at | Pank1 | pantothenate kinase 1 | 0.179 | 4.51E-05 |

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|--------------|---------------|---|-------|-----------|
| 1433674_a_at | Snord22 | small nucleolar RNA, C/D box 22 | 0.180 | 1.31E-05 |
| 1419153_at | 2810417H13Rik | RIKEN cDNA 2810417H13 gene | 0.181 | 2.70E-06 |
| 1415772_at | Ncl | nucleolin | 0.182 | 5.57E-05 |
| 1417822_at | D17H6S56E-5 | DNA segment, Chr 17, human D6S56E 5 | 0.182 | 2.80E-06 |
| 1455950_x_at | Rpl35 | ribosomal protein L35 | 0.183 | 4.80E-06 |
| 1417420_at | Ccnd1 | cyclin D1 | 0.183 | 0.0002315 |
| 1418305_s_at | Nola1 | nucleolar protein family A, member 1 (H/ACA small nucleolar RNPs) | 0.184 | 2.63E-05 |
| 1453752_at | Rpl17 | ribosomal protein L17 | 0.186 | 5.30E-06 |
| 1418369_at | Prim1 | DNA primase, p49 subunit | 0.186 | 5.70E-06 |
| 1417713_at | Eif2s2 | eukaryotic translation initiation factor 2, subunit 2 (beta) | 0.186 | 8.72E-05 |
| 1450668_s_at | Hspe1 | heat shock protein 1 (chaperonin 10) | 0.186 | 2.60E-06 |
| 1424615_at | Frag1 | FGF receptor activating protein 1 | 0.187 | 1.61E-05 |
| 1437313_x_at | Hmgb2 | high mobility group box 2 | 0.188 | 5.20E-06 |
| 1416236_a_at | Mpzl2 | myelin protein zero-like 2 | 0.188 | 4.05E-05 |
| 1416802_a_at | Cdca5 | cell division cycle associated 5 | 0.188 | 2.90E-06 |
| 1420381_a_at | Rpl31 | ribosomal protein L31 | 0.190 | 2.57E-05 |
| 1457139_at | Auts2 | autism susceptibility candidate 2 | 0.190 | 0.0006326 |

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|--------------|-----------|---|-------|-----------|
| 1437671_x_at | Prss23 | protease, serine, 23 | 0.191 | 3.51E-05 |
| 1429295_s_at | Trip13 | thyroid hormone receptor interactor 13 | 0.193 | 3.17E-05 |
| 1418287_a_at | Dmbt1 | deleted in malignant brain tumors 1 | 0.193 | 0.0002123 |
| 1439257_x_at | Rpn1 | ribophorin I | 0.193 | 5.20E-06 |
| 1448949_at | Car4 | carbonic anhydrase 4 | 0.193 | 0.0007959 |
| 1434231_x_at | Rpl35 | ribosomal protein L35 | 0.194 | 6.50E-06 |
| 1453572_a_at | Plp2 | proteolipid protein 2 | 0.196 | 0.0003077 |
| 1434748_at | Ckap2 | cytoskeleton associated protein 2 | 0.196 | 2.68E-05 |
| 1456438_x_at | Rpn1 | ribophorin I | 0.196 | 7.40E-06 |
| 1438940_x_at | 100040836 | predicted gene, 100040836 | 0.197 | 1.39E-05 |
| 1424046_at | Bub1 | budding uninhibited by benzimidazoles 1 homolog (S. cerevisiae) | 0.197 | 7.65E-05 |
| 1417936_at | Ccl9 | chemokine (C-C motif) ligand 9 | 0.197 | 0.0001088 |
| 1455869_at | NA | NA | 0.197 | 0.0001752 |
| 1433510_x_at | 100043718 | predicted gene, 100043718 | 0.197 | 9.30E-06 |
| 1438943_x_at | Rpn1 | ribophorin I | 0.198 | 7.90E-06 |
| 1438133_a_at | Cyr61 | cysteine rich protein 61 | 0.198 | 5.22E-05 |
| 1419964_s_at | Hdgf | hepatoma-derived growth factor | 0.199 | 0.0002252 |
| 1436707_x_at | Ncaph | non-SMC condensin I complex, subunit H | 0.200 | 5.20E-06 |
| 1436840_x_at | Rpl35 | ribosomal protein L35 | 0.201 | 6.10E-06 |

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|--------------|---------------|---|-------|-----------|
| 1416893_at | 3110001A13Rik | RIKEN cDNA 3110001A13 gene | 0.202 | 7.64E-05 |
| 1436688_x_at | Rpl14 | ribosomal protein L14 | 0.204 | 3.50E-06 |
| 1451012_a_at | Csda | cold shock domain protein A | 0.205 | 8.05E-05 |
| 1436847_s_at | Cdca8 | cell division cycle associated 8 | 0.205 | 6.10E-05 |
| 1425178_s_at | Shmt1 | serine hydroxymethyltransferase 1 (soluble) | 0.206 | 3.37E-05 |
| 1439740_s_at | Uck2 | uridine-cytidine kinase 2 | 0.206 | 4.22E-05 |
| 1433928_a_at | Rpl13a | ribosomal protein L13a | 0.206 | 3.90E-06 |
| 1425952_a_at | Gcg | glucagon | 0.207 | 0.0001824 |
| 1435800_a_at | Csda | cold shock domain protein A | 0.207 | 8.00E-06 |
| 1424511_at | Aurka | aurora kinase A | 0.208 | 9.61E-05 |
| 1416606_s_at | Nola2 | nucleolar protein family A, member 2 | 0.211 | 5.80E-06 |
| 1434278_at | Mtm1 | X-linked myotubular myopathy gene 1 | 0.212 | 6.50E-06 |
| 1452426_x_at | NA | NA | 0.212 | 5.05E-05 |
| 1438626_x_at | Rpl14 | ribosomal protein L14 | 0.212 | 3.82E-05 |
| 1418264_at | Cenpk | centromere protein K | 0.213 | 1.79E-05 |
| 1443104_at | NA | NA | 0.213 | 8.26E-05 |
| 1433688_x_at | Rpl14 | ribosomal protein L14 | 0.214 | 5.60E-06 |
| 1428951_at | Nol8 | nucleolar protein 8 | 0.215 | 0.0054995 |
| 1416453_x_at | Rps12 | ribosomal protein S12 | 0.215 | 1.06E-05 |
| 1439374_x_at | Rps10 | ribosomal protein S10 | 0.216 | 0.000101 |
| 1437687_x_at | Fkbp9 | FK506 binding protein 9 | 0.217 | 8.36E-05 |

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| 1416076_at | Ccnb1-rs1 | cyclin B1, related sequence 1 | 0.218 | 7.18E-05 |
| 1455897_x_at | Hmgn1 | high mobility group nucleosomal binding domain 1 | 0.218 | 4.90E-06 |
| 1417346_at | Pycard | PYD and CARD domain containing | 0.219 | 0.0001842 |
| 1450435_at | L1cam | L1 cell adhesion molecule | 0.220 | 4.50E-06 |
| 1456057_x_at | Tmem109 | transmembrane protein 109 | 0.220 | 0.000104 |
| 1438961_s_at | Blmh | bleomycin hydrolase | 0.223 | 1.01E-05 |
| 1453107_s_at | Pebp1 | phosphatidylethanolamine binding protein 1 | 0.223 | 0.0005376 |
| 1424760_a_at | Smyd2 | SET and MYND domain containing 2 | 0.224 | 5.65E-05 |
| 1438434_at | Arhgap11a | Rho GTPase activating protein 11A | 0.224 | 4.85E-05 |
| 1417821_at | D17H6S56E-5 | DNA segment, Chr 17, human D6S56E 5 | 0.224 | 0.0006313 |
| 1421089_a_at | 2610028A01Rik | RIKEN cDNA 2610028A01 gene | 0.225 | 0.0005424 |
| 1438096_a_at | Dtymk | deoxythymidylate kinase | 0.225 | 1.57E-05 |
| 1417911_at | Ccna2 | cyclin A2 | 0.225 | 5.00E-05 |
| 1438507_x_at | Rpl14 | ribosomal protein L14 | 0.225 | 9.60E-06 |
| 1451823_at | Clca4 | chloride channel calcium activated 4 | 0.226 | 0.005166 |
| 1438016_at | Dkc1 | dyskeratosis congenita 1, dyskerin homolog (human) | 0.226 | 1.53E-05 |

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| 1434624_x_at | Rps9 | ribosomal protein S9 | 0.228 | 1.07E-05 |
| 1416520_x_at | Rpl36 | ribosomal protein L36 | 0.228 | 5.60E-06 |
| 1433675_at | Snord22 | small nucleolar RNA, C/D box 22 | 0.229 | 0.0001189 |
| 1423804_a_at | Idi1 | isopentenyl-diphosphate delta isomerase | 0.229 | 8.30E-05 |
| 1449243_a_at | Rps19 | ribosomal protein S19 | 0.230 | 5.60E-06 |
| 1423547_at | Lyz2 | lysozyme 2 | 0.230 | 6.71E-05 |
| 1460581_a_at | Rpl13 | ribosomal protein L13 | 0.231 | 3.64E-05 |
| 1417926_at | Ncapg2 | non-SMC condensin II complex, subunit G2 | 0.231 | 6.23E-05 |
| 1438015_at | Dkc1 | dyskeratosis congenita 1, dyskerin homolog (human) | 0.231 | 0.0001019 |
| 1415879_a_at | Rplp2 | ribosomal protein, large P2 | 0.233 | 1.50E-05 |
| 1455245_x_at | Rpl13 | ribosomal protein L13 | 0.233 | 1.90E-05 |
| 1415852_at | Impdh2 | inosine 5-phosphate dehydrogenase 2 | 0.233 | 2.80E-05 |
| 1434358_x_at | Rps21 | ribosomal protein S21 | 0.233 | 3.87E-05 |
| 1438938_x_at | Phb2 | prohibitin 2 | 0.234 | 1.57E-05 |
| 1418566_s_at | Nudcd2 | NudC domain containing 2 | 0.234 | 9.47E-05 |
| 1455001_x_at | Rpl13a | ribosomal protein L13a | 0.234 | 1.60E-05 |
| 1423431_a_at | Mybbp1a | MYB binding protein (P160) 1a | 0.235 | 8.07E-05 |
| 1459860_x_at | Trim2 | tripartite motif-containing 2 | 0.235 | 3.07E-05 |
| 1428106_at | 1300001I01Rik | RIKEN cDNA 1300001I01 gene | 0.235 | 8.99E-05 |

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| 1446368_at | 9130221J18Rik | RIKEN cDNA 9130221J18 gene | 0.236 | 0.0041866 |
| 1428670_at | 2610305J24Rik | RIKEN cDNA 2610305J24 gene | 0.236 | 9.95E-05 |
| 1449490_at | Mbd4 | methyl-CpG binding domain protein 4 | 0.236 | 0.0044678 |
| 1426713_s_at | Eprs | glutamyl-prolyl- tRNA synthetase | 0.237 | 0.0001299 |
| 1455287_at | Cdk6 | cyclin-dependent kinase 6 | 0.239 | 5.46E-05 |
| 1452713_a_at | Wdr57 | WD repeat domain 57 (U5 snRNP specific) | 0.239 | 0.0010489 |
| 1438094_x_at | Ola1 | Obg-like ATPase 1 | 0.239 | 0.0002456 |
| 1439439_x_at | Eef1d | eukaryotic translation elongation factor 1 delta (guanine nucleotide exchange protein) | 0.240 | 9.92E-05 |
| 1424854_at | Hist1h4i | histone cluster 1, H4i | 0.241 | 4.17E-05 |
| 1416184_s_at | Hmga1 | high mobility group AT-hook 1 | 0.241 | 2.36E-05 |
| 1416042_s_at | Nasp | nuclear autoantigenic sperm protein (histone-binding) | 0.241 | 6.93E-05 |
| 1435306_a_at | Kif11 | kinesin family member 11 | 0.241 | 0.0001085 |
| 1448264_a_at | Elf3i | eukaryotic translation initiation factor 3, subunit I | 0.242 | 9.40E-06 |
| 1429129_at | Lrrcc1 | leucine rich repeat and coiled- coil domain containing 1 | 0.242 | 9.41E-05 |

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|--------------|---------------|---|-------|-----------|
| 1454620_x_at | LOC100043734 | similar to ribosomal protein S6 | 0.242 | 1.89E-05 |
| 1433432_x_at | Rps12 | ribosomal protein S12 | 0.242 | 3.44E-05 |
| 1428694_at | 5033413D16Rik | RIKEN cDNA 5033413D16 gene | 0.242 | 0.0007668 |
| 1452708_a_at | Luc7l | Luc7 homolog (S. cerevisiae)-like | 0.243 | 0.0085533 |
| 1448252_a_at | Eef1b2 | eukaryotic translation elongation factor 1 beta 2 | 0.244 | 8.50E-06 |
| 1452597_at | 2310061C15Rik | RIKEN cDNA 2310061C15 gene | 0.244 | 0.0003272 |
| 1454694_a_at | Top2a | topoisomerase (DNA) II alpha | 0.244 | 3.82E-05 |
| 1422966_a_at | Tfrc | transferrin receptor | 0.244 | 0.0001292 |
| 1425815_a_at | Hmmr | hyaluronan mediated motility receptor (RHAMM) | 0.245 | 2.84E-05 |
| 1424278_a_at | Birc5 | baculoviral IAP repeat-containing 5 | 0.245 | 0.0001093 |
| 1439463_x_at | 2810416G20Rik | RIKEN cDNA 2810416G20 gene | 0.246 | 0.0014688 |
| 1454856_x_at | 100038991 | predicted gene, 100038991 | 0.246 | 1.40E-05 |
| 1431028_a_at | Pank1 | pantothenate kinase 1 | 0.247 | 6.34E-05 |
| 1433656_a_at | Gnl3 | guanine nucleotide binding protein-like 3 (nucleolar) | 0.247 | 1.64E-05 |
| 1437467_at | Alcam | activated leukocyte cell adhesion molecule | 0.247 | 0.0002074 |
| 1451052_at | Pdf | peptide deformylase (mitochondrial) | 0.248 | 4.05E-05 |

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| 1416807_at | Rpl36a | ribosomal protein L36a | 0.249 | 4.20E-05 |
| 1418334_at | Dbf4 | DBF4 homolog (S. cerevisiae) | 0.249 | 1.02E-05 |
| 1417458_s_at | Cks2 | CDC28 protein kinase regulatory subunit 2 | 0.249 | 4.62E-05 |
| 1451791_at | Tfpi | tissue factor pathway inhibitor | 0.249 | 1.02E-05 |
| AFFX-TransRecMur/X57349_3_at | Tfrc | transferrin receptor | 0.251 | 2.33E-05 |
| 1420579_s_at | Cftr | cystic fibrosis transmembrane conductance regulator homolog | 0.251 | 0.0003661 |
| 1448274_at | C1qbp | complement component 1, q subcomponent binding protein | 0.251 | 4.93E-05 |
| 1439200_x_at | Erdr1 | erythroid differentiation regulator 1 | 0.251 | 0.0003101 |
| 1449279_at | Gpx2 | glutathione peroxidase 2 | 0.251 | 0.0002126 |
| 1420570_x_at | Tcl1b3 | T-cell leukemia/lymphoma 1B, 3 | 0.251 | 0.0002544 |
| 1436808_x_at | Mcm5 | minichromosome maintenance deficient 5, cell division cycle 46 (S. cerevisiae) | 0.252 | 1.21E-05 |
| 1415771_at | Ncl | nucleolin | 0.252 | 1.21E-05 |
| 1449410_a_at | Gas5 | growth arrest specific 5 | 0.252 | 1.11E-05 |
| 1433549_x_at | Rps21 | ribosomal protein S21 | 0.253 | 3.86E-05 |

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|--------------|---------------|--|-------|-----------|
| 1435303_at | Taf4b | TAF4B RNA polymerase II, TATA box binding protein (TBP)-associated factor | 0.253 | 0.0002808 |
| 1455887_at | Alg8 | asparagine-linked glycosylation 8 homolog (yeast, alpha-1,3-glucosyltransferase) | 0.253 | 0.0007259 |
| 1416283_at | Gart | phosphoribosylglycinamide formyltransferase | 0.253 | 0.0003061 |
| 1451230_a_at | Wbp5 | WW domain binding protein 5 | 0.254 | 5.10E-05 |
| 1455572_x_at | LOC100042388 | similar to ribosomal protein S18 | 0.254 | 1.32E-05 |
| 1415897_a_at | Mgst1 | microsomal glutathione S-transferase 1 | 0.254 | 0.00256 |
| 1455384_x_at | D030056L22Rik | RIKEN cDNA D030056L22 gene | 0.255 | 0.000246 |
| 1458562_at | NA | NA | 0.255 | 0.0009129 |
| 1417511_at | Lyar | Ly1 antibody reactive clone | 0.256 | 2.31E-05 |
| 1429499_at | Fbxo5 | F-box protein 5 | 0.258 | 0.0002221 |
| 1452534_a_at | Hmgb2 | high mobility group box 2 | 0.258 | 2.28E-05 |
| 1452954_at | Ube2c | ubiquitin-conjugating enzyme E2C | 0.258 | 0.0001748 |
| 1453571_at | Depdc6 | DEP domain containing 6 | 0.258 | 1.71E-05 |
| 1423666_s_at | Rpl5 | ribosomal protein L5 | 0.259 | 4.39E-05 |
| 1438976_x_at | Mat2a | methionine adenosyltransferase II, alpha | 0.259 | 2.95E-05 |
| 1455767_x_at | Rpl21 | ribosomal protein L21 | 0.259 | 1.20E-05 |
| 1455713_x_at | Phb2 | prohibitin 2 | 0.259 | 1.55E-05 |

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| 1436506_a_at | Snhg6 | small nucleolar RNA host gene (non-protein coding) 6 | 0.260 | 3.79E-05 |
| 1457823_at | Cyr61 | cysteine rich protein 61 | 0.261 | 0.0002257 |
| 1455956_x_at | Ccnd2 | cyclin D2 | 0.261 | 0.0002277 |
| 1430288_x_at | Rps21 | ribosomal protein S21 | 0.261 | 3.07E-05 |
| 1436494_x_at | Trmt1 | TRM1 tRNA methyltransferase 1 homolog (S. cerevisiae) | 0.262 | 2.41E-05 |
| 1452406_x_at | Erdr1 | erythroid differentiation regulator 1 | 0.262 | 0.0005482 |
| 1416088_a_at | Rps15 | ribosomal protein S15 | 0.262 | 6.40E-05 |
| 1434678_at | Mbnl3 | muscleblind-like 3 (Drosophila) | 0.262 | 0.0001779 |
| 1437246_x_at | Rps6 | ribosomal protein S6 | 0.263 | 6.76E-05 |
| 1455084_x_at | Shmt2 | serine hydroxymethyltransferase 2 (mitochondrial) | 0.263 | 1.83E-05 |
| 1424618_at | Hpd | 4-hydroxyphenylpyruvic acid dioxygenase | 0.263 | 0.0037637 |
| 1426645_at | Hsp90aa1 | heat shock protein 90, alpha (cytosolic), class A member 1 | 0.263 | 4.90E-05 |
| 1416603_at | Rpl22 | ribosomal protein L22 | 0.263 | 2.72E-05 |
| 1417095_a_at | Hspa14 | heat shock protein 14 | 0.264 | 0.0017666 |
| 1452454_at | Sdad1 | SDA1 domain containing 1 | 0.264 | 0.0046554 |
| 1427683_at | Egr2 | early growth response 2 | 0.265 | 0.0024844 |

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|--------------|-------------------|--|-------|-----------|
| 1437267_x_at | Hnrnp1 | heterogeneous nuclear ribonucleoprotein H1 | 0.265 | 0.0002359 |
| 1422460_at | Mad2l1 | MAD2 (mitotic arrest deficient, homolog)-like 1 (yeast) | 0.265 | 9.72E-05 |
| 1442340_x_at | Cyr61 | cysteine rich protein 61 | 0.265 | 0.0002997 |
| 1448635_at | Smc2 | structural maintenance of chromosomes 2 | 0.265 | 1.85E-05 |
| 1448265_x_at | Mpzl2 | myelin protein zero-like 2 | 0.265 | 0.0007919 |
| 1416641_at | Lig1 | ligase I, DNA, ATP-dependent | 0.266 | 0.0002137 |
| 1448558_a_at | Pla2g4a | phospholipase A2, group IVA (cytosolic, calcium-dependent) | 0.266 | 0.0002373 |
| 1420410_at | Nr5a2 | nuclear receptor subfamily 5, group A, member 2 | 0.266 | 0.0012141 |
| 1456032_x_at | H2afz | H2A histone family, member Z | 0.267 | 6.65E-05 |
| 1417541_at | Hells | helicase, lymphoid specific | 0.267 | 4.44E-05 |
| 1423521_at | Lmnb1 | lamin B1 | 0.267 | 9.44E-05 |
| 1420497_a_at | Cebpz | CCAAT/enhancer binding protein zeta | 0.267 | 0.0024325 |
| 1443579_s_at | Depdc6 | DEP domain containing 6 | 0.267 | 0.0001262 |
| 1422440_at | Cdk4 | cyclin-dependent kinase 4 | 0.267 | 0.0029593 |
| 1436822_x_at | ENSMUSG0000066475 | predicted gene, ENSMUSG0000066475 | 0.267 | 5.27E-05 |
| 1460671_at | Gpx1 | glutathione peroxidase 1 | 0.268 | 0.0002763 |

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|--------------|---------|---|-------|-----------|
| 1416746_at | H2afx | H2A histone family, member X | 0.269 | 3.43E-05 |
| 1415773_at | Ncl | nucleolin | 0.269 | 5.59E-05 |
| 1428563_at | Ddx10 | DEAD (Asp-Glu-Ala-Asp) box polypeptide 10 | 0.269 | 0.0025188 |
| 1416142_at | Rps6 | ribosomal protein S6 | 0.269 | 3.21E-05 |
| 1433721_x_at | Rps21 | ribosomal protein S21 | 0.269 | 1.91E-05 |
| 1449323_a_at | Rpl3 | ribosomal protein L3 | 0.270 | 1.66E-05 |
| 1454636_at | Cbx5 | chromobox homolog 5 (Drosophila HP1a) | 0.270 | 4.34E-05 |
| 1436979_x_at | Rbm14 | RNA binding motif protein 14 | 0.270 | 9.93E-05 |
| 1423298_at | Add3 | adducin 3 (gamma) | 0.271 | 2.48E-05 |
| 1448484_at | Amd1 | S-adenosylmethionine decarboxylase 1 | 0.271 | 5.78E-05 |
| 1438239_at | Mid1 | midline 1 | 0.271 | 1.65E-05 |
| 1417125_at | Ahcy | S-adenosylhomocysteine hydrolase | 0.272 | 0.0002444 |
| 1435753_a_at | Nucks1 | nuclear casein kinase and cyclin-dependent kinase substrate 1 | 0.272 | 2.47E-05 |
| 1429058_at | Tmem107 | transmembrane protein 107 | 0.272 | 7.63E-05 |
| 1455892_x_at | NA | NA | 0.273 | 0.0001288 |
| 1422478_a_at | Acss2 | acyl-CoA synthetase short-chain family member 2 | 0.273 | 0.0003682 |

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|----------------|----------|---|-------|-----------|
| 1422814_at | Aspm | asp (abnormal spindle)-like, microcephaly associated (Drosophila) | 0.273 | 5.37E-05 |
| 1428546_at | Syncrip | synaptotagmin binding, cytoplasmic RNA interacting protein | 0.274 | 3.58E-05 |
| 1456531_x_at | Prpf19 | PRP19/PSO4 pre-mRNA processing factor 19 homolog (S. cerevisiae) | 0.275 | 5.10E-05 |
| 1417762_a_at | Rpl8 | ribosomal protein L8 | 0.276 | 4.68E-05 |
| AFFX-ThrX-5_at | NA | NA | 0.276 | 0.0129397 |
| 1452210_at | Dna2 | DNA replication helicase 2 homolog (yeast) | 0.276 | 9.70E-05 |
| 1423775_s_at | Prc1 | protein regulator of cytokinesis 1 | 0.276 | 0.0002442 |
| 1435122_x_at | Dnmt1 | DNA methyltransferase (cytosine-5) 1 | 0.276 | 0.0002443 |
| 1460247_a_at | Skp2 | S-phase kinase-associated protein 2 (p45) | 0.277 | 0.0008395 |
| 1448217_a_at | Rpl27 | ribosomal protein L27 | 0.277 | 2.61E-05 |
| 1456628_x_at | Rps24 | ribosomal protein S24 | 0.278 | 3.40E-05 |
| 1448178_a_at | Cct3 | chaperonin containing Tcp1, subunit 3 (gamma) | 0.278 | 2.54E-05 |
| 1434109_at | Sh3bgrl2 | SH3 domain binding glutamic acid-rich protein like 2 | 0.278 | 5.32E-05 |

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|--------------|--------------|---|-------|-----------|
| 1433543_at | Anln | anillin, actin binding protein | 0.279 | 0.0015426 |
| 1454842_a_at | B3galnt2 | UDP-GalNAc:betaGlcNAc beta 1,3-galactosaminyltransferase, polypeptide 2 | 0.279 | 0.0003609 |
| 1453362_x_at | Rps24 | ribosomal protein S24 | 0.279 | 0.0001061 |
| 1420028_s_at | Mcm3 | minichromosome maintenance deficient 3 (S. cerevisiae) | 0.279 | 0.0001903 |
| 1456373_x_at | Rps20 | ribosomal protein S20 | 0.279 | 4.24E-05 |
| 1419736_a_at | Eif1ay | eukaryotic translation initiation factor 1A, Y-linked | 0.280 | 2.79E-05 |
| 1439270_x_at | LOC100045999 | similar to RAN, member RAS oncogene family | 0.280 | 3.08E-05 |
| 1422844_a_at | Wdr77 | WD repeat domain 77 | 0.280 | 0.0001626 |
| 1437424_at | Syde2 | synapse defective 1, Rho GTPase, homolog 2 (C. elegans) | 0.281 | 0.0002337 |
| 1419291_x_at | Gas5 | growth arrest specific 5 | 0.281 | 2.22E-05 |
| 1428672_at | Snrpf | small nuclear ribonucleoprotein polypeptide F | 0.281 | 0.0006119 |
| 1429171_a_at | Ncapg | on-SMC condensin I complex, subunit G | 0.281 | 0.0002236 |
| 1416664_at | Cdc20 | cell division cycle 20 homolog (S. cerevisiae) | 0.282 | 0.000196 |
| 1451122_at | Idi1 | isopentenyl-diphosphate delta isomerase | 0.282 | 0.0001454 |

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| 1433569_x_at | LOC100045999 | similar to RAN, member RAS oncogene family | 0.282 | 2.24E-05 |
| 1424048_a_at | Cyb5r1 | cytochrome b5 reductase 1 | 0.283 | 0.000217 |
| 1436363_a_at | Nfix | nuclear factor I/X | 0.283 | 4.80E-05 |
| 1416721_s_at | Sfrs6 | splicing factor, arginine/serine-rich 6 | 0.283 | 6.71E-05 |
| 1438168_x_at | Ddx39 | DEAD (Asp-Glu-Ala-Asp) box polypeptide 39 | 0.284 | 2.69E-05 |
| 1435103_x_at | Farsb | phenylalanyl-tRNA synthetase, beta subunit | 0.284 | 0.0001108 |
| 1438320_s_at | Mcm7 | minichromosome maintenance deficient 7 (S. cerevisiae) | 0.284 | 2.60E-05 |
| AFFX-r2-Bs-thr-5_s_at | NA | NA | 0.284 | 0.0119733 |
| 1438784_at | Bcl11b | B-cell leukemia/lymphoma 11B | 0.284 | 0.0028027 |
| 1424883_s_at | Sfrs7 | splicing factor, arginine/serine-rich 7 | 0.285 | 4.43E-05 |
| 1456227_x_at | Rbbp7 | retinoblastoma binding protein 7 | 0.285 | 4.60E-05 |
| 1423416_at | Smarcc1 | SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1 | 0.286 | 0.0002565 |

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| 1417364_at | Eef1g | eukaryotic translation elongation factor 1 gamma | 0.286 | 7.29E-05 |
| 1456436_x_at | Rps20 | ribosomal protein S20 | 0.286 | 5.00E-05 |
| 1423847_at | Ncapd2 | non-SMC condensin I complex, subunit D2 | 0.286 | 0.0001523 |
| 1438649_x_at | Pebp1 | phosphatidylethanolamine binding protein 1 | 0.287 | 9.78E-05 |
| 1448921_a_at | Mrps9 | mitochondrial ribosomal protein S9 | 0.287 | 2.50E-05 |
| 1435227_at | Bcl11b | B-cell leukemia/lymphoma 11B | 0.288 | 0.0004817 |
| 1420592_a_at | Anp32e | acidic (leucine-rich) nuclear phosphoprotein 32 family, member E | 0.288 | 4.32E-05 |
| 1423566_a_at | Hsph1 | heat shock 105kDa/110kDa protein 1 | 0.288 | 0.0007498 |
| 1456521_at | NA | NA | 0.288 | 0.0002946 |
| 1448229_s_at | Ccnd2 | cyclin D2 | 0.288 | 0.0017105 |
| 1436040_at | LOC100039864 | hypothetical protein LOC100039864 | 0.288 | 8.77E-05 |
| 1416167_at | Prdx4 | peroxiredoxin 4 | 0.289 | 0.0023634 |
| 1435712_a_at | LOC100042388 | similar to ribosomal protein S18 | 0.289 | 2.42E-05 |
| 1454837_at | Cln6 | ceroid-lipofuscinosis, neuronal 6 | 0.289 | 0.0006682 |
| 1427797_s_at | NA | NA | 0.290 | 0.0003523 |
| 1433519_at | Nucks1 | nuclear casein kinase and cyclin-dependent kinase substrate 1 | 0.290 | 6.37E-05 |

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| 1454992_at | Slc7a1 | solute carrier family 7 (cationic amino acid transporter, y+ system), member 1 | 0.290 | 4.02E-05 |
| 1441466_at | Sfrs10 | splicing factor, arginine/serine-rich 10 (transformer 2 homolog, Drosophila) | 0.290 | 0.001349 |
| 1433933_s_at | Slco2b1 | solute carrier organic anion transporter family, member 2b1 | 0.290 | 0.0022836 |
| 1419741_at | Supt16h | suppressor of Ty 16 homolog (S. cerevisiae) | 0.291 | 5.26E-05 |
| 1455570_x_at | Cnn3 | calponin 3, acidic | 0.292 | 7.04E-05 |
| 1438794_x_at | Rps13 | ribosomal protein S13 | 0.293 | 3.16E-05 |
| 1456865_x_at | Rrs1 | RRS1 ribosome biogenesis regulator homolog (S. cerevisiae) | 0.293 | 7.15E-05 |
| 1426793_a_at | Rpl14 | ribosomal protein L14 | 0.293 | 0.0001393 |
| 1415822_at | Scd2 | stearoyl-Coenzyme A desaturase 2 | 0.293 | 0.0002551 |
| 1449196_a_at | Rps27a | ribosomal protein S27a | 0.294 | 2.79E-05 |
| 1455814_x_at | Ddx39 | DEAD (Asp-Glu-Ala-Asp) box polypeptide 39 | 0.294 | 2.64E-05 |
| 1437008_x_at | Tmem109 | transmembrane protein 109 | 0.294 | 7.46E-05 |
| 1416135_at | Apex1 | apurinic/apyrimidinic endonuclease 1 | 0.294 | 3.16E-05 |

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| 1458685_at | Garnl1 | GTPase activating RANGAP domain-like 1 | 0.294 | 0.0169986 |
| 1432416_a_at | Npm1 | nucleophosmin 1 | 0.294 | 9.97E-05 |
| 1416519_at | Rpl36 | ribosomal protein L36 | 0.294 | 2.83E-05 |
| 1455966_s_at | Nudt21 | nudix (nucleoside diphosphate linked moiety X)-type motif 21 | 0.294 | 0.0004472 |
| 1418152_at | Nsbp1 | nucleosome binding protein 1 | 0.295 | 5.62E-05 |
| 1449116_a_at | Dtymk | deoxythymidylate kinase | 0.295 | 0.0002535 |
| 1453118_s_at | Rpl22 | ribosomal protein L22 | 0.295 | 4.33E-05 |
| 1438630_x_at | Mat2a | methionine adenosyltransferase II, alpha | 0.295 | 7.15E-05 |
| 1446339_at | NA | NA | 0.295 | 0.0022211 |
| 1430271_x_at | Josd3 | Josephin domain containing 3 | 0.295 | 0.0001122 |
| 1452172_at | Fastkd2 | FAST kinase domains 2 | 0.296 | 0.0011877 |
| 1422557_s_at | Mt1 | metallothionein 1 | 0.296 | 0.0001911 |
| 1425048_a_at | Hmgb1 | high mobility group box 1 | 0.296 | 5.86E-05 |
| 1417065_at | Egr1 | early growth response 1 | 0.297 | 3.32E-05 |
| 1424300_at | Gemin6 | gem (nuclear organelle) associated protein 6 | 0.297 | 0.0003888 |
| 1437454_a_at | Txndc14 | thioredoxin domain containing 14 | 0.297 | 0.0001799 |
| 1451169_at | Nomo1 | nodal modulator 1 | 0.297 | 0.0128819 |
| 1416363_at | LOC100048743 | similar to FK506 binding protein 4 | 0.297 | 0.0005575 |
| 1450920_at | Ccnb2 | cyclin B2 | 0.298 | 0.0002415 |

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|--------------|-------------------|---|-------|-----------|
| 1426946_at | lpo5 | importin 5 | 0.298 | 4.86E-05 |
| 1454834_at | Nfib | nuclear factor I/B | 0.298 | 0.0004656 |
| 1451649_a_at | Wdr75 | WD repeat domain 75 | 0.298 | 0.0018159 |
| 1434367_s_at | ENSMUSG0000071497 | predicted gene, ENSMUSG0000071497 | 0.298 | 6.88E-05 |
| 1433575_at | Sox4 | SRY-box containing gene 4 | 0.298 | 0.0001982 |
| 1438977_x_at | Ran | RAN, member RAS oncogene family | 0.299 | 2.80E-05 |
| 1416141_a_at | Rps6 | ribosomal protein S6 | 0.299 | 6.12E-05 |
| 1446928_at | Dnajc17 | DnaJ (Hsp40) homolog, subfamily C, member 17 | 0.299 | 0.0010454 |
| 1427997_at | 1110007M04 Rik | RIKEN cDNA 1110007M04 gene | 0.300 | 9.89E-05 |
| 1415916_a_at | Mthfd1 | methylenetetrahydrofolate dehydrogenase (NADP+ dependent), methenyltetrahydrofolate cyclohydrolase, formyltetrahydrofolate synthase | 0.300 | 4.59E-05 |
| 1416345_at | Timm8a1 | translocase of inner mitochondrial membrane 8 homolog a1 (yeast) | 0.300 | 0.0006328 |
| 1417985_at | Nrarp | Notch-regulated ankyrin repeat protein | 0.300 | 0.0007876 |
| 1456497_x_at | Rps10 | ribosomal protein S10 | 0.300 | 4.25E-05 |

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|--------------|-------------------|--|-------|-----------|
| 1416014_at | Abce1 | ATP-binding cassette, sub-family E (OABP), member 1 | 0.300 | 0.0004762 |
| 1427174_at | OTTMUSG0000016321 | predicted gene, OTTMUSG0000016321 | 0.300 | 0.0015334 |
| 1442109_at | NA | NA | 0.300 | 0.0044736 |
| 1438655_a_at | Rpl34 | ribosomal protein L34 | 0.300 | 5.23E-05 |
| 1450986_at | Nol5 | nucleolar protein 5 | 0.301 | 0.0007535 |
| 1436034_at | Cep68 | centrosomal protein 68 | 0.301 | 0.0003151 |
| 1438986_x_at | Rps17 | ribosomal protein S17 | 0.301 | 7.36E-05 |
| 1416365_at | Hsp90ab1 | heat shock protein 90kDa alpha (cytosolic), class B member 1 | 0.302 | 0.0004048 |
| 1434854_a_at | Rps10 | ribosomal protein S10 | 0.302 | 3.41E-05 |
| 1417460_at | Ifitm2 | interferon induced transmembrane protein 2 | 0.302 | 0.0001814 |
| 1438250_s_at | OTTMUSG0000006515 | predicted gene, OTTMUSG0000006515 | 0.302 | 8.26E-05 |
| 1415889_a_at | Hsp90b1 | heat shock protein 90, beta (Grp94), member 1 | 0.302 | 4.81E-05 |
| 1451294_s_at | Snrpe | small nuclear ribonucleoprotein E | 0.303 | 3.42E-05 |
| 1439421_x_at | Cbx3 | chromobox homolog 3 (Drosophila HP1 gamma) | 0.303 | 0.0010728 |
| 1436064_x_at | Rps24 | ribosomal protein S24 | 0.303 | 0.0002419 |
| 1433444_at | LOC100040592 | similar to Hmgcs1 protein | 0.303 | 0.0002085 |
| 1453096_x_at | Rpl27 | ribosomal protein L27 | 0.304 | 0.0001051 |

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|--------------|-------------------|--|-------|-----------|
| 1455908_a_at | Scpep1 | serine carboxypeptidase 1 | 0.304 | 0.000259 |
| 1437033_a_at | Skp2 | S-phase kinase- associated protein 2 (p45) | 0.305 | 0.0027164 |
| 1434377_x_at | Rps6 | ribosomal protein S6 | 0.305 | 0.0001022 |
| 1422495_a_at | Hmgn1 | high mobility group nucleosomal binding domain 1 | 0.306 | 3.66E-05 |
| 1440584_at | 9130221L21R ik | RIKEN cDNA 9130221L21 gene | 0.306 | 0.0071695 |
| 1451065_a_at | Ddx39 | DEAD (Asp-Glu- Ala-Asp) box polypeptide 39 | 0.307 | 8.05E-05 |
| 1455168_a_at | Gnb2l1 | guanine nucleotide binding protein (G protein), beta polypeptide 2 like 1 | 0.307 | 7.18E-05 |
| 1438009_at | Hist1h2ae | histone cluster 1, H2ae | 0.307 | 0.0001054 |
| 1448441_at | Cks1b | CDC28 protein kinase 1b | 0.307 | 0.0006006 |
| 1437510_x_at | Rps17 | ribosomal protein S17 | 0.307 | 5.97E-05 |
| 1418982_at | Cebpa | CCAAT/enhancer binding protein (C/EBP), alpha | 0.307 | 0.0001981 |
| 1439268_x_at | Eif3e | eukaryotic translation initiation factor 3, subunit E | 0.307 | 0.0001054 |
| 1428390_at | Wdr43 | WD repeat domain 43 | 0.307 | 0.0019226 |
| 1455662_x_at | Rps17 | ribosomal protein S17 | 0.307 | 7.43E-05 |

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|--------------|-------------------|---|-------|-----------|
| 1422801_at | G3bp1 | Ras-GTPase-activating protein SH3-domain binding protein 1 | 0.308 | 0.0001021 |
| 1427202_at | 4833442J19Rik | RIKEN cDNA 4833442J19 gene | 0.308 | 0.0002312 |
| 1423455_at | ENSMUSG0000068659 | predicted gene, ENSMUSG0000068659 | 0.308 | 0.00063 |
| 1428506_at | Atic | 5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase /IMP cyclohydrolase | 0.308 | 0.0006281 |
| 1455693_x_at | LOC100043734 | similar to ribosomal protein S6 | 0.308 | 0.0001862 |
| 1455496_at | Pfas | phosphoribosylformylglycinamide synthase (FGAR amidotransferase) | 0.309 | 0.0002997 |
| 1427439_s_at | Prmt5 | protein arginine N-methyltransferase 5 | 0.309 | 5.96E-05 |
| 1434120_a_at | Metap2 | methionine aminopeptidase 2 | 0.309 | 0.0001288 |
| 1436549_a_at | Hnrnpa1 | heterogeneous nuclear ribonucleoprotein A1 | 0.309 | 6.34E-05 |
| 1435816_at | Rps6 | ribosomal protein S6 | 0.310 | 0.0003372 |
| 1454859_a_at | Rpl23 | ribosomal protein L23 | 0.310 | 0.0001496 |
| 1451920_a_at | Rfc1 | replication factor C (activator 1) 1 | 0.311 | 0.0079443 |
| 1436699_x_at | LOC100048449 | similar to ribosomal protein L18 | 0.311 | 4.58E-05 |

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|--------------|-------------------|---|-------|-----------|
| 1419510_at | Es22 | esterase 22 | 0.311 | 0.0014675 |
| 1438776_x_at | 100040123 | predicted gene, 100040123 | 0.311 | 7.16E-05 |
| 1457915_at | 4833442J19Ri k | RIKEN cDNA 4833442J19 gene | 0.311 | 0.0005482 |
| 1417082_at | Anp32b | acidic (leucine- rich) nuclear phosphoprotein 32 family, member B | 0.311 | 0.0001207 |
| 1427169_at | Pard3b | par-3 partitioning defective 3 homolog B (C. elegans) | 0.312 | 0.0112424 |
| 1426609_at | Dis3 | DIS3 mitotic control homolog (S. cerevisiae) | 0.312 | 0.0003173 |
| 1447166_at | NA | NA | 0.314 | 0.0061477 |
| 1416661_at | Eif3a | eukaryotic translation initiation factor 3, subunit A | 0.314 | 0.018949 |
| 1425557_x_at | Tsc22d3 | TSC22 domain family, member 3 | 0.314 | 0.0004308 |
| 1447853_x_at | Kif13a | kinesin family member 13A | 0.314 | 0.003441 |
| 1427094_at | Pole2 | polymerase (DNA directed), epsilon 2 (p59 subunit) | 0.315 | 0.0023066 |
| 1416452_at | Oat | ornithine aminotransferase | 0.315 | 0.0012591 |
| 1435593_x_at | Rps7 | ribosomal protein S7 | 0.315 | 6.61E-05 |
| 1447864_s_at | Pogk | pogo transposable element with KRAB domain | 0.315 | 0.0016296 |
| 1439266_a_at | Polr3k | polymerase (RNA) III (DNA directed) polypeptide K | 0.315 | 0.0002058 |

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| 1438631_x_at | Ttc13 | tetratricopeptide repeat domain 13 | 0.316 | 0.0001489 |
| 1427369_at | Nlrp6 | NLR family, pyrin domain containing 6 | 0.316 | 0.0007834 |
| 1416605_at | Nola2 | nucleolar protein family A, member 2 | 0.316 | 5.50E-05 |
| 1455855_x_at | Agxt2l2 | alanine-glyoxylate aminotransferase 2-like 2 | 0.316 | 7.07E-05 |
| 1428823_at | Hddc2 | HD domain containing 2 | 0.316 | 0.0009392 |
| 1436640_x_at | Agpat4 | 1-acylglycerol-3-phosphate O-acyltransferase 4 (lysophosphatidic acid acyltransferase, delta) | 0.317 | 0.0005182 |
| 1418656_at | Lsm5 | LSM5 homolog, U6 small nuclear RNA associated (<i>S. cerevisiae</i>) | 0.317 | 6.63E-05 |
| 1453053_at | 2610036L11Rik | RIKEN cDNA 2610036L11 gene | 0.317 | 0.0004753 |
| 1424244_at | Rwdd4a | RWD domain containing 4A | 0.317 | 0.0004341 |
| 1418222_at | 2610024G14Rik | RIKEN cDNA 2610024G14 gene | 0.317 | 0.0016246 |
| AFFX-r2-Bs-thr-M_s_at | NA | NA | 0.317 | 0.0153297 |
| 1426612_at | Tipin | timeless interacting protein | 0.318 | 0.0005452 |
| 1430574_at | Cdkn3 | cyclin-dependent kinase inhibitor 3 | 0.318 | 4.63E-05 |
| 1416118_at | Trim59 | tripartite motif-containing 59 | 0.319 | 0.0008789 |
| 1454627_a_at | ENSMUSG0000074516 | predicted gene, ENSMUSG0000074516 | 0.319 | 5.36E-05 |

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|--------------|-------------------|--|-------|-----------|
| 1428530_x_at | Rps24 | ribosomal protein S24 | 0.319 | 6.27E-05 |
| 1416026_a_at | Rpl12 | ribosomal protein L12 | 0.320 | 5.02E-05 |
| 1436194_at | Prelid2 | PRELI domain containing 2 | 0.320 | 0.0001201 |
| 1434578_x_at | LOC100045999 | similar to RAN, member RAS oncogene family | 0.320 | 6.43E-05 |
| 1444709_at | Invs | inversin | 0.320 | 0.0108927 |
| 1438291_x_at | OTTMUSG0000009529 | predicted gene, OTTMUSG0000009529 | 0.321 | 7.27E-05 |
| 1431765_a_at | Rps2 | ribosomal protein S2 | 0.321 | 0.0001374 |
| 1456194_a_at | Park7 | Parkinson disease (autosomal recessive, early onset) 7 | 0.321 | 7.90E-05 |
| 1434523_x_at | Eif3e | eukaryotic translation initiation factor 3, subunit E | 0.321 | 0.0001455 |
| 1449001_at | Ivd | isovaleryl coenzyme A dehydrogenase | 0.321 | 0.0005808 |
| 1453001_at | Rnaseh2b | ribonuclease H2, subunit B | 0.321 | 0.0021864 |
| 1451101_a_at | Rps28 | ribosomal protein S28 | 0.321 | 7.74E-05 |
| 1454778_x_at | Rps28 | ribosomal protein S28 | 0.322 | 6.88E-05 |
| 1428410_at | Nat13 | N-acetyltransferase 13 | 0.323 | 0.001973 |
| 1452681_at | Dtymk | deoxythymidylate kinase | 0.323 | 0.0007233 |
| 1459986_a_at | Rps17 | ribosomal protein S17 | 0.323 | 8.01E-05 |
| 1437729_at | Rpl27a | ribosomal protein L27a | 0.324 | 0.0001487 |
| 1419397_at | Pola1 | polymerase (DNA directed), alpha 1 | 0.324 | 0.0009687 |

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|--------------|--------|--|-------|-----------|
| 1417317_s_at | Rpl35a | ribosomal protein L35a | 0.324 | 7.45E-05 |
| 1419270_a_at | Dut | deoxyuridine triphosphatase | 0.324 | 6.85E-05 |
| 1427682_a_at | Egr2 | early growth response 2 | 0.325 | 0.0324823 |
| 1416925_at | Kpnb1 | karyopherin (importin) beta 1 | 0.325 | 0.0006221 |
| 1416309_at | Nusap1 | nucleolar and spindle associated protein 1 | 0.325 | 0.0005567 |
| 1416998_at | Rrs1 | RRS1 ribosome biogenesis regulator homolog (S. cerevisiae) | 0.326 | 0.0002347 |
| 1457730_at | Fancm | Fanconi anemia, complementation group M | 0.326 | 0.0027717 |
| 1434942_at | Esf1 | ESF1, nucleolar pre-rRNA processing protein, homolog (S. cerevisiae) | 0.326 | 0.0014101 |
| 1435817_x_at | Rps6 | ribosomal protein S6 | 0.326 | 9.21E-05 |
| 1427539_a_at | Zwint | ZW10 interactor | 0.327 | 0.0003248 |
| 1416074_a_at | Rpl28 | ribosomal protein L28 | 0.327 | 9.71E-05 |
| 1422859_a_at | Rpl23 | ribosomal protein L23 | 0.327 | 0.0003692 |
| 1422441_x_at | Cdk4 | cyclin-dependent kinase 4 | 0.328 | 9.90E-05 |
| 1438244_at | Nfib | nuclear factor I/B | 0.328 | 0.0012953 |
| 1435873_a_at | Rpl13a | ribosomal protein L13a | 0.328 | 0.0006192 |
| 1423060_at | Pa2g4 | proliferation-associated 2G4 | 0.328 | 0.0007412 |
| 1417097_at | Mecr | mitochondrial trans-2-enoyl-CoA reductase | 0.328 | 0.0022271 |

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|--------------|-----------|--|-------|-----------|
| 1420365_a_at | Hnrnpa2b1 | heterogeneous nuclear ribonucleoprotein A2/B1 | 0.328 | 6.64E-05 |
| 1436708_x_at | Mcm4 | minichromosome maintenance deficient 4 homolog (S. cerevisiae) | 0.329 | 0.0004951 |
| 1415761_at | Mrpl52 | mitochondrial ribosomal protein L52 | 0.329 | 0.0001585 |
| 1438095_x_at | Noc4l | nucleolar complex associated 4 homolog (S. cerevisiae) | 0.329 | 0.0003922 |
| 1452787_a_at | Prmt1 | protein arginine N-methyltransferase 1 | 0.329 | 0.0001032 |
| 1455790_at | E2f2 | E2F transcription factor 2 | 0.329 | 6.01E-05 |
| 1419700_a_at | Prom1 | prominin 1 | 0.329 | 0.0001564 |
| 1437976_x_at | Rpl23a | ribosomal protein L23a | 0.329 | 5.60E-05 |
| 1434158_at | Gmcs | GDP-mannose 4, 6-dehydratase | 0.329 | 0.0017356 |
| 1424001_at | Mki67ip | Mki67 (FHA domain) interacting nucleolar phosphoprotein | 0.329 | 0.0005481 |
| 1419364_a_at | Rps7 | ribosomal protein S7 | 0.330 | 5.88E-05 |
| 1423233_at | Cebpd | CCAAT/enhancer binding protein (C/EBP), delta | 0.330 | 0.0001427 |
| 1437993_x_at | Qdpr | quinoid dihydropteridine reductase | 0.330 | 0.000263 |
| 1428412_at | Tm9sf3 | transmembrane 9 superfamily member 3 | 0.330 | 7.57E-05 |

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|--------------|----------|--|-------|-----------|
| 1437497_a_at | Hsp90aa1 | heat shock protein 90, alpha (cytosolic), class A member 1 | 0.330 | 0.0021603 |
| 1418565_at | Serbp1 | Serpine1 mRNA binding protein 1 | 0.330 | 0.0004683 |
| 1442178_at | NA | NA | 0.330 | 0.0023229 |
| 1439553_s_at | Nutf2 | nuclear transport factor 2 | 0.330 | 6.82E-05 |
| 1418543_s_at | Ccdc43 | coiled-coil domain containing 43 | 0.331 | 0.0009164 |
| 1423709_s_at | Farsb | phenylalanyl-tRNA synthetase, beta subunit | 0.331 | 0.0004905 |
| 1428798_s_at | Setd6 | SET domain containing 6 | 0.331 | 0.0093164 |
| 1447905_x_at | Nup62 | nucleoporin 62 | 0.332 | 0.0001079 |
| 1416150_a_at | Sfrs3 | splicing factor, arginine/serine-rich 3 (SRp20) | 0.333 | 6.39E-05 |
| 1423667_at | Mat2a | methionine adenosyltransferase II, alpha | 0.333 | 0.0002685 |
| 1418255_s_at | Srf | serum response factor | 0.333 | 0.0006855 |
| 1448820_a_at | Eif2s2 | eukaryotic translation initiation factor 2, subunit 2 (beta) | 0.333 | 0.001479 |
| 1417470_at | Apobec3 | apolipoprotein B editing complex 3 | 0.333 | 0.000256 |
| 1435630_s_at | Acat2 | acetyl-Coenzyme A acetyltransferase 2 | 0.334 | 0.0001695 |
| 1455485_x_at | Rpl13a | ribosomal protein L13a | 0.334 | 0.0003674 |

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|--------------|-------------------|---|-------|-----------|
| 1435733_x_at | Rnaseh2c | ribonuclease H2, subunit C | 0.334 | 0.0006647 |
| 1434437_x_at | Rrm2 | ribonucleotide reductase M2 | 0.335 | 0.000588 |
| 1451980_at | Casd1 | CAS1 domain containing 1 | 0.335 | 0.0004126 |
| 1450048_a_at | ldh2 | isocitrate dehydrogenase 2 (NADP+), mitochondrial | 0.335 | 0.0002125 |
| 1456566_x_at | Rbm14 | RNA binding motif protein 14 | 0.335 | 0.0001653 |
| 1438723_a_at | Rps10 | ribosomal protein S10 | 0.336 | 7.19E-05 |
| 1445684_s_at | Hdac2 | histone deacetylase 2 | 0.336 | 9.57E-05 |
| 1427803_at | NA | NA | 0.336 | 0.0065791 |
| 1425183_a_at | Rpl4 | ribosomal protein L4 | 0.337 | 7.53E-05 |
| 1459978_x_at | Ccnjl | cyclin J-like | 0.337 | 0.0005626 |
| 1452669_at | 2810012G03 Rik | RIKEN cDNA 2810012G03 gene | 0.337 | 0.0013176 |
| 1457257_x_at | NA | NA | 0.338 | 0.0008899 |
| 1431177_a_at | OTTMUSG0000022086 | predicted gene, OTTMUSG0000022086 | 0.338 | 8.55E-05 |
| 1437131_x_at | Mrpl11 | mitochondrial ribosomal protein L11 | 0.338 | 0.0015735 |
| 1422475_a_at | Rps3a | ribosomal protein S3a | 0.338 | 8.08E-05 |
| 1415878_at | Rrm1 | ribonucleotide reductase M1 | 0.339 | 8.57E-05 |
| 1452917_at | Rfc5 | replication factor C (activator 1) 5 | 0.339 | 0.0007954 |
| 1441547_at | NA | NA | 0.339 | 0.0033075 |
| 1426897_at | Rcc2 | regulator of chromosome condensation 2 | 0.339 | 0.000711 |
| 1418503_at | Hspa9 | heat shock protein 9 | 0.340 | 0.0003265 |

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|--------------|---------------|--|-------|-----------|
| 1450100_a_at | Tcerg1 | transcription elongation regulator 1 (CA150) | 0.340 | 0.0026054 |
| 1418901_at | Cebpb | CCAAT/enhancer binding protein (C/EBP), beta | 0.340 | 0.0001771 |
| 1456102_a_at | Cul5 | cullin 5 | 0.340 | 0.0051809 |
| 1430183_at | 4833414E09Rik | RIKEN cDNA 4833414E09 gene | 0.341 | 0.0035967 |
| 1460354_a_at | Mrpl13 | mitochondrial ribosomal protein L13 | 0.341 | 0.0001616 |
| 1426854_a_at | LOC100047898 | similar to protein phosphatase 2A inhibitor-2 I-2PP2A | 0.341 | 0.0001381 |
| 1435966_x_at | Mrpl13 | mitochondrial ribosomal protein L13 | 0.341 | 0.0002195 |
| 1419441_at | Rplp0 | ribosomal protein, large, P0 | 0.341 | 0.0002201 |
| 1451532_s_at | Steap1 | six transmembrane epithelial antigen of the prostate 1 | 0.341 | 0.0006778 |
| 1434700_at | 6030408C04Rik | RIKEN cDNA 6030408C04 gene | 0.341 | 0.0026828 |
| 1460201_a_at | Rpl24 | ribosomal protein L24 | 0.341 | 9.85E-05 |
| 1416757_at | Zwilch | Zwilch, kinetochore associated, homolog (Drosophila) | 0.342 | 0.0023112 |
| 1443843_x_at | NA | NA | 0.342 | 0.0003629 |
| 1459987_s_at | Cct3 | chaperonin containing Tcp1, subunit 3 (gamma) | 0.342 | 0.0008949 |
| 1435151_a_at | Rps3 | ribosomal protein S3 | 0.342 | 0.0001194 |
| 1448358_s_at | Snrpg | small nuclear ribonucleoprotein polypeptide G | 0.342 | 0.0001086 |

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|--------------|--------|--|-------|-----------|
| 1452680_at | Snrpd2 | small nuclear ribonucleoprotein D2 | 0.342 | 7.04E-05 |
| 1424436_at | Gart | phosphoribosylglycinamide formyltransferase | 0.342 | 0.0009094 |
| 1456960_at | NA | NA | 0.343 | 0.0075049 |
| 1438505_s_at | Rnasen | ribonuclease III, nuclear | 0.343 | 0.0005386 |
| 1416151_at | Sfrs3 | splicing factor, arginine/serine-rich 3 (SRp20) | 0.343 | 0.0006827 |
| 1448739_x_at | Rps18 | ribosomal protein S18 | 0.344 | 8.05E-05 |
| 1435046_at | NA | NA | 0.344 | 0.0016068 |
| 1454904_at | Mtm1 | X-linked myotubular myopathy gene 1 | 0.344 | 0.000303 |
| 1418034_at | Mrps9 | mitochondrial ribosomal protein S9 | 0.344 | 0.000517 |
| 1439269_x_at | Mcm7 | minichromosome maintenance deficient 7 (S. cerevisiae) | 0.344 | 0.0009363 |
| 1451144_at | Bxdc2 | brix domain containing 2 | 0.344 | 0.0002979 |
| 1436856_x_at | Tars2 | threonyl-tRNA synthetase 2, mitochondrial (putative) | 0.344 | 8.97E-05 |
| 1416106_at | Kti12 | KTI12 homolog, chromatin associated (S. cerevisiae) | 0.344 | 0.0001286 |
| 1416243_a_at | Rpl35 | ribosomal protein L35 | 0.344 | 8.46E-05 |
| 1428869_at | Nolc1 | nucleolar and coiled-body phosphoprotein 1 | 0.344 | 0.0001747 |
| 1435372_a_at | Pa2g4 | proliferation-associated 2G4 | 0.345 | 0.0002386 |
| 1427464_s_at | Hspa5 | heat shock protein 5 | 0.345 | 0.0002561 |

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|--------------|-------------------|---|-------|-----------|
| 1426661_at | Rpl27a | ribosomal protein L27a | 0.346 | 7.51E-05 |
| 1447585_s_at | Slc5a3 | solute carrier family 5 (inositol transporters), member 3 | 0.346 | 8.92E-05 |
| 1437085_at | D630039A03 Rik | RIKEN cDNA D630039A03 gene | 0.346 | 0.0008181 |
| 1444051_at | 1700019D03R ik | RIKEN cDNA 1700019D03 gene | 0.346 | 0.0017966 |
| 1435875_at | Prkab2 | protein kinase, AMP-activated, beta 2 non-catalytic subunit | 0.346 | 0.0016666 |
| 1448526_at | Kpnb1 | karyopherin (importin) beta 1 | 0.347 | 0.0001529 |
| 1447896_s_at | NA | NA | 0.347 | 0.0004175 |
| 1423756_s_at | Igfbp4 | insulin-like growth factor binding protein 4 | 0.347 | 0.0009811 |
| 1456735_x_at | Acpl2 | acid phosphatase-like 2 | 0.347 | 0.0018074 |
| 1416336_s_at | Snrpd1 | small nuclear ribonucleoprotein D1 | 0.348 | 0.0001199 |
| 1415839_a_at | Npm1 | nucleophosmin 1 | 0.348 | 0.000138 |
| 1429491_s_at | Rif1 | Rap1 interacting factor 1 homolog (yeast) | 0.348 | 0.0006527 |
| 1428099_a_at | Sfrs1 | splicing factor, arginine/serine-rich 1 (ASF/SF2) | 0.348 | 0.0001972 |
| 1460008_x_at | Rpl31 | ribosomal protein L31 | 0.349 | 0.0001512 |
| 1416701_at | Rnd3 | Rho family GTPase 3 | 0.350 | 0.0006542 |

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|----------------|----------|---|-------|-----------|
| 1433789_at | Snhg3 | small nucleolar RNA host gene (non-protein coding) 3 | 0.350 | 0.0001788 |
| AFFX-PheX-5_at | NA | NA | 0.350 | 0.0228223 |
| 1434279_at | NA | NA | 0.350 | 0.0006821 |
| 1423271_at | Gjb2 | gap junction protein, beta 2 | 0.350 | 0.0033497 |
| 1436995_a_at | Rpl26 | ribosomal protein L26 | 0.350 | 0.0002724 |
| 1423763_x_at | Rps28 | ribosomal protein S28 | 0.351 | 0.0001358 |
| 1453257_at | Agpat5 | 1-acylglycerol-3-phosphate O-acyltransferase 5 (lysophosphatidic acid acyltransferase, epsilon) | 0.351 | 0.0011973 |
| 1437196_x_at | Rps16 | ribosomal protein S16 | 0.351 | 0.0004173 |
| 1417351_a_at | Snrpa1 | small nuclear ribonucleoprotein polypeptide A@#\$%& | 0.351 | 0.0002762 |
| 1437336_x_at | Prickle4 | prickle homolog 4 (Drosophila) | 0.352 | 0.0005076 |
| 1451077_at | Rpl5 | ribosomal protein L5 | 0.352 | 0.0003052 |
| 1434543_a_at | BolA2 | bolA-like 2 (E. coli) | 0.352 | 0.0001708 |
| 1426660_x_at | Rpl23a | ribosomal protein L23a | 0.352 | 9.06E-05 |
| AFFX-ThrX-M_at | NA | NA | 0.352 | 0.0196862 |
| 1433640_at | Fubp1 | far upstream element (FUSE) binding protein 1 | 0.352 | 0.0027067 |
| 1420525_a_at | Otc | ornithine transcarbamylase | 0.353 | 0.0015098 |

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|---------------------|-------------------|--|-------|-----------|
| 1436871_at | Sfrs7 | splicing factor, arginine/serine-rich 7 | 0.353 | 0.0006454 |
| 1435586_at | Pcid2 | PCI domain containing 2 | 0.353 | 0.0041646 |
| 1452877_at | 2700029M09 Rik | RIKEN cDNA 2700029M09 gene | 0.353 | 0.0002058 |
| 1421546_a_at | Racgap1 | Rac GTPase-activating protein 1 | 0.353 | 0.0007429 |
| 1460680_a_at | Rpl23 | ribosomal protein L23 | 0.353 | 8.83E-05 |
| 1449184_at | Pglyrp1 | peptidoglycan recognition protein 1 | 0.354 | 0.0235292 |
| AFFX-r2-Bs-phe-M_at | NA | NA | 0.354 | 0.0181209 |
| 1435735_x_at | H47 | histocompatibility 47 | 0.354 | 0.0001405 |
| 1430293_a_at | Fdx1l | ferredoxin 1-like | 0.354 | 0.0023574 |
| 1416546_a_at | Rpl6 | ribosomal protein L6 | 0.354 | 9.04E-05 |
| AFFX-LysX-5_at | NA | NA | 0.354 | 0.015882 |
| 1418026_at | Exo1 | exonuclease 1 | 0.354 | 0.0041425 |
| 1416526_a_at | Park7 | Parkinson disease (autosomal recessive, early onset) 7 | 0.354 | 0.0001778 |
| 1452192_at | Naf1 | nuclear assembly factor 1 homolog (<i>S. cerevisiae</i>) | 0.355 | 0.0008141 |
| 1448794_s_at | Dnajc2 | DnaJ (Hsp40) homolog, subfamily C, member 2 | 0.355 | 0.0112144 |
| 1428409_at | Nat13 | N-acetyltransferase 13 | 0.355 | 0.0002025 |
| 1416203_at | Aqp1 | aquaporin 1 | 0.355 | 0.0022967 |

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|---------------------|---------|--|-------|-----------|
| 1416233_at | Eif3i | eukaryotic translation initiation factor 3, subunit I | 0.355 | 0.000104 |
| 1438560_x_at | Cct4 | chaperonin containing Tcp1, subunit 4 (delta) | 0.356 | 0.0001316 |
| 1423855_x_at | Rpl17 | ribosomal protein L17 | 0.356 | 0.0002695 |
| 1438951_x_at | Nup54 | nucleoporin 54 | 0.356 | 0.00204 |
| 1452318_a_at | Hspa1b | heat shock protein 1B | 0.357 | 0.0023531 |
| 1452885_at | Sfrs2ip | splicing factor, arginine/serine-rich 2, interacting protein | 0.357 | 0.0098761 |
| 1448288_at | Nfib | nuclear factor I/B | 0.357 | 0.0015387 |
| 1423971_at | Thoc3 | THO complex 3 | 0.357 | 0.003011 |
| 1437197_at | Sorbs2 | sorbin and SH3 domain containing 2 | 0.357 | 0.001837 |
| 1437405_a_at | Igfbp4 | insulin-like growth factor binding protein 4 | 0.357 | 0.000138 |
| 1421054_at | Xpo4 | exportin 4 | 0.357 | 0.0035549 |
| 1457292_at | Josd3 | Josephin domain containing 3 | 0.357 | 0.0003696 |
| 1451924_a_at | Edn1 | endothelin 1 | 0.358 | 0.0006519 |
| AFFX-r2-Bs-dap-5_at | NA | NA | 0.358 | 0.0166975 |
| 1449706_s_at | Nr5a2 | nuclear receptor subfamily 5, group A, member 2 | 0.358 | 0.0015062 |
| 1426853_at | Set | SET translocation | 0.359 | 0.0001398 |
| 1423665_a_at | Rpl5 | ribosomal protein L5 | 0.359 | 0.0001141 |

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|---------------------|---------------|--|-------|-----------|
| 1426987_at | 5430417L22Rik | RIKEN cDNA 5430417L22 gene | 0.359 | 0.0050223 |
| 1449080_at | Hdac2 | histone deacetylase 2 | 0.359 | 0.0002819 |
| 1456700_x_at | Marcks | myristoylated alanine rich protein kinase C substrate | 0.360 | 0.000164 |
| 1416364_at | Hsp90ab1 | heat shock protein 90kDa alpha (cytosolic), class B member 1 | 0.360 | 0.0007002 |
| 1427119_at | Spink4 | serine peptidase inhibitor, Kazal type 4 | 0.360 | 0.0027688 |
| 1433507_a_at | LOC100039489 | similar to Hmgn2 protein | 0.360 | 0.0001042 |
| 1422156_a_at | Rps2 | ribosomal protein S2 | 0.360 | 0.0002491 |
| 1416685_s_at | Fbl | fibrillarlin | 0.361 | 0.0001332 |
| 1436000_a_at | Skp2 | S-phase kinase-associated protein 2 (p45) | 0.361 | 0.0009183 |
| 1443649_at | NA | NA | 0.361 | 0.0003933 |
| AFFX-r2-Bs-phe-5_at | NA | NA | 0.361 | 0.0231588 |
| 1434291_a_at | Serf1 | small EDRK-rich factor 1 | 0.361 | 0.0010495 |
| 1455604_at | Fzd5 | frizzled homolog 5 (Drosophila) | 0.361 | 0.0049529 |
| 1457218_at | 6430510M02Rik | RIKEN cDNA 6430510M02 gene | 0.361 | 0.0143397 |
| AFFX-PheX-M_at | NA | NA | 0.361 | 0.024711 |
| 1425042_s_at | Pelp1 | proline, glutamic acid and leucine rich protein 1 | 0.362 | 0.0007188 |

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| 1416015_s_at | Abce1 | ATP-binding cassette, sub-family E (OABP), member 1 | 0.362 | 0.000326 |
| 1448109_a_at | Rpl26 | ribosomal protein L26 | 0.362 | 0.0002108 |
| 1419838_s_at | Plk4 | polo-like kinase 4 (Drosophila) | 0.362 | 0.0011697 |
| 1427873_at | Defcr15 | defensin related cryptdin 15 | 0.363 | 0.0075767 |
| 1417139_at | Dsn1 | DSN1, MIND kinetochore complex component, homolog (S. cerevisiae) | 0.363 | 0.0004315 |
| 1422946_a_at | Dnmt1 | DNA methyltransferase (cytosine-5) 1 | 0.363 | 0.0001411 |
| 1452158_at | Eprs | glutamyl-prolyl-tRNA synthetase | 0.363 | 0.0008157 |
| 1456244_x_at | Glrx3 | glutaredoxin 3 | 0.363 | 0.0001961 |
| 1456280_at | Clspn | claspin homolog (Xenopus laevis) | 0.363 | 0.0014385 |
| 1415701_x_at | Rpl23 | ribosomal protein L23 | 0.363 | 0.0001503 |
| 1435213_at | Nhlrc1 | NHL repeat containing 1 | 0.364 | 0.0001199 |
| 1437163_x_at | Gtf2h4 | general transcription factor II H, polypeptide 4 | 0.364 | 0.0004829 |
| 1428744_s_at | Bri3bp | Bri3 binding protein | 0.364 | 0.000734 |
| 1439227_at | NA | NA | 0.364 | 0.0017579 |
| 1456169_at | EG226654 | predicted gene, EG226654 | 0.364 | 0.0007297 |
| 1437624_x_at | Nudt16l1 | nudix (nucleoside diphosphate linked moiety X)-type motif 16-like 1 | 0.364 | 0.0008872 |

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|--------------|-------------------|--|-------|-----------|
| 1418840_at | Pdcd4 | programmed cell death 4 | 0.364 | 0.000184 |
| 1419798_at | 2610019E17Rik | RIKEN cDNA 2610019E17 gene | 0.364 | 0.0096965 |
| 1434977_at | 4933403F05Rik | RIKEN cDNA 4933403F05 gene | 0.365 | 0.0061827 |
| 1447898_s_at | Sfrs6 | splicing factor, arginine/serine-rich 6 | 0.366 | 0.0002398 |
| 1415876_a_at | Rps26 | ribosomal protein S26 | 0.366 | 0.0001908 |
| 1441231_at | 100042016 | predicted gene, 100042016 | 0.366 | 0.0005607 |
| 1455364_a_at | Rps7 | ribosomal protein S7 | 0.366 | 0.0001381 |
| 1422623_x_at | Rpl41 | ribosomal protein L41 | 0.366 | 0.0001488 |
| 1455577_at | Ccl28 | chemokine (C-C motif) ligand 28 | 0.367 | 0.0018493 |
| 1435791_x_at | ENSMUSG0000066475 | predicted gene, ENSMUSG0000066475 | 0.367 | 0.0003142 |
| 1424616_s_at | Frag1 | FGF receptor activating protein 1 | 0.367 | 0.001073 |
| 1422579_at | Hspe1 | heat shock protein 1 (chaperonin 10) | 0.367 | 0.0008996 |
| 1422439_a_at | Cdk4 | cyclin-dependent kinase 4 | 0.367 | 0.0011109 |
| 1436046_x_at | Rpl29 | ribosomal protein L29 | 0.367 | 0.0009101 |
| 1434079_s_at | Mcm2 | minichromosome maintenance deficient 2 mitotin (S. cerevisiae) | 0.367 | 0.0036663 |
| 1455988_a_at | LOC100038887 | hypothetical protein LOC100038887 | 0.368 | 0.0001592 |
| 1422660_at | Rbm3 | RNA binding motif protein 3 | 0.368 | 0.0002319 |

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|---------------------|----------------|---|-------|-----------|
| 1440285_at | Ppp1r9a | protein phosphatase 1, regulatory (inhibitor) subunit 9A | 0.368 | 0.0010701 |
| 1422461_at | Atad3a | ATPase family, AAA domain containing 3A | 0.368 | 0.0007502 |
| 1418040_at | Tmem186 | transmembrane protein 186 | 0.369 | 0.0002681 |
| 1424281_at | Ubap2 | ubiquitin-associated protein 2 | 0.369 | 0.0009398 |
| 1435277_x_at | Nme1 | non-metastatic cells 1, protein (NM23A) expressed in | 0.369 | 0.0003212 |
| 1426790_at | Ssrp1 | structure specific recognition protein 1 | 0.369 | 0.0054578 |
| 1433623_at | Zfp367 | zinc finger protein 367 | 0.369 | 0.0004233 |
| 1453722_s_at | LOC100048559 | similar to splicing factor, arginine/serine-rich 1 (splicing factor 2, alternate splicing factor) | 0.369 | 0.0003397 |
| 1416894_at | 1500019G21 Rik | RIKEN cDNA 1500019G21 gene | 0.370 | 0.0051286 |
| 1432164_a_at | Gcsh | glycine cleavage system protein H (aminomethyl carrier) | 0.370 | 0.0003576 |
| AFFX-r2-Bs-lys-5_at | NA | NA | 0.370 | 0.0195983 |
| 1417998_at | Ptges3 | prostaglandin E synthase 3 (cytosolic) | 0.370 | 0.0006196 |

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|--------------|---------------|---|-------|-----------|
| 1436298_x_at | Paics | phosphoribosylaminoimidazole carboxylase, phosphoribosylaminoimidazole, succinocarboxamide synthetase | 0.370 | 0.0014562 |
| 1438429_at | 2610319H10Rik | RIKEN cDNA 2610319H10 gene | 0.370 | 0.0014542 |
| 1417062_at | Armc10 | armadillo repeat containing 10 | 0.372 | 0.0001968 |
| 1434025_at | NA | NA | 0.372 | 0.0004463 |
| 1426789_s_at | Ssrp1 | structure specific recognition protein 1 | 0.372 | 0.0002259 |
| 1452333_at | Smarca2 | SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2 | 0.373 | 0.0224561 |
| 1431766_x_at | Rps2 | ribosomal protein S2 | 0.373 | 0.0009402 |
| 1449635_at | Prpf19 | PRP19/PSO4 pre-mRNA processing factor 19 homolog (S. cerevisiae) | 0.373 | 0.0020157 |
| 1425560_a_at | S100a16 | S100 calcium binding protein A16 | 0.373 | 0.0022022 |
| 1416054_at | Rps5 | ribosomal protein S5 | 0.373 | 0.0001982 |
| 1416585_at | Ruvbl1 | RuvB-like protein 1 | 0.373 | 0.0002696 |
| 1452388_at | Hspa1a | heat shock protein 1A | 0.373 | 0.0049689 |
| 1448846_a_at | Rpl29 | ribosomal protein L29 | 0.374 | 0.000633 |

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|----------------|---------------|---|-------|-----------|
| 1435841_s_at | Suclg2 | succinate-Coenzyme A ligase, GDP-forming, beta subunit | 0.375 | 0.0004236 |
| 1437848_x_at | Adpgk | ADP-dependent glucokinase | 0.375 | 0.0054434 |
| 1436924_x_at | Rpl31 | ribosomal protein L31 | 0.375 | 0.0002897 |
| 1428622_at | Depdc6 | DEP domain containing 6 | 0.375 | 0.0002897 |
| 1460037_at | 2610510H03Rik | RIKEN cDNA 2610510H03 gene | 0.376 | 0.0004767 |
| 1450914_at | Ppp1r14b | protein phosphatase 1, regulatory (inhibitor) subunit 14B | 0.376 | 0.0009267 |
| 1434173_s_at | D19Bwg1357e | DNA segment, Chr 19, Brigham & Women@#\$%&s Genetics 1357 expressed | 0.376 | 0.0006635 |
| 1423456_at | Bzw2 | basic leucine zipper and W2 domains 2 | 0.376 | 0.0015376 |
| 1447703_x_at | Zfp593 | zinc finger protein 593 | 0.376 | 0.0002436 |
| 1443909_at | Cstf3 | cleavage stimulation factor, 3@#\$%& pre-RNA, subunit 3 | 0.376 | 0.0002686 |
| 1421819_a_at | Set | SET translocation | 0.376 | 0.0010025 |
| AFFX-DapX-5_at | NA | NA | 0.376 | 0.0204709 |
| 1428797_at | Setd6 | SET domain containing 6 | 0.376 | 0.0002251 |
| 1416595_at | Mrps22 | mitochondrial ribosomal protein S22 | 0.377 | 0.0008636 |
| 1456359_at | Ppwd1 | peptidylprolyl isomerase domain and WD repeat containing 1 | 0.377 | 0.0056746 |

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|--------------|---------------|--|-------|-----------|
| 1437709_x_at | Ttc13 | tetratricopeptide repeat domain 13 | 0.377 | 0.0003607 |
| 1415829_at | Lbr | lamin B receptor | 0.377 | 0.0008268 |
| 1455305_x_at | Hnrnpa1 | heterogeneous nuclear ribonucleoprotein A1 | 0.377 | 0.0001818 |
| 1453314_x_at | 2610039C10Rik | RIKEN cDNA 2610039C10 gene | 0.378 | 0.0007675 |
| 1422547_at | Ranbp1 | RAN binding protein 1 | 0.378 | 0.0002343 |
| 1434820_s_at | Pkig | protein kinase inhibitor, gamma | 0.378 | 0.0007559 |
| 1436189_at | NA | NA | 0.378 | 0.0134049 |
| 1418273_a_at | Rpl30 | ribosomal protein L30 | 0.378 | 0.0001646 |
| 1437908_a_at | Ergic1 | endoplasmic reticulum-golgi intermediate compartment (ERGIC) 1 | 0.378 | 0.0004423 |
| 1452154_at | lars | isoleucine-tRNA synthetase | 0.378 | 0.0025805 |
| 1449117_at | Jund | Jun proto-oncogene related gene d | 0.379 | 0.0021446 |
| 1449628_s_at | Stard7 | START domain containing 7 | 0.379 | 0.0008861 |
| 1434328_at | Rpl15 | ribosomal protein L15 | 0.379 | 0.0003635 |
| 1452036_a_at | Tmpo | thymopoietin | 0.379 | 0.0007485 |
| 1428316_a_at | Fundc2 | FUN14 domain containing 2 | 0.379 | 0.0002521 |
| 1451405_at | Pcca | propionyl-Coenzyme A carboxylase, alpha polypeptide | 0.379 | 0.0004608 |
| 1437027_x_at | Rnps1 | ribonucleic acid binding protein S1 | 0.379 | 0.0001574 |
| 1455348_x_at | Rpl29 | ribosomal protein L29 | 0.379 | 0.0006443 |

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|--------------|--------------|---|-------|-----------|
| 1454993_a_at | Sfrs3 | splicing factor, arginine/serine-rich 3 (SRp20) | 0.379 | 0.0001732 |
| 1437280_s_at | Serbp1 | Serpine1 mRNA binding protein 1 | 0.380 | 0.0005488 |
| 1448357_at | Snrpg | small nuclear ribonucleoprotein polypeptide G | 0.380 | 0.0006623 |
| 1433445_x_at | LOC100040592 | similar to Hmgcs1 protein | 0.380 | 0.0002777 |
| 1426574_a_at | Add3 | adducin 3 (gamma) | 0.380 | 0.0005184 |
| 1424473_at | Polr2h | polymerase (RNA) II (DNA directed) polypeptide H | 0.380 | 0.0010748 |
| 1433472_x_at | Rpl38 | ribosomal protein L38 | 0.380 | 0.0009313 |
| 1448665_at | Dmd | dystrophin, muscular dystrophy | 0.380 | 0.0053999 |
| 1450657_at | Ppie | peptidylprolyl isomerase E (cyclophilin E) | 0.381 | 0.0010229 |
| 1424323_at | Noc2l | nucleolar complex associated 2 homolog (S. cerevisiae) | 0.381 | 0.0001559 |
| 1433689_s_at | Rps9 | ribosomal protein S9 | 0.381 | 0.000196 |
| 1456319_at | NA | NA | 0.381 | 0.026558 |
| 1433428_x_at | Tgm2 | transglutaminase 2, C polypeptide | 0.381 | 0.0019031 |
| 1435484_at | Slc5a3 | solute carrier family 5 (inositol transporters), member 3 | 0.381 | 0.0038114 |

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| 1449506_a_at | Eef1d | eukaryotic translation elongation factor 1 delta (guanine nucleotide exchange protein) | 0.381 | 0.0001733 |
| 1437377_a_at | Polrmt | polymerase (RNA) mitochondrial (DNA directed) | 0.381 | 0.0002966 |
| 1424204_at | Mrpl13 | mitochondrial ribosomal protein L13 | 0.382 | 4.00E-04 |
| 1438072_at | NA | NA | 0.382 | 0.0017374 |
| 1434972_x_at | Sfrs1 | splicing factor, arginine/serine-rich 1 (ASF/SF2) | 0.382 | 0.0002725 |
| 1458341_x_at | NA | NA | 0.382 | 0.0005792 |
| 1424953_at | BC021614 | cDNA sequence BC021614 | 0.383 | 0.0002815 |
| 1424377_at | BC003885 | cDNA sequence BC003885 | 0.383 | 0.002103 |
| 1456625_at | Aasdhppt | aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase | 0.383 | 0.0020162 |
| 1436174_at | Atad2 | ATPase family, AAA domain containing 2 | 0.383 | 0.0004821 |
| 1417126_a_at | Rpl22l1 | ribosomal protein L22 like 1 | 0.383 | 0.0001911 |
| 1428296_at | Polr2l | polymerase (RNA) II (DNA directed) polypeptide L | 0.383 | 0.0001791 |
| 1423050_s_at | Hnrnpu | heterogeneous nuclear ribonucleoprotein U | 0.383 | 0.0001828 |

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|--------------------|-------------------|--|-------|-----------|
| 1456097_a_at | Itgb3bp | integrin beta 3 binding protein (beta3- endonexin) | 0.383 | 0.0020699 |
| 1448353_x_at | Rpn1 | ribophorin I | 0.383 | 0.0025763 |
| 1428557_a_at | Osgepl1 | O- sialoglycoprotein endopeptidase- like 1 | 0.383 | 0.0006389 |
| 1424321_at | Rfc4 | replication factor C (activator 1) 4 | 0.383 | 0.0011518 |
| 1448697_s_at | Rpl36al | ribosomal protein L36a-like | 0.383 | 0.0002859 |
| 1450150_a_at | Rpl13 | ribosomal protein L13 | 0.383 | 0.0002352 |
| 1455246_at | Smarcc1 | SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1 | 0.383 | 0.0001675 |
| 1453208_at | 2700089E24R ik | RIKEN cDNA 2700089E24 gene | 0.384 | 0.0006401 |
| AFFX-LysX- M_at | NA | NA | 0.384 | 0.0186743 |
| 1428465_at | Tmem147 | transmembrane protein 147 | 0.384 | 0.0091608 |
| 1417057_a_at | Ppid | peptidylprolyl isomerase D (cyclophilin D) | 0.384 | 0.0004639 |
| 1427886_at | Pom121 | nuclear pore membrane protein 121 | 0.384 | 0.0006776 |
| 1454607_s_at | Psat1 | phosphoserine aminotransferase 1 | 0.384 | 0.0010908 |
| 1427680_a_at | Nfib | nuclear factor I/B | 0.384 | 0.0036235 |
| 1450780_s_at | Hmga2 | high mobility group AT-hook 2 | 0.385 | 0.0026831 |

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| 1420476_a_at | Nap111 | nucleosome assembly protein 1-like 1 | 0.385 | 0.0030234 |
| 1423522_at | Npm3 | nucleoplasmin 3 | 0.385 | 0.002368 |
| 1460701_a_at | Mrpl52 | mitochondrial ribosomal protein L52 | 0.385 | 0.0002567 |
| 1451346_at | Mtap | methylthioadenosine phosphorylase | 0.385 | 0.003886 |
| 1452171_at | Grwd1 | glutamate-rich WD repeat containing 1 | 0.385 | 0.0016644 |
| 1438902_a_at | Hsp90aa1 | heat shock protein 90, alpha (cytosolic), class A member 1 | 0.385 | 0.000877 |
| 1428746_a_at | Trspap1 | tRNA selenocysteine associated protein 1 | 0.386 | 0.0018703 |
| 1452725_a_at | Rnaseh2a | ribonuclease H2, large subunit | 0.386 | 0.0001956 |
| 1429077_x_at | Rpl21 | ribosomal protein L21 | 0.386 | 0.0001797 |
| 1416123_at | Ccnd2 | cyclin D2 | 0.386 | 0.0014264 |
| 1434745_at | Ccnd2 | cyclin D2 | 0.386 | 0.0002184 |
| 1428339_at | Nudt21 | nudix (nucleoside diphosphate linked moiety X)-type motif 21 | 0.387 | 0.0009627 |
| 1415912_a_at | Rps13 | ribosomal protein S13 | 0.387 | 0.0002215 |
| 1457539_at | D10ErtD709e | DNA segment, Chr 10, ERATO Doi 709, expressed | 0.387 | 0.0082605 |
| 1434513_at | Atp13a3 | ATPase type 13A3 | 0.387 | 0.0008234 |

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|-------------------------|------------------------|--|-------|-----------|
| 1416616_s_at | Clpp | caseinolytic peptidase, ATP- dependent, proteolytic subunit homolog (E. coli) | 0.388 | 0.0003256 |
| 1428326_s_at | Hrsp12 | heat-responsive protein 12 | 0.388 | 0.0012104 |
| 1428919_at | Fgfr1op | Fgfr1 oncogene partner | 0.388 | 0.0018292 |
| 1427875_a_at | ENSMUSG00 000068396 | predicted gene, ENSMUSG00000 068396 | 0.388 | 0.0003371 |
| 1450423_s_at | Bxdc1 | brix domain containing 1 | 0.388 | 0.0037864 |
| 1453071_s_at | Kdelc2 | KDEL (Lys-Asp- Glu-Leu) containing 2 | 0.388 | 0.0065386 |
| 1415762_x_at | Mrpl52 | mitochondrial ribosomal protein L52 | 0.388 | 0.0002358 |
| 1422881_s_at | Sypl | synaptophysin- like protein | 0.389 | 0.0003987 |
| 1450339_a_at | Bcl11b | B-cell leukemia/lympho ma 11B | 0.389 | 0.0007263 |
| 1417058_a_at | Krtcap2 | keratinocyte associated protein 2 | 0.389 | 0.00019 |
| 1427965_at | Ssbp1 | single-stranded DNA binding protein 1 | 0.389 | 0.0019007 |
| 1423764_s_at | Mrpl37 | mitochondrial ribosomal protein L37 | 0.390 | 0.0021057 |
| 1455357_x_at | OTTMUSG00 000016825 | predicted gene, OTTMUSG00000 016825 | 0.390 | 0.0006858 |
| 1460543_x_at | Rpl37a | ribosomal protein L37a | 0.390 | 0.0007806 |
| AFFX-r2-Bs-lys- M_at | NA | NA | 0.390 | 0.0211552 |
| 1448504_a_at | Cbx3 | chromobox homolog 3 (Drosophila HP1 gamma) | 0.390 | 0.0006497 |

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| 1423046_s_at | Ncbp2 | nuclear cap binding protein subunit 2 | 0.390 | 0.0036935 |
| 1428212_x_at | ENSMUSG0000066956 | predicted gene, ENSMUSG0000066956 | 0.392 | 0.0002727 |
| 1422849_a_at | Pabpn1 | poly(A) binding protein, nuclear 1 | 0.392 | 0.0023331 |
| 1454866_s_at | Clic6 | chloride intracellular channel 6 | 0.392 | 0.0042603 |
| AFFX-r2-Bs-lys-3_at | NA | NA | 0.392 | 0.0258624 |
| 1460198_a_at | Psmb3 | proteasome (prosome, macropain) subunit, beta type 3 | 0.392 | 0.0007444 |
| 1423081_a_at | Tomm20 | translocase of outer mitochondrial membrane 20 homolog (yeast) | 0.392 | 0.0011992 |
| 1449255_a_at | Rpl15 | ribosomal protein L15 | 0.392 | 0.000323 |
| 1450840_a_at | Rpl39 | ribosomal protein L39 | 0.392 | 0.0006474 |
| 1448799_s_at | Mrps12 | mitochondrial ribosomal protein S12 | 0.392 | 0.0013505 |
| 1429054_at | Mrpl47 | mitochondrial ribosomal protein L47 | 0.392 | 0.0005639 |
| 1423754_at | Ifitm3 | interferon induced transmembrane protein 3 | 0.392 | 0.0005355 |
| 1417273_at | Pdk4 | pyruvate dehydrogenase kinase, isoenzyme 4 | 0.393 | 0.0032126 |
| 1437456_x_at | Ythdf1 | YTH domain family 1 | 0.393 | 0.0005486 |
| 1448938_at | Rpa3 | replication protein A3 | 0.393 | 0.000207 |
| 1423969_at | Nup37 | nucleoporin 37 | 0.393 | 0.0015534 |

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| 1437694_at | NA | NA | 0.393 | 0.0035438 |
| 1434688_x_at | Drg1 | developmentally regulated GTP binding protein 1 | 0.393 | 0.0004964 |
| 1428822_a_at | Snx24 | sorting nexin 24 | 0.394 | 0.0016371 |
| 1423674_at | Usp1 | ubiquitin specific peptidase 1 | 0.394 | 0.0007444 |
| 1447854_s_at | Hist2h2be | histone cluster 2, H2be | 0.394 | 0.000659 |
| 1424033_at | Sfrs7 | splicing factor, arginine/serine-rich 7 | 0.394 | 0.0021293 |
| 1453049_at | 6620401M08 Rik | RIKEN cDNA 6620401M08 gene | 0.394 | 0.0005062 |
| 1460225_at | Mrp63 | mitochondrial ribosomal protein 63 | 0.394 | 0.0083051 |
| 1424000_a_at | Rps11 | ribosomal protein S11 | 0.395 | 0.0002674 |
| 1439089_at | Zbtb41 | zinc finger and BTB domain containing 41 homolog | 0.395 | 0.0012036 |
| 1416176_at | Hmgb1 | high mobility group box 1 | 0.395 | 0.0002546 |
| 1416719_a_at | Rps10 | ribosomal protein S10 | 0.395 | 0.0002317 |
| 1426152_a_at | Kitl | kit ligand | 0.395 | 0.0132201 |
| 1433447_x_at | Cct4 | chaperonin containing Tcp1, subunit 4 (delta) | 0.395 | 0.0002467 |
| 1457814_at | NA | NA | 0.396 | 0.0287074 |
| 1421731_a_at | Fen1 | flap structure specific endonuclease 1 | 0.396 | 0.000348 |
| 1438322_x_at | Fdft1 | farnesyl diphosphate farnesyl transferase 1 | 0.396 | 0.0004363 |
| 1420489_at | Mrps14 | mitochondrial ribosomal protein S14 | 0.396 | 0.0026403 |

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|--------------|-------------------|---|-------|-----------|
| 1416158_at | Nr2f2 | nuclear receptor subfamily 2, group F, member 2 | 0.396 | 0.0074781 |
| 1451199_at | Qtrtd1 | queuine tRNA-ribosyltransferase domain containing 1 | 0.396 | 0.0019002 |
| 1439438_a_at | EG625193 | predicted gene, EG625193 | 0.396 | 0.0006294 |
| 1437277_x_at | Tgm2 | transglutaminase 2, C polypeptide | 0.396 | 0.0007437 |
| 1438969_x_at | Dhx30 | DEAH (Asp-Glu-Ala-His) box polypeptide 30 | 0.396 | 0.0011457 |
| 1450087_a_at | Nolc1 | nucleolar and coiled-body phosphoprotein 1 | 0.397 | 0.0165036 |
| 1416212_at | Magoh | mago-nashi homolog, proliferation-associated (Drosophila) | 0.397 | 0.0004922 |
| 1434872_x_at | OTTMUSG0000009529 | predicted gene, OTTMUSG0000009529 | 0.397 | 0.0002185 |
| 1451989_a_at | Mapre2 | microtubule-associated protein, RP/EB family, member 2 | 0.397 | 0.0083649 |
| 1458086_at | 4732471D19Rik | RIKEN cDNA 4732471D19 gene | 0.397 | 0.0075212 |
| 1435488_at | 1110019K23Rik | RIKEN cDNA 1110019K23 gene | 0.398 | 0.0005292 |
| 1426783_at | Kat2a | K(lysine) acetyltransferase 2A | 0.398 | 0.0075692 |
| 1453565_at | Ndufab1 | NADH dehydrogenase (ubiquinone) 1, alpha/beta subcomplex, 1 | 0.398 | 0.0286608 |

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| 1452838_at | Ddx10 | DEAD (Asp-Glu-Ala-Asp) box polypeptide 10 | 0.398 | 0.0002906 |
| 1448009_at | LOC100044322 | similar to UDP-glucose ceramide glucosyltransferase-like 1 | 0.398 | 0.0107038 |
| 1424991_s_at | Tyms | thymidylate synthase | 0.399 | 0.0022457 |
| 1423795_at | Sfpq | splicing factor proline/glutamine rich (polypyrimidine tract binding protein associated) | 0.399 | 0.0007498 |
| 1430536_a_at | Erh | enhancer of rudimentary homolog (Drosophila) | 0.399 | 0.0014455 |
| 1449648_s_at | Rpo1-1 | RNA polymerase 1-1 | 0.399 | 0.000344 |
| 1425881_at | Psg28 | pregnancy-specific glycoprotein 28 | 0.399 | 0.02695 |
| 1418585_at | Ccnh | cyclin H | 0.399 | 0.0087226 |
| 1417028_a_at | Trim2 | tripartite motif-containing 2 | 0.399 | 0.0091498 |
| 1416362_a_at | Fkbp4 | FK506 binding protein 4 | 0.399 | 0.0025733 |
| 1424353_at | Lrpprc | leucine-rich PPR-motif containing | 0.400 | 0.0019694 |
| 1416089_at | Rps15 | ribosomal protein S15 | 0.400 | 0.0002467 |
| 1443814_x_at | Ctsh | cathepsin H | 0.400 | 0.0046725 |
| 1416420_a_at | Rpl9 | ribosomal protein L9 | 0.400 | 0.0002838 |
| 1416024_x_at | Cct3 | chaperonin containing Tcp1, subunit 3 (gamma) | 0.400 | 0.0006439 |

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| 1452692_a_at | Ndufv2 | NADH dehydrogenase (ubiquinone) flavoprotein 2 | 0.400 | 0.0004425 |
| 1451068_s_at | Rps25 | ribosomal protein S25 | 0.401 | 0.000402 |
| 1416152_a_at | Sfrs3 | splicing factor, arginine/serine-rich 3 (SRp20) | 0.401 | 0.0010236 |
| 1420965_a_at | Enc1 | ectodermal-neural cortex 1 | 0.401 | 0.0012785 |
| 1416700_at | Rnd3 | Rho family GTPase 3 | 0.402 | 0.0029508 |
| 1421019_at | 1700021F05Rik | RIKEN cDNA 1700021F05 gene | 0.402 | 0.0002847 |
| 1437621_x_at | Phgdh | 3-phosphoglycerate dehydrogenase | 0.402 | 0.0018976 |
| 1415869_a_at | Trim28 | tripartite motif-containing 28 | 0.402 | 0.0008233 |
| 1416915_at | Msh6 | mutS homolog 6 (E. coli) | 0.402 | 0.0014155 |
| 1423702_at | H1f0 | H1 histone family, member 0 | 0.402 | 0.0021899 |
| 1428152_a_at | Rpl18a | ribosomal protein L18A | 0.402 | 0.000277 |
| 1460353_at | Tmem48 | transmembrane protein 48 | 0.402 | 0.0037625 |
| 1433855_at | Abat | 4-aminobutyrate aminotransferase | 0.402 | 0.0037562 |
| 1426002_a_at | Cdc7 | cell division cycle 7 (S. cerevisiae) | 0.402 | 0.0007067 |
| 1452144_a_at | Mrpl44 | mitochondrial ribosomal protein L44 | 0.402 | 0.0005076 |
| 1423160_at | Spred1 | sprouty protein with EVH-1 domain 1, related sequence | 0.403 | 0.001307 |

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|----------------|---------------|---|-------|-----------|
| 1437975_a_at | Rpl23a | ribosomal protein L23a | 0.403 | 0.0002656 |
| 1437749_s_at | Mrpl9 | mitochondrial ribosomal protein L9 | 0.403 | 0.0009216 |
| 1417078_at | Lgals2 | lectin, galactose-binding, soluble 2 | 0.403 | 0.0005306 |
| 1455878_at | 2700023E23Rik | RIKEN cDNA 2700023E23 gene | 0.403 | 0.0035751 |
| 1435734_x_at | Dus1l | dihydrouridine synthase 1-like (S. cerevisiae) | 0.403 | 0.0004779 |
| 1428182_at | Prpsap1 | phosphoribosyl pyrophosphate synthetase-associated protein 1 | 0.403 | 0.0021528 |
| 1428800_a_at | Pus7l | pseudouridylate synthase 7 homolog (S. cerevisiae)-like | 0.403 | 0.0035761 |
| 1420139_s_at | Krr1 | KRR1, small subunit (SSU) processome component, homolog (yeast) | 0.404 | 0.0002899 |
| 1423142_a_at | Gtpbp4 | GTP binding protein 4 | 0.404 | 0.0008888 |
| 1437005_a_at | Rpl18 | ribosomal protein L18 | 0.405 | 0.0008731 |
| 1435368_a_at | Parp1 | poly (ADP-ribose) polymerase family, member 1 | 0.405 | 0.0007267 |
| AFFX-PheX-3_at | NA | NA | 0.405 | 0.0243495 |
| 1440254_at | 100041277 | predicted gene, 100041277 | 0.405 | 0.0038341 |
| 1415855_at | Kitl | kit ligand | 0.406 | 0.0049501 |

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| 1435821_s_at | Ppp1r8 | protein phosphatase 1, regulatory (inhibitor) subunit 8 | 0.406 | 0.0005415 |
| 1416277_a_at | Rplp1 | ribosomal protein, large, P1 | 0.406 | 0.0003616 |
| 1435628_x_at | BC005512 | cDNA sequence BC005512 | 0.406 | 0.0255497 |
| 1441768_at | 9430051O21 Rik | RIKEN cDNA 9430051O21 gene | 0.406 | 0.0050528 |
| 1426724_at | Cnn3 | calponin 3, acidic | 0.406 | 0.0004414 |
| 1435324_x_at | Hmgb1 | high mobility group box 1 | 0.406 | 0.0006393 |
| 1442710_at | NA | NA | 0.406 | 0.0063676 |
| 1419460_at | Rpp14 | ribonuclease P 14 subunit (human) | 0.407 | 0.0022158 |
| 1423749_s_at | Rangap1 | RAN GTPase activating protein 1 | 0.407 | 0.0010662 |
| 1435338_at | Cdk6 | cyclin-dependent kinase 6 | 0.407 | 0.0004482 |
| 1436007_a_at | Thumpd1 | THUMP domain containing 1 | 0.407 | 0.0004251 |
| 1438852_x_at | Mcm6 | minichromosome maintenance deficient 6 (MIS5 homolog, S. pombe) (S. cerevisiae) | 0.407 | 0.0003985 |
| 1416858_a_at | Fkbp3 | FK506 binding protein 3 | 0.407 | 0.0005058 |
| 1427127_x_at | Hspa1b | heat shock protein 1B | 0.408 | 0.0030923 |
| 1460048_at | Zdhhc13 | zinc finger, DHHC domain containing 13 | 0.408 | 0.0067917 |
| 1455719_at | Tubb5 | tubulin, beta 5 | 0.408 | 0.0016498 |

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|---------------------------|-------------------|---|-------|-----------|
| 1438120_x_at | Irak1 | interleukin-1 receptor- associated kinase 1 | 0.409 | 0.0038784 |
| 1443867_at | Ankrd12 | ankyrin repeat domain 12 | 0.409 | 0.0351633 |
| 1437543_at | Fubp1 | far upstream element (FUSE) binding protein 1 | 0.409 | 0.0059312 |
| 1439464_s_at | Tex10 | testis expressed gene 10 | 0.409 | 0.0031522 |
| 1415947_at | Creg1 | cellular repressor of E1A-stimulated genes 1 | 0.409 | 0.0019831 |
| 1447728_x_at | Hspa9 | heat shock protein 9 | 0.409 | 0.0053605 |
| 1436824_x_at | Rnf26 | ring finger protein 26 | 0.409 | 0.0011388 |
| 1435645_at | Mmd | monocyte to macrophage differentiation- associated | 0.409 | 0.0016838 |
| 1417313_at | Lsm7 | LSM7 homolog, U6 small nuclear RNA associated (<i>S. cerevisiae</i>) | 0.409 | 0.0006055 |
| 1437450_x_at | 2700060E02R ik | RIKEN cDNA 2700060E02 gene | 0.409 | 0.0003902 |
| AFFX-r2-Bs-thr- 3_s_at | NA | NA | 0.409 | 0.0243402 |
| 1437839_x_at | Mrpl11 | mitochondrial ribosomal protein L11 | 0.409 | 0.0055296 |
| 1436113_a_at | St13 | suppression of tumorigenicity 13 | 0.409 | 0.0003541 |
| 1419839_x_at | Prpf19 | PRP19/PSO4 pre- mRNA processing factor 19 homolog (<i>S.</i> <i>cerevisiae</i>) | 0.409 | 0.0027692 |

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| 1433443_a_at | LOC100040592 | similar to Hmgcs1 protein | 0.409 | 0.000599 |
| 1439106_at | Zfp462 | zinc finger protein 462 | 0.409 | 0.0034138 |
| 1418640_at | Sirt1 | sirtuin 1 (silent mating type information regulation 2, homolog) 1 (S. cerevisiae) | 0.410 | 0.000657 |
| 1448793_a_at | Sdc4 | syndecan 4 | 0.410 | 0.009762 |
| 1448224_at | Tfam | transcription factor A, mitochondrial | 0.410 | 0.0022535 |
| 1428976_at | Tmpo | thymopoietin | 0.410 | 0.0005547 |
| 1438386_x_at | Mat2a | methionine adenosyltransferase II, alpha | 0.410 | 0.0006098 |
| 1447750_x_at | Pih1d1 | PIH1 domain containing 1 | 0.411 | 0.0075346 |
| 1416122_at | Ccnd2 | cyclin D2 | 0.411 | 0.0006332 |
| 1448536_at | Lsm3 | LSM3 homolog, U6 small nuclear RNA associated (S. cerevisiae) | 0.411 | 0.0003111 |
| 1450849_at | Hnrnpu | heterogeneous nuclear ribonucleoprotein U | 0.411 | 0.0431334 |
| 1439755_at | Sipa111 | signal-induced proliferation-associated 1 like 1 | 0.411 | 0.0050121 |
| 1452839_at | Dph5 | DPH5 homolog (S. cerevisiae) | 0.411 | 0.0009298 |
| 1428112_at | Armet | arginine-rich, mutated in early stage tumors | 0.412 | 0.001942 |
| 1416742_at | Cfdp1 | craniofacial development protein 1 | 0.412 | 0.000476 |

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|--------------|---------------|---|-------|-----------|
| 1430982_at | LOC100048559 | similar to splicing factor, arginine/serine-rich 1 (splicing factor 2, alternate splicing factor) | 0.412 | 0.0068863 |
| 1433936_at | 0610010E21Rik | RIKEN cDNA 0610010E21 gene | 0.412 | 0.0025611 |
| 1417657_s_at | Dnajc2 | DnaJ (Hsp40) homolog, subfamily C, member 2 | 0.413 | 0.0009516 |
| 1448947_at | 2810004N23Rik | RIKEN cDNA 2810004N23 gene | 0.413 | 0.0003203 |
| 1431593_a_at | Tsen34 | tRNA splicing endonuclease 34 homolog (S. cerevisiae) | 0.413 | 0.0008198 |
| 1423531_a_at | Hnrnpa1 | heterogeneous nuclear ribonucleoprotein A1 | 0.413 | 0.00035 |
| 1436615_a_at | Otc | ornithine transcarbamylase | 0.413 | 0.0008279 |
| 1417399_at | Gas6 | growth arrest specific 6 | 0.414 | 0.003972 |
| 1440037_at | Pbx1 | pre B-cell leukemia transcription factor 1 | 0.414 | 0.0119733 |
| 1420479_a_at | Nap111 | nucleosome assembly protein 1-like 1 | 0.414 | 0.0487733 |
| 1440925_at | NA | NA | 0.414 | 0.0038195 |
| 1428291_at | Exosc8 | exosome component 8 | 0.414 | 0.001941 |
| 1450873_at | Gtpbp4 | GTP binding protein 4 | 0.415 | 0.0006336 |
| 1449194_at | Mrps25 | mitochondrial ribosomal protein S25 | 0.415 | 0.0016402 |
| 1417703_at | Pvrl2 | poliovirus receptor-related 2 | 0.415 | 0.0025115 |

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| 1455578_x_at | Rpl41 | ribosomal protein L41 | 0.415 | 0.0004443 |
| 1436816_at | Nup133 | nucleoporin 133 | 0.415 | 0.0009743 |
| 1420911_a_at | Mfge8 | milk fat globule-EGF factor 8 protein | 0.415 | 0.0006184 |
| 1421817_at | Gsr | glutathione reductase | 0.415 | 0.0039087 |
| 1438092_x_at | H2afz | H2A histone family, member Z | 0.415 | 0.0004275 |
| 1456655_at | NA | NA | 0.416 | 0.0027437 |
| 1456315_a_at | Ptpla | protein tyrosine phosphatase-like (proline instead of catalytic arginine), member a | 0.416 | 0.0032682 |
| 1451259_at | Rexo2 | REX2, RNA exonuclease 2 homolog (S. cerevisiae) | 0.416 | 0.0029077 |
| 1436508_at | 2410014A08Rik | RIKEN cDNA 2410014A08 gene | 0.416 | 0.0007559 |
| 1416470_a_at | Rpn1 | ribophorin I | 0.416 | 0.0015272 |
| 1418719_at | 2410004L22Rik | RIKEN cDNA 2410004L22 gene | 0.416 | 0.0047538 |
| 1419363_a_at | Mrpl35 | mitochondrial ribosomal protein L35 | 0.416 | 0.0003674 |
| 1456702_x_at | Mat2a | methionine adenosyltransferase II, alpha | 0.416 | 0.0015377 |
| 1443491_at | NA | NA | 0.417 | 0.0049149 |
| 1426705_s_at | Iars | isoleucine-tRNA synthetase | 0.417 | 0.0015053 |
| 1423708_a_at | Farsb | phenylalanyl-tRNA synthetase, beta subunit | 0.417 | 0.0019741 |
| 1439428_x_at | Gmcs | GDP-mannose 4, 6-dehydratase | 0.417 | 0.0099505 |

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|--------------|---------------|---|-------|-----------|
| 1428429_at | Rgmb | RGM domain family, member B | 0.417 | 0.0055702 |
| 1417029_a_at | Trim2 | tripartite motif-containing 2 | 0.418 | 0.00318 |
| 1437851_x_at | Rnps1 | ribonucleic acid binding protein S1 | 0.418 | 0.0005545 |
| 1416052_at | Prps1 | phosphoribosyl pyrophosphate synthetase 1 | 0.418 | 0.0034256 |
| 1430020_x_at | Hnrnpa1 | heterogeneous nuclear ribonucleoprotein A1 | 0.418 | 0.0004377 |
| 1428553_at | Glrx5 | glutaredoxin 5 homolog (S. cerevisiae) | 0.418 | 0.0005379 |
| 1448135_at | Atf4 | activating transcription factor 4 | 0.418 | 0.0004797 |
| 1416940_at | Ppif | peptidylprolyl isomerase F (cyclophilin F) | 0.418 | 0.0028713 |
| 1459497_at | NA | NA | 0.418 | 0.0027963 |
| 1455417_at | Kcnj11 | potassium inwardly rectifying channel, subfamily J, member 11 | 0.419 | 0.0072299 |
| 1442824_at | 8030497I03Rik | RIKEN cDNA 8030497I03 gene | 0.419 | 0.0021422 |
| 1416276_a_at | Rps4x | ribosomal protein S4, X-linked | 0.419 | 0.0003732 |
| 1423206_s_at | 2310003F16Rik | RIKEN cDNA 2310003F16 gene | 0.419 | 0.0003535 |
| 1448480_at | Nip7 | nuclear import 7 homolog (S. cerevisiae) | 0.419 | 0.0004343 |
| 1433547_s_at | Nudcd1 | NudC domain containing 1 | 0.420 | 0.0008143 |
| 1454781_x_at | Commd9 | COMM domain containing 9 | 0.420 | 0.003266 |

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| 1416095_x_at | 1110005A23Rik | RIKEN cDNA 1110005A23 gene | 0.420 | 0.000469 |
| 1438091_a_at | H2afz | H2A histone family, member Z | 0.420 | 0.0008885 |
| 1418504_at | Hspa9 | heat shock protein 9 | 0.421 | 0.003174 |
| 1416988_at | Msh2 | mutS homolog 2 (E. coli) | 0.421 | 0.0107176 |
| 1418229_s_at | Nfu1 | NFU1 iron-sulfur cluster scaffold homolog (S. cerevisiae) | 0.422 | 0.0007124 |
| 1433983_at | Cnksr3 | Cnksr family member 3 | 0.422 | 0.0004972 |
| 1428585_at | Actn1 | actinin, alpha 1 | 0.422 | 0.0006509 |
| 1416835_s_at | Amd1 | S-adenosylmethionine decarboxylase 1 | 0.422 | 0.0008498 |
| 1449118_at | Dbt | dihydrolipoamide branched chain transacylase E2 | 0.422 | 0.0015355 |
| 1454751_at | G430022H21Rik | RIKEN cDNA G430022H21 gene | 0.422 | 0.0029436 |
| 1441081_a_at | 1110038B12Rik | RIKEN cDNA 1110038B12 gene | 0.422 | 0.0106703 |
| 1419273_at | C80913 | expressed sequence C80913 | 0.422 | 0.0057452 |
| 1434668_at | Nucks1 | nuclear casein kinase and cyclin-dependent kinase substrate 1 | 0.423 | 0.0010851 |
| 1453727_at | Esf1 | ESF1, nucleolar pre-rRNA processing protein, homolog (S. cerevisiae) | 0.423 | 0.0111111 |
| 1459836_x_at | Sf3b2 | splicing factor 3b, subunit 2 | 0.423 | 0.005342 |

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| 1436884_x_at | Ewsr1 | Ewing sarcoma breakpoint region 1 | 0.423 | 0.0030822 |
| 1426402_at | Syncrip | synaptotagmin binding, cytoplasmic RNA interacting protein | 0.423 | 0.0022824 |
| 1448809_at | Cse1l | chromosome segregation 1-like (<i>S. cerevisiae</i>) | 0.423 | 0.0025485 |
| 1417647_at | Snx5 | sorting nexin 5 | 0.423 | 0.0004193 |
| 1437327_x_at | Enoph1 | enolase- phosphatase 1 | 0.423 | 0.0007196 |
| 1442214_at | NA | NA | 0.424 | 0.0034759 |
| 1434744_at | Yrdc | yrdC domain containing (<i>E.coli</i>) | 0.424 | 0.0006454 |
| 1424697_at | Dtwd1 | DTW domain containing 1 | 0.424 | 0.0022508 |
| 1439371_x_at | Timm44 | translocase of inner mitochondrial membrane 44 | 0.424 | 0.0007513 |
| 1428551_at | Trmt11 | tRNA methyltransferase 11 homolog (<i>S.</i> <i>cerevisiae</i>) | 0.424 | 0.0107161 |
| 1434211_at | Sh3bgrl2 | SH3 domain binding glutamic acid-rich protein like 2 | 0.424 | 0.0222333 |
| 1416726_s_at | Ube2s | ubiquitin- conjugating enzyme E2S | 0.424 | 0.0005987 |
| 1448212_at | Psmg2 | proteasome (prosome, macropain) assembly chaperone 2 | 0.424 | 0.0006398 |

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|--------------|---------------|--|-------|-----------|
| 1438750_at | Atrx | alpha thalassemia/mental retardation syndrome X-linked homolog (human) | 0.424 | 0.0154909 |
| 1450943_at | Magohb | mago-nashi homolog B (Drosophila) | 0.425 | 0.000552 |
| 1423157_at | Gnpnat1 | glucosamine-phosphate N-acetyltransferase 1 | 0.425 | 0.0009083 |
| 1430717_at | 4930403C10Rik | RIKEN cDNA 4930403C10 gene | 0.425 | 0.0021331 |
| 1437210_a_at | Brd2 | bromodomain containing 2 | 0.425 | 0.0070945 |
| 1437593_x_at | Api5 | apoptosis inhibitor 5 | 0.425 | 0.0028724 |
| 1433913_at | C80913 | expressed sequence C80913 | 0.425 | 0.0005864 |
| 1460175_at | Rps23 | ribosomal protein S23 | 0.426 | 0.0005136 |
| 1419472_s_at | Nudc | nuclear distribution gene C homolog (Aspergillus) | 0.426 | 0.0006948 |
| 1430053_a_at | Ola1 | Obg-like ATPase 1 | 0.426 | 0.0004701 |
| 1437811_x_at | NA | NA | 0.426 | 0.0006715 |
| 1427661_a_at | Tssc4 | tumor-suppressing subchromosomal transferable fragment 4 | 0.426 | 0.0272924 |
| 1435413_x_at | 2700060E02Rik | RIKEN cDNA 2700060E02 gene | 0.426 | 0.0005849 |
| 1426555_at | Scpep1 | serine carboxypeptidase 1 | 0.426 | 0.0019071 |
| 1424802_a_at | 3300001P08Rik | RIKEN cDNA 3300001P08 gene | 0.426 | 0.0005385 |
| 1439453_x_at | Rnaseh2c | ribonuclease H2, subunit C | 0.426 | 0.0006598 |

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| 1437192_x_at | Mt2 | metallothionein 2 | 0.426 | 0.0015947 |
| 1430125_s_at | Pqlc1 | PQ loop repeat containing 1 | 0.426 | 0.0046651 |
| 1419912_s_at | Strap | serine/threonine kinase receptor associated protein | 0.426 | 0.0004647 |
| 1429581_at | Acad9 | acyl-Coenzyme A dehydrogenase family, member 9 | 0.427 | 0.0021522 |
| 1430147_a_at | Josd3 | Josephin domain containing 3 | 0.427 | 0.0023405 |
| 1432650_at | 2510019K15Rik | RIKEN cDNA 2510019K15 gene | 0.427 | 0.002503 |
| 1453848_s_at | Zbed3 | zinc finger, BED domain containing 3 | 0.427 | 0.0356991 |
| 1417619_at | Gadd45gip1 | growth arrest and DNA-damage-inducible, gamma interacting protein 1 | 0.427 | 0.0006353 |
| 1451254_at | Ikbpap | inhibitor of kappa light polypeptide enhancer in B-cells, kinase complex-associated protein | 0.427 | 0.0009159 |
| 1424465_at | Ccdc58 | coiled-coil domain containing 58 | 0.427 | 0.0015051 |
| 1424107_at | Kif18a | kinesin family member 18A | 0.428 | 0.0185236 |
| 1427903_at | Phpt1 | phosphohistidine phosphatase 1 | 0.428 | 0.0036752 |
| 1452614_at | Bcl2l15 | BCL2-like 15 | 0.428 | 0.0018548 |
| 1421664_a_at | Styx | serine/threonine/tyrosine interaction protein | 0.428 | 0.0007471 |

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|---------------------|-------------------|--|-------|-----------|
| 1434111_at | LOC100048050 | similar to calcium-independent alpha-latrotoxin receptor homolog 2 | 0.429 | 0.0069767 |
| 1424243_at | Rwdd4a | RWD domain containing 4A | 0.429 | 0.0021509 |
| AFFX-r2-Bs-phe-3_at | NA | NA | 0.429 | 0.0374571 |
| 1416544_at | Ezh2 | enhancer of zeste homolog 2 (Drosophila) | 0.429 | 0.0005226 |
| 1459861_s_at | OTTMUSG0000006609 | predicted gene, OTTMUSG0000006609 | 0.430 | 0.0014945 |
| 1451348_at | Depdc6 | DEP domain containing 6 | 0.430 | 0.0037219 |
| 1416202_at | Phb2 | prohibitin 2 | 0.430 | 0.0033061 |
| 1415973_at | Marcks | myristoylated alanine rich protein kinase C substrate | 0.430 | 0.0012496 |
| 1423767_at | Dpy30 | dpy-30 homolog (C. elegans) | 0.430 | 0.000476 |
| 1415820_x_at | Nono | non-POU-domain-containing, octamer binding protein | 0.431 | 0.0005141 |
| 1456308_x_at | Trim28 | tripartite motif-containing 28 | 0.431 | 0.0004976 |
| AFFX-LysX-3_at | NA | NA | 0.431 | 0.0359549 |
| 1449661_at | Suz12 | suppressor of zeste 12 homolog (Drosophila) | 0.431 | 0.0339465 |
| 1453928_a_at | Ssb | Sjogren syndrome antigen B | 0.432 | 0.0053998 |
| 1415926_at | Nup62 | nucleoporin 62 | 0.432 | 0.0014006 |
| 1437622_x_at | Mrpl28 | mitochondrial ribosomal protein L28 | 0.432 | 0.0010227 |

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| 1440120_at | Gnb2l1 | guanine nucleotide binding protein (G protein), beta polypeptide 2 like 1 | 0.432 | 0.0080219 |
| 1417053_at | Phb | prohibitin | 0.432 | 0.0057617 |
| 1420488_at | Mrps14 | mitochondrial ribosomal protein S14 | 0.433 | 0.0061968 |
| 1448344_at | Rps12 | ribosomal protein S12 | 0.433 | 0.0004735 |
| 1449935_a_at | Dnaja3 | DnaJ (Hsp40) homolog, subfamily A, member 3 | 0.433 | 0.003827 |
| 1417081_a_at | Syngn2 | synaptogyrin 2 | 0.433 | 0.0006012 |
| 1454214_a_at | Znhit6 | zinc finger, HIT type 6 | 0.433 | 0.0035382 |
| 1435856_x_at | Smarca1 | SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily b, member 1 | 0.433 | 0.0054183 |
| 1435380_at | Cox10 | COX10 homolog, cytochrome c oxidase assembly protein, heme A: farnesyltransferase (yeast) | 0.433 | 0.0011883 |
| 1426788_a_at | Ssrp1 | structure specific recognition protein 1 | 0.434 | 0.0006002 |
| AFFX-ThrX-3_at | NA | NA | 0.434 | 0.0438893 |
| 1451166_a_at | Ccdc101 | coiled-coil domain containing 101 | 0.434 | 0.0033891 |
| 1434687_at | C730026J16 | hypothetical protein C730026J16 | 0.434 | 0.0119678 |

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| 1426155_a_at | Osr2 | odd-skipped related 2 (Drosophila) | 0.434 | 0.0069548 |
| 1447174_at | NA | NA | 0.434 | 0.0312156 |
| 1452774_at | Hnrnpa3 | heterogeneous nuclear ribonucleoprotein A3 | 0.434 | 0.0008263 |
| 1419824_a_at | Aasdh | aminoadipate-semialdehyde dehydrogenase | 0.434 | 0.0011221 |
| 1435521_at | Msi2 | Musashi homolog 2 (Drosophila) | 0.435 | 0.0016276 |
| 1447676_x_at | S100a16 | S100 calcium binding protein A16 | 0.435 | 0.0055006 |
| 1423512_at | AW209491 | expressed sequence AW209491 | 0.435 | 0.0132517 |
| 1454681_at | Rbm35a | RNA binding motif protein 35A | 0.435 | 0.0016234 |
| 1447537_at | 1500032P08Rik | RIKEN cDNA 1500032P08 gene | 0.435 | 0.0210933 |
| 1429558_a_at | Larp7 | La ribonucleoprotein domain family, member 7 | 0.435 | 0.0013121 |
| 1416335_at | Mif | macrophage migration inhibitory factor | 0.435 | 0.0034156 |
| 1416404_s_at | Rps16 | ribosomal protein S16 | 0.435 | 0.0005362 |
| 1416669_s_at | Naca | nascent polypeptide-associated complex alpha polypeptide | 0.436 | 0.0006765 |
| 1450084_s_at | Ivns1abp | influenza virus NS1A binding protein | 0.436 | 0.0009399 |
| 1428100_at | Sfrs1 | splicing factor, arginine/serine-rich 1 (ASF/SF2) | 0.436 | 0.0008865 |

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| 1423723_s_at | Tardbp | TAR DNA binding protein | 0.436 | 0.0008366 |
| 1439012_a_at | Dck | deoxycytidine kinase | 0.436 | 0.0088384 |
| 1435725_x_at | Rpl12 | ribosomal protein L12 | 0.436 | 0.0005232 |
| 1435178_x_at | Anapc5 | anaphase-promoting complex subunit 5 | 0.437 | 0.0008763 |
| 1434420_x_at | Tomm22 | translocase of outer mitochondrial membrane 22 homolog (yeast) | 0.437 | 0.004677 |
| 1448563_at | Phb | prohibitin | 0.437 | 0.0020922 |
| 1417274_at | Snrpa | small nuclear ribonucleoprotein polypeptide A | 0.437 | 0.0043603 |
| 1429490_at | Rif1 | Rap1 interacting factor 1 homolog (yeast) | 0.438 | 0.018591 |
| 1417629_at | Prodh | proline dehydrogenase | 0.438 | 0.012607 |
| 1426659_a_at | Rpl23a | ribosomal protein L23a | 0.438 | 0.0004975 |
| 1438561_x_at | Tmem180 | transmembrane protein 180 | 0.438 | 0.0007122 |
| 1449019_at | Akap1 | A kinase (PRKA) anchor protein 1 | 0.438 | 0.0047917 |
| 1422524_at | Abcb6 | ATP-binding cassette, sub-family B (MDR/TAP), member 6 | 0.439 | 0.0046118 |
| 1429056_at | Narg1l | NMDA receptor regulated 1-like | 0.439 | 0.0036375 |

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| 1420037_at | Atp5a1 | ATP synthase, H ⁺ transporting, mitochondrial F1 complex, alpha subunit, isoform 1 | 0.439 | 0.0050695 |
| 1428529_at | 2810026P18Rik | RIKEN cDNA 2810026P18 gene | 0.439 | 0.0008971 |
| 1451175_at | Spcs3 | signal peptidase complex subunit 3 homolog (S. cerevisiae) | 0.439 | 0.002035 |
| 1418777_at | Ccl25 | chemokine (C-C motif) ligand 25 | 0.439 | 0.0325523 |
| 1456738_s_at | Brp16 | brain protein 16 | 0.439 | 0.0009665 |
| 1423317_at | 3110001D03Rik | RIKEN cDNA 3110001D03 gene | 0.440 | 0.0012038 |
| 1417354_at | Sil1 | endoplasmic reticulum chaperone SIL1 homolog (S. cerevisiae) | 0.440 | 0.0028008 |
| 1426389_at | Camk1d | calcium/calmodulin-dependent protein kinase ID | 0.440 | 0.0027288 |
| 1449161_at | Edn2 | endothelin 2 | 0.440 | 0.0214569 |
| 1417615_a_at | Rpl11 | ribosomal protein L11 | 0.440 | 0.0007638 |
| 1437706_x_at | Rps14 | ribosomal protein S14 | 0.440 | 0.0007219 |
| 1456717_at | NA | NA | 0.441 | 0.0040172 |
| 1448126_at | Fam60a | family with sequence similarity 60, member A | 0.441 | 0.0017198 |
| 1433822_x_at | Anapc5 | anaphase-promoting complex subunit 5 | 0.441 | 0.0038253 |
| 1416890_at | Wdr74 | WD repeat domain 74 | 0.441 | 0.0012351 |

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| 1456695_x_at | Anapc5 | anaphase-promoting complex subunit 5 | 0.441 | 0.0009014 |
| 1455800_x_at | Samm50 | sorting and assembly machinery component 50 homolog (S. cerevisiae) | 0.441 | 0.0014357 |
| 1460547_a_at | Hnrnpk | heterogeneous nuclear ribonucleoprotein K | 0.441 | 0.0011997 |
| 1428234_at | Cpsf6 | cleavage and polyadenylation specific factor 6 | 0.441 | 0.0054888 |
| 1427441_a_at | Suclg2 | succinate-Coenzyme A ligase, GDP-forming, beta subunit | 0.441 | 0.0018013 |
| 1435341_at | Ppig | peptidyl-prolyl isomerase G (cyclophilin G) | 0.441 | 0.0081477 |
| 1455900_x_at | Tgm2 | transglutaminase 2, C polypeptide | 0.441 | 0.005465 |
| 1452011_a_at | Uxs1 | UDP-glucuronate decarboxylase 1 | 0.442 | 0.0047349 |
| 1416393_at | Emg1 | EMG1 nucleolar protein homolog (S. cerevisiae) | 0.442 | 0.0009055 |
| 1434216_a_at | Nudt19 | nudix (nucleoside diphosphate linked moiety X)-type motif 19 | 0.442 | 0.0070872 |
| 1424110_a_at | Nme1 | non-metastatic cells 1, protein (NM23A) expressed in | 0.442 | 0.0013662 |

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| 1418527_a_at | Fusip1 | FUS interacting protein (serine-arginine rich) 1 | 0.442 | 0.0009548 |
| 1422653_at | Cep70 | centrosomal protein 70 | 0.442 | 0.0032428 |
| 1442511_at | Ipo7 | importin 7 | 0.443 | 0.0153314 |
| 1437288_at | Impad1 | inositol monophosphatase domain containing 1 | 0.443 | 0.0045778 |
| 1428233_at | Cpsf6 | cleavage and polyadenylation specific factor 6 | 0.443 | 0.0009366 |
| 1419461_at | Rpp14 | ribonuclease P 14 subunit (human) | 0.443 | 0.000612 |
| 1423277_at | Ptpkr | protein tyrosine phosphatase, receptor type, K | 0.443 | 0.0038944 |
| 1437193_s_at | Snrpb | small nuclear ribonucleoprotein B | 0.443 | 0.0007808 |
| 1416892_s_at | 3110001A13Rik | RIKEN cDNA 3110001A13 gene | 0.444 | 0.0015606 |
| 1449121_at | Fusip1 | FUS interacting protein (serine-arginine rich) 1 | 0.444 | 0.0005781 |
| 1417264_at | Coq5 | coenzyme Q5 homolog, methyltransferase (yeast) | 0.444 | 0.0009846 |
| 1426407_at | Cugbp1 | CUG triplet repeat, RNA binding protein 1 | 0.444 | 0.0084617 |
| 1417517_at | Plagl2 | pleiomorphic adenoma gene-like 2 | 0.444 | 0.0138583 |
| 1420984_at | Pctp | phosphatidylcholine transfer protein | 0.444 | 0.000695 |

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| 1438156_x_at | Cpt1a | carnitine palmitoyltransferase 1a, liver | 0.444 | 0.0009148 |
| 1424161_at | Ddx27 | DEAD (Asp-Glu-Ala-Asp) box polypeptide 27 | 0.444 | 0.0020807 |
| 1435509_x_at | LOC100047490 | similar to putative oral cancer suppressor | 0.444 | 0.0006118 |
| 1433960_at | Isg20l2 | interferon stimulated exonuclease gene 20-like 2 | 0.445 | 0.0022274 |
| 1447046_at | NA | NA | 0.445 | 0.0027632 |
| 1416319_at | Adk | adenosine kinase | 0.445 | 0.0056331 |
| 1428734_at | 3200002M19 Rik | RIKEN cDNA 3200002M19 gene | 0.445 | 0.0070788 |
| 1450646_at | Cyp51 | cytochrome P450, family 51 | 0.445 | 0.0022321 |
| 1452923_at | Ndufaf2 | NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, assembly factor 2 | 0.445 | 0.0012052 |
| 1449582_at | Cdx1 | caudal type homeo box 1 | 0.445 | 0.0071921 |
| 1452198_at | Fbxl10 | F-box and leucine rich repeat protein 10 | 0.445 | 0.0059552 |
| 1428153_at | Mrps10 | mitochondrial ribosomal protein S10 | 0.445 | 0.001791 |
| 1415775_at | Rbbp7 | retinoblastoma binding protein 7 | 0.445 | 0.0009512 |
| 1456383_at | Rsl1d1 | ribosomal L1 domain containing 1 | 0.445 | 0.000661 |
| 1458355_x_at | Wdr92 | WD repeat domain 92 | 0.446 | 0.003364 |
| 1427126_at | Hspa1b | heat shock protein 1B | 0.446 | 0.0241758 |

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|--------------|-------------------|---|-------|-----------|
| 1448400_a_at | Smarcd2 | SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 2 | 0.446 | 0.0022944 |
| 1452354_at | 2810459M11 Rik | RIKEN cDNA 2810459M11 gene | 0.446 | 0.0028562 |
| 1460314_s_at | Hist2h3c1 | histone cluster 2, H3c1 | 0.446 | 0.0082389 |
| 1417681_at | Nudt21 | nudix (nucleoside diphosphate linked moiety X)-type motif 21 | 0.446 | 0.0012264 |
| 1426749_at | Prmt3 | protein arginine N-methyltransferase 3 | 0.446 | 0.0019149 |
| 1437032_x_at | Rbm14 | RNA binding motif protein 14 | 0.447 | 0.0034598 |
| 1449120_a_at | Pcm1 | pericentriolar material 1 | 0.447 | 0.0250877 |
| 1427197_at | Atr | ataxia telangiectasia and Rad3 related | 0.447 | 0.0065 |
| 1417135_at | Srpk2 | serine/arginine-rich protein specific kinase 2 | 0.447 | 0.0171576 |
| 1453380_a_at | Xrcc6bp1 | XRCC6 binding protein 1 | 0.447 | 0.0032691 |
| 1416217_a_at | Rpl37a | ribosomal protein L37a | 0.447 | 0.0006456 |
| 1415945_at | Mcm5 | minichromosome maintenance deficient 5, cell division cycle 46 (<i>S. cerevisiae</i>) | 0.447 | 0.0043634 |
| 1415950_a_at | Pebp1 | phosphatidylethanolamine binding protein 1 | 0.447 | 0.0014069 |

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|--------------|---------------|--|-------|-----------|
| 1416031_s_at | Mcm7 | minichromosome maintenance deficient 7 (S. cerevisiae) | 0.448 | 0.0014747 |
| 1425177_at | Shmt1 | serine hydroxymethyltransferase 1 (soluble) | 0.448 | 0.0236552 |
| 1429270_a_at | Syce2 | synaptonemal complex central element protein 2 | 0.448 | 0.0027812 |
| 1436586_x_at | Rps14 | ribosomal protein S14 | 0.448 | 0.0007766 |
| 1416256_a_at | Tubb5 | tubulin, beta 5 | 0.448 | 0.0008288 |
| 1437250_at | Mreg | melanoregulin | 0.448 | 0.0130527 |
| 1417718_at | Eif3g | eukaryotic translation initiation factor 3, subunit G | 0.449 | 0.0019258 |
| 1438267_x_at | Rnps1 | ribonucleic acid binding protein S1 | 0.449 | 0.000648 |
| 1417608_a_at | Rpl13a | ribosomal protein L13a | 0.449 | 0.0006856 |
| 1423740_a_at | Rbm10 | RNA binding motif protein 10 | 0.449 | 0.0012135 |
| 1437074_at | Snx5 | sorting nexin 5 | 0.449 | 0.0098805 |
| 1456028_x_at | Marcks | myristoylated alanine rich protein kinase C substrate | 0.449 | 0.0071006 |
| 1418521_a_at | Mtx1 | metaxin 1 | 0.449 | 0.0009587 |
| 1438159_x_at | Ndufv2 | NADH dehydrogenase (ubiquinone) flavoprotein 2 | 0.449 | 0.0007382 |
| 1433898_at | NA | NA | 0.449 | 0.0260549 |
| 1439678_at | NA | NA | 0.449 | 0.0057394 |
| 1431521_at | 5033428B15R1k | RIKEN cDNA 5033428B15 gene | 0.450 | 0.0173106 |

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|--------------|-------------|---|-------|-----------|
| 1424980_s_at | Aph1a | anterior pharynx defective 1a homolog (C. elegans) | 0.450 | 0.0058866 |
| 1416065_a_at | Ankrd10 | ankyrin repeat domain 10 | 0.450 | 0.0018741 |
| 1437391_x_at | Mrpl44 | mitochondrial ribosomal protein L44 | 0.450 | 0.0013915 |
| 1449749_s_at | Tfb1m | transcription factor B1, mitochondrial | 0.451 | 0.0041743 |
| 1423079_a_at | Tomm20 | translocase of outer mitochondrial membrane 20 homolog (yeast) | 0.451 | 0.0016161 |
| 1460323_at | Tars | threonyl-tRNA synthetase | 0.451 | 0.0015179 |
| 1424468_s_at | Phldb1 | pleckstrin homology-like domain, family B, member 1 | 0.451 | 0.0011977 |
| 1429710_at | Styx | serine/threonine/tyrosine interaction protein | 0.451 | 0.0010734 |
| 1438368_a_at | Matr3 | matrin 3 | 0.452 | 0.0075384 |
| 1416868_at | Cdkn2c | cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4) | 0.452 | 0.0031708 |
| 1416783_at | Tac1 | tachykinin 1 | 0.452 | 0.0015679 |
| 1430978_at | Rps25 | ribosomal protein S25 | 0.452 | 0.0052711 |
| 1423211_at | Nola3 | nucleolar protein family A, member 3 | 0.452 | 0.0025888 |
| 1426932_at | D19Bwg1357e | DNA segment, Chr 19, Brigham & Women@#\$%&s Genetics 1357 expressed | 0.452 | 0.0040714 |

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|---------------------|---------|--|-------|-----------|
| 1439058_at | Sfpq | splicing factor proline/glutamine rich (polypyrimidine tract binding protein associated) | 0.453 | 0.019427 |
| 1417239_at | Cetn3 | centrin 3 | 0.453 | 0.0007205 |
| 1437133_x_at | Akr1b3 | aldo-keto reductase family 1, member B3 (aldose reductase) | 0.453 | 0.0050423 |
| 1448130_at | Fdft1 | farnesyl diphosphate farnesyl transferase 1 | 0.453 | 0.0037529 |
| 1453206_at | Acad9 | acyl-Coenzyme A dehydrogenase family, member 9 | 0.453 | 0.0075208 |
| 1437565_a_at | Gnl2 | guanine nucleotide binding protein-like 2 (nucleolar) | 0.453 | 0.0046221 |
| 1422533_at | Cyp51 | cytochrome P450, family 51 | 0.453 | 0.0035569 |
| 1438510_a_at | Hars | histidyl-tRNA synthetase | 0.453 | 0.0008152 |
| 1456632_at | Bcl11a | B-cell CLL/lymphoma 11A (zinc finger protein) | 0.453 | 0.006595 |
| 1452241_at | Topbp1 | topoisomerase (DNA) II binding protein 1 | 0.453 | 0.0017701 |
| 1455840_at | Rapgef5 | Rap guanine nucleotide exchange factor (GEF) 5 | 0.453 | 0.006159 |
| AFFX-r2-Bs-dap-M_at | NA | NA | 0.454 | 0.0417939 |

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|--------------|---------------|--|-------|-----------|
| 1420129_s_at | D10Wsu52e | DNA segment, Chr 10, Wayne State University 52, expressed | 0.454 | 0.0007509 |
| 1444472_at | NA | NA | 0.454 | 0.0077466 |
| 1455095_at | Hist2h2be | histone cluster 2, H2be | 0.454 | 0.003848 |
| 1455643_s_at | Tsr1 | TSR1, 20S rRNA accumulation, homolog (yeast) | 0.454 | 0.0043224 |
| 1436760_a_at | Rps8 | ribosomal protein S8 | 0.454 | 0.0007908 |
| 1448808_a_at | Nme2 | non-metastatic cells 2, protein (NM23B) expressed in | 0.454 | 0.0036837 |
| 1416569_at | Actl6a | actin-like 6A | 0.454 | 0.0061442 |
| 1424573_at | Tmed5 | transmembrane emp24 protein transport domain containing 5 | 0.454 | 0.0024177 |
| 1438018_at | Hook1 | hook homolog 1 (Drosophila) | 0.454 | 0.0024248 |
| 1415716_a_at | Rps27 | ribosomal protein S27 | 0.455 | 0.0035505 |
| 1428475_at | 1190005P17Rik | RIKEN cDNA 1190005P17 gene | 0.455 | 0.0013486 |
| 1433567_at | Gmps | guanine monphosphate synthetase | 0.455 | 0.0026549 |
| 1449945_at | Ppargc1b | peroxisome proliferative activated receptor, gamma, coactivator 1 beta | 0.455 | 0.0032407 |
| 1441870_s_at | Pkd2 | polycystic kidney disease 2 | 0.455 | 0.0042894 |

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|--------------|---------|---|-------|-----------|
| 1442793_s_at | Tbrg4 | transforming growth factor beta regulated gene 4 | 0.455 | 0.0009096 |
| 1415692_s_at | Canx | calnexin | 0.455 | 0.0209718 |
| 1451090_a_at | Eif2s3x | eukaryotic translation initiation factor 2, subunit 3, structural gene X-linked | 0.456 | 0.0008237 |
| 1435843_x_at | Mrps9 | mitochondrial ribosomal protein S9 | 0.456 | 0.0042975 |
| 1425142_a_at | Hnrnpd | heterogeneous nuclear ribonucleoprotein D | 0.456 | 0.0008501 |
| 1456664_x_at | Hnrnpf | heterogeneous nuclear ribonucleoprotein F | 0.456 | 0.0040296 |
| 1442044_at | NA | NA | 0.456 | 0.001526 |
| 1418289_at | Nes | nestin | 0.456 | 0.007977 |
| 1455546_s_at | Sf3a2 | splicing factor 3a, subunit 2 | 0.456 | 0.0042549 |
| 1438563_s_at | Mrps24 | mitochondrial ribosomal protein S24 | 0.456 | 0.0014393 |
| 1417352_s_at | Snrpa1 | small nuclear ribonucleoprotein polypeptide A@#\$%& | 0.457 | 0.0027617 |
| 1426163_x_at | Rpl7 | ribosomal protein L7 | 0.457 | 0.0011439 |
| 1416284_at | Mrpl28 | mitochondrial ribosomal protein L28 | 0.457 | 0.0014016 |
| 1420946_at | Atrx | alpha thalassemia/mental retardation syndrome X-linked homolog (human) | 0.457 | 0.0164362 |
| 1418896_a_at | Rpn2 | ribophorin II | 0.457 | 0.0077768 |

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|--------------|---------------|---|-------|-----------|
| 1448720_at | Lrrc40 | leucine rich repeat containing 40 | 0.457 | 0.0007787 |
| 1428853_at | Ptch1 | patched homolog 1 | 0.458 | 0.0044331 |
| 1423291_s_at | Hyou1 | hypoxia up-regulated 1 | 0.458 | 0.0013865 |
| 1425196_a_at | Hint2 | histidine triad nucleotide binding protein 2 | 0.458 | 0.0015378 |
| 1455174_at | Rps19bp1 | ribosomal protein S19 binding protein 1 | 0.458 | 0.010754 |
| 1437413_x_at | Rps29 | ribosomal protein S29 | 0.458 | 0.0007623 |
| 1420846_at | Mrps2 | mitochondrial ribosomal protein S2 | 0.458 | 0.0042928 |
| 1426342_at | Stt3b | STT3, subunit of the oligosaccharyltransferase complex, homolog B (S. cerevisiae) | 0.458 | 0.0058958 |
| 1415888_at | Hdgf | hepatoma-derived growth factor | 0.459 | 0.001124 |
| 1447993_a_at | Snhg10 | small nucleolar RNA host gene (non-protein coding) 10 | 0.459 | 0.0015778 |
| 1448513_a_at | Npc2 | Niemann Pick type C2 | 0.459 | 0.0009041 |
| 1428029_a_at | H2afv | H2A histone family, member V | 0.459 | 0.0015476 |
| 1443088_at | 9930031P18Rik | RIKEN cDNA 9930031P18 gene | 0.459 | 0.0018057 |
| 1415914_at | Hnrnpab | heterogeneous nuclear ribonucleoprotein A/B | 0.460 | 0.0016873 |
| 1437984_x_at | Bat1a | HLA-B-associated transcript 1A | 0.460 | 0.0016811 |
| 1430038_at | Gphn | gephyrin | 0.460 | 0.0149103 |

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|--------------|-------------------|---|-------|-----------|
| 1417921_at | 2610029G23 Rik | RIKEN cDNA 2610029G23 gene | 0.460 | 0.0008294 |
| 1448882_at | Tmem93 | transmembrane protein 93 | 0.460 | 0.0009707 |
| 1448704_s_at | H47 | histocompatibility 47 | 0.460 | 0.0009914 |
| 1438562_a_at | Ptpn2 | protein tyrosine phosphatase, non receptor type 2 | 0.460 | 0.0022772 |
| 1448157_s_at | Rpl10 | ribosomal protein 10 | 0.461 | 0.0016474 |
| 1417258_at | Cct5 | chaperonin containing Tcp1, subunit 5 (epsilon) | 0.461 | 0.0019573 |
| 1429739_a_at | Patz1 | POZ (BTB) and AT hook containing zinc finger 1 | 0.461 | 0.0107928 |
| 1448103_s_at | Nono | non-POU-domain- containing, octamer binding protein | 0.461 | 0.0011 |
| 1440621_at | NA | NA | 0.461 | 0.0113304 |
| 1451088_a_at | Oxa11 | oxidase assembly 1-like | 0.461 | 0.019752 |
| 1439393_x_at | Ppp2r4 | protein phosphatase 2A, regulatory subunit B (PR 53) | 0.462 | 0.007718 |
| 1433746_at | Wdr3 | WD repeat domain 3 | 0.462 | 0.0015714 |
| 1438391_x_at | Hsd17b10 | hydroxysteroid (17-beta) dehydrogenase 10 | 0.462 | 0.0073311 |
| 1427482_a_at | Car8 | carbonic anhydrase 8 | 0.462 | 0.0113356 |
| 1454890_at | Amot | angiomin | 0.462 | 0.0040626 |

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|----------------|--------|---|-------|-----------|
| 1434941_s_at | Esf1 | ESF1, nucleolar pre-rRNA processing protein, homolog (S. cerevisiae) | 0.462 | 0.0010981 |
| 1438527_at | Rpl3 | ribosomal protein L3 | 0.462 | 0.0077868 |
| 1451170_s_at | Nomo1 | nodal modulator 1 | 0.462 | 0.006204 |
| 1423441_at | Tfb2m | transcription factor B2, mitochondrial | 0.462 | 0.0056065 |
| 1450372_a_at | Rpl18 | ribosomal protein L18 | 0.463 | 0.0019301 |
| AFFX-DapX-M_at | NA | NA | 0.463 | 0.0433381 |
| 1424942_a_at | Myc | myelocytomatosis oncogene | 0.463 | 0.0131385 |
| 1448142_x_at | Rps13 | ribosomal protein S13 | 0.463 | 0.0012512 |
| 1456698_s_at | Hnrpdl | heterogeneous nuclear ribonucleoprotein D-like | 0.463 | 0.0040663 |
| 1429329_at | Cox10 | COX10 homolog, cytochrome c oxidase assembly protein, heme A: farnesyltransferase (yeast) | 0.463 | 0.0015557 |
| 1452635_x_at | Josd3 | Josephin domain containing 3 | 0.463 | 0.0013696 |
| 1422778_at | Taf9 | TAF9 RNA polymerase II, TATA box binding protein (TBP)-associated factor | 0.463 | 0.0012867 |
| 1423735_a_at | Wdr36 | WD repeat domain 36 | 0.463 | 0.0016693 |
| 1448896_at | Pigf | phosphatidylinositol glycan anchor biosynthesis, class F | 0.464 | 0.0046217 |

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|--------------|----------------|--|-------|-----------|
| 1417763_at | Ssr1 | signal sequence receptor, alpha | 0.464 | 0.0028519 |
| 1416155_at | Hmgb3 | high mobility group box 3 | 0.464 | 0.0030458 |
| 1439572_at | NA | NA | 0.464 | 0.0318952 |
| 1437199_at | Dusp5 | dual specificity phosphatase 5 | 0.465 | 0.002723 |
| 1456131_x_at | Dag1 | dystroglycan 1 | 0.465 | 0.0275826 |
| 1418507_s_at | Socs2 | suppressor of cytokine signaling 2 | 0.465 | 0.0044349 |
| 1426087_at | Icosl | icos ligand | 0.465 | 0.0307335 |
| 1433516_a_at | Myeov2 | myeloma overexpressed 2 | 0.465 | 0.0037394 |
| 1451470_s_at | Eif5a | eukaryotic translation initiation factor 5A | 0.465 | 0.0015425 |
| 1452866_at | Nars | asparaginyl-tRNA synthetase | 0.465 | 0.0022695 |
| 1418943_at | B230120H23 Rik | RIKEN cDNA B230120H23 gene | 0.466 | 0.0180059 |
| 1451103_at | D14Ert500e | DNA segment, Chr 14, ERATO Doi 500, expressed | 0.466 | 0.0014355 |
| 1441023_at | Eif2s2 | eukaryotic translation initiation factor 2, subunit 2 (beta) | 0.466 | 0.0034118 |
| 1417380_at | Iqgap1 | IQ motif containing GTPase activating protein 1 | 0.466 | 0.0012135 |
| 1423131_at | 5730427N09Rik | RIKEN cDNA 5730427N09 gene | 0.466 | 0.0019284 |

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|--------------|---------------|---|-------|-----------|
| 1438516_at | Rif1 | Rap1 interacting factor 1 homolog (yeast) | 0.467 | 0.0083037 |
| 1428942_at | Mt2 | metallothionein 2 | 0.467 | 0.0080469 |
| 1438477_a_at | Mcee | methylmalonyl CoA epimerase | 0.467 | 0.0070696 |
| 1424620_at | D13Wsu177e | DNA segment, Chr 13, Wayne State University 177, expressed | 0.467 | 0.0064505 |
| 1418869_a_at | Pus1 | pseudouridine synthase 1 | 0.467 | 0.001214 |
| 1422884_at | Snrpd3 | small nuclear ribonucleoprotein D3 | 0.467 | 0.0015928 |
| 1424098_at | Elov17 | ELOVL family member 7, elongation of long chain fatty acids (yeast) | 0.467 | 0.018892 |
| 1457472_at | Gigyf2 | GRB10 interacting GYF protein 2 | 0.468 | 0.0449153 |
| 1416070_a_at | Ddx18 | DEAD (Asp-Glu-Ala-Asp) box polypeptide 18 | 0.468 | 0.0241729 |
| 1433893_s_at | Spag5 | sperm associated antigen 5 | 0.468 | 0.0034937 |
| 1458710_at | NA | NA | 0.468 | 0.0042227 |
| 1447936_at | 2410006H16Rik | RIKEN cDNA 2410006H16 gene | 0.469 | 0.0028628 |
| 1435923_at | Ado | 2-aminoethanethiol (cysteamine) dioxygenase | 0.469 | 0.0052233 |
| 1429433_at | Bat2d | BAT2 domain containing 1 | 0.469 | 0.008854 |
| 1434011_a_at | Ints5 | integrator complex subunit 5 | 0.469 | 0.001081 |

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|----------------|---------|---|-------|-----------|
| AFFX-DapX-3_at | NA | NA | 0.469 | 0.0394814 |
| 1421557_x_at | Txn2 | thioredoxin 2 | 0.470 | 0.0036295 |
| 1417947_at | Pcna | proliferating cell nuclear antigen | 0.470 | 0.0024405 |
| 1438315_x_at | Akr7a5 | aldo-keto reductase family 7, member A5 (aflatoxin aldehyde reductase) | 0.470 | 0.003877 |
| 1415750_at | Tbl3 | transducin (beta)-like 3 | 0.470 | 0.0014994 |
| 1456117_at | Rrp1b | ribosomal RNA processing 1 homolog B (S. cerevisiae) | 0.470 | 0.0016302 |
| 1423564_a_at | Paics | phosphoribosylaminoimidazole carboxylase, phosphoribosylaminoribosylaminoimidazole, succinocarboxamide synthetase | 0.470 | 0.0028111 |
| 1418119_at | Rbm8a | RNA binding motif protein 8a | 0.471 | 0.0013952 |
| 1457281_at | Dnajc21 | DnaJ (Hsp40) homolog, subfamily C, member 21 | 0.471 | 0.0230777 |
| 1416577_a_at | Rbx1 | ring-box 1 | 0.471 | 0.0056745 |
| 1428262_s_at | Hnrnpa3 | heterogeneous nuclear ribonucleoprotein A3 | 0.471 | 0.0043656 |
| 1438292_x_at | Adk | adenosine kinase | 0.471 | 0.0060136 |
| 1428588_a_at | Mrpl41 | mitochondrial ribosomal protein L41 | 0.471 | 0.0028502 |
| 1455679_at | NA | NA | 0.471 | 0.0106224 |

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| 1424291_at | Nup93 | nucleoporin 93 | 0.471 | 0.0021939 |
| 1434232_a_at | 2610030H06Rik | RIKEN cDNA 2610030H06 gene | 0.472 | 0.0022746 |
| 1437838_x_at | Grsf1 | G-rich RNA sequence binding factor 1 | 0.472 | 0.0010501 |
| 1429587_at | Rbm34 | RNA binding motif protein 34 | 0.472 | 0.0053939 |
| 1416581_at | Wdr5 | WD repeat domain 5 | 0.472 | 0.0010091 |
| 1448226_at | Rrm2 | ribonucleotide reductase M2 | 0.472 | 0.0023371 |
| 1423648_at | Pdia6 | protein disulfide isomerase associated 6 | 0.472 | 0.0050751 |
| 1460432_a_at | Eif3e | eukaryotic translation initiation factor 3, subunit E | 0.472 | 0.0011543 |
| 1438495_at | Top1 | topoisomerase (DNA) I | 0.472 | 0.0086195 |
| 1423421_at | Ankrd49 | ankyrin repeat domain 49 | 0.472 | 0.0023482 |
| 1451641_at | Dbr1 | debranching enzyme homolog 1 (<i>S. cerevisiae</i>) | 0.472 | 0.0011965 |
| 1427214_at | Agmat | agmatine ureohydrolase (agmatinase) | 0.472 | 0.0126893 |
| 1437982_x_at | Cox15 | COX15 homolog, cytochrome c oxidase assembly protein (yeast) | 0.473 | 0.0104604 |
| 1451509_at | Taf9 | TAF9 RNA polymerase II, TATA box binding protein (TBP)-associated factor | 0.473 | 0.0017514 |
| 1424136_a_at | Ppih | peptidyl prolyl isomerase H | 0.473 | 0.001188 |

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|--------------|-------------------|--|-------|-----------|
| 1416030_a_at | Mcm7 | minichromosome maintenance deficient 7 (S. cerevisiae) | 0.473 | 0.0012612 |
| 1422718_at | Ap3s2 | adaptor-related protein complex 3, sigma 2 subunit | 0.473 | 0.0094917 |
| 1416859_at | Fkbp3 | FK506 binding protein 3 | 0.474 | 0.0035286 |
| 1433586_at | Rgmb | RGM domain family, member B | 0.474 | 0.0141505 |
| 1417156_at | Krt19 | keratin 19 | 0.474 | 0.022338 |
| 1422836_at | Mbnl3 | muscleblind-like 3 (Drosophila) | 0.474 | 0.012779 |
| 1423074_at | Lman2 | lectin, mannose-binding 2 | 0.474 | 0.0118745 |
| 1430034_at | Cct4 | chaperonin containing Tcp1, subunit 4 (delta) | 0.474 | 0.0056973 |
| 1425109_at | Slc44a3 | solute carrier family 44, member 3 | 0.474 | 0.0325848 |
| 1435534_a_at | OTTMUSG0000016825 | predicted gene, OTTMUSG0000016825 | 0.474 | 0.0015088 |
| 1438802_at | Foxp1 | forkhead box P1 | 0.474 | 0.0089906 |
| 1452585_at | Mrps28 | mitochondrial ribosomal protein S28 | 0.474 | 0.0242492 |
| 1448677_at | Cox4nb | COX4 neighbor | 0.475 | 0.0035856 |
| 1426118_a_at | Tomm40 | translocase of outer mitochondrial membrane 40 homolog (yeast) | 0.475 | 0.0275375 |
| 1452580_a_at | Mrpl21 | mitochondrial ribosomal protein L21 | 0.475 | 0.0048981 |

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| 1433706_a_at | Ptplad1 | protein tyrosine phosphatase-like A domain containing 1 | 0.475 | 0.0020643 |
| 1452047_at | Cacybp | calcyclin binding protein | 0.475 | 0.0014083 |
| 1437986_x_at | Fuk | fucokinase | 0.475 | 0.0289328 |
| 1428556_at | Pigy | phosphatidylinositol glycan anchor biosynthesis, class Y | 0.476 | 0.0018214 |
| 1428844_a_at | Bclaf1 | BCL2-associated transcription factor 1 | 0.476 | 0.0012751 |
| 1448176_a_at | Hnrnpk | heterogeneous nuclear ribonucleoprotein K | 0.476 | 0.0011052 |
| 1449090_a_at | Yes1 | Yamaguchi sarcoma viral (v-yes) oncogene homolog 1 | 0.476 | 0.002708 |
| 1423884_at | Cirh1a | cirrhosis, autosomal recessive 1A (human) | 0.476 | 0.0065998 |
| 1423132_a_at | 5730427N09Rik | RIKEN cDNA 5730427N09 gene | 0.476 | 0.0017772 |
| 1455102_at | Larp4 | La ribonucleoprotein domain family, member 4 | 0.476 | 0.0118148 |
| 1428633_at | Twistnb | TWIST neighbor | 0.476 | 0.0227396 |
| 1416172_at | Pes1 | pescadillo homolog 1, containing BRCT domain (zebrafish) | 0.476 | 0.0018128 |
| 1439962_at | 2310010J17Rik | RIKEN cDNA 2310010J17 gene | 0.476 | 0.0063657 |
| 1457343_at | NA | NA | 0.477 | 0.0117409 |

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|--------------|-------------------|---|-------|-----------|
| 1423430_at | Mybbp1a | MYB binding protein (P160) 1a | 0.477 | 0.0288432 |
| 1420477_at | Nap111 | nucleosome assembly protein 1-like 1 | 0.477 | 0.0101867 |
| 1448465_at | Nipsnap1 | 4-nitrophenylphosphatase domain and non-neuronal SNAP25-like protein homolog 1 (C. elegans) | 0.477 | 0.0075694 |
| 1416170_at | Trap1 | TNF receptor-associated protein 1 | 0.477 | 0.0057444 |
| 1427250_at | Atp2a2 | ATPase, Ca ⁺⁺ transporting, cardiac muscle, slow twitch 2 | 0.478 | 0.0097943 |
| 1447961_s_at | Mrpl38 | mitochondrial ribosomal protein L38 | 0.478 | 0.0078184 |
| 1417083_at | Sec61b | Sec61 beta subunit | 0.478 | 0.003608 |
| 1436652_at | 5830418K08Rik | RIKEN cDNA 5830418K08 gene | 0.478 | 0.02097 |
| 1426698_a_at | Hnrnmp | heterogeneous nuclear ribonucleoprotein M | 0.478 | 0.001373 |
| 1436935_x_at | ENSMUSG0000056003 | predicted gene, ENSMUSG0000056003 | 0.478 | 0.0019468 |
| 1454725_at | Tra2a | transformer 2 alpha homolog (Drosophila) | 0.478 | 0.0012979 |
| 1436531_at | Metap2 | methionine aminopeptidase 2 | 0.478 | 0.0102704 |
| 1428970_at | Nat13 | N-acetyltransferase 13 | 0.479 | 0.0013246 |
| 1446692_at | NA | NA | 0.479 | 0.0026456 |

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|--------------|---------------|---|-------|-----------|
| 1451356_at | Anp32e | acidic (leucine-rich) nuclear phosphoprotein 32 family, member E | 0.479 | 0.0012675 |
| 1428090_at | Ptcd3 | pentatricopeptide repeat domain 3 | 0.479 | 0.0051132 |
| 1436838_x_at | Cot11 | coactosin-like 1 (Dictyostelium) | 0.479 | 0.0028086 |
| 1434135_at | B3galnt2 | UDP-GalNAc:betaGlcNAc beta 1,3-galactosaminyltransferase, polypeptide 2 | 0.479 | 0.0350886 |
| 1417665_a_at | Cpsf1 | cleavage and polyadenylation specific factor 1 | 0.480 | 0.0036809 |
| 1424200_s_at | Seh11 | SEH1-like (S. cerevisiae) | 0.480 | 0.0014049 |
| 1451249_at | Trmt1 | TRM1 tRNA methyltransferase 1 homolog (S. cerevisiae) | 0.481 | 0.0043798 |
| 1453234_at | 1300002K09Rik | RIKEN cDNA 1300002K09 gene | 0.481 | 0.0054605 |
| 1433534_a_at | Cct2 | chaperonin containing Tcp1, subunit 2 (beta) | 0.481 | 0.0021068 |
| 1436523_s_at | 1810022K09Rik | RIKEN cDNA 1810022K09 gene | 0.481 | 0.0012313 |
| 1428619_at | 2310005N03Rik | RIKEN cDNA 2310005N03 gene | 0.481 | 0.0019284 |
| 1439057_x_at | Zdhhc6 | zinc finger, DHHC domain containing 6 | 0.481 | 0.0103182 |
| 1440267_at | Pex1 | peroxisome biogenesis factor 1 | 0.482 | 0.0283562 |
| 1438908_at | Pcbp2 | poly(rC) binding protein 2 | 0.482 | 0.0054514 |

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|--------------|----------|---|-------|-----------|
| 1436595_at | Rbm34 | RNA binding motif protein 34 | 0.482 | 0.0229993 |
| 1443833_at | NA | NA | 0.482 | 0.0460123 |
| 1426162_a_at | Rpl7 | ribosomal protein L7 | 0.482 | 0.0026675 |
| 1434766_at | NA | NA | 0.482 | 0.0048356 |
| 1434842_s_at | Upf3b | UPF3 regulator of nonsense transcripts homolog B (yeast) | 0.482 | 0.0013872 |
| 1428892_at | Ppil1 | peptidylprolyl isomerase (cyclophilin)-like 1 | 0.482 | 0.0055486 |
| 1421895_at | Eif2s3x | eukaryotic translation initiation factor 2, subunit 3, structural gene X-linked | 0.482 | 0.0031856 |
| 1436420_a_at | Ipo4 | importin 4 | 0.482 | 0.002111 |
| 1417948_s_at | Ilf2 | interleukin enhancer binding factor 2 | 0.483 | 0.023949 |
| 1454843_at | Prps2 | phosphoribosyl pyrophosphate synthetase 2 | 0.483 | 0.0037642 |
| 1438415_s_at | Carm1 | coactivator-associated arginine methyltransferase 1 | 0.483 | 0.0126041 |
| 1434106_at | Epm2aip1 | EPM2A (laforin) interacting protein 1 | 0.483 | 0.0320395 |
| 1423493_a_at | Nfix | nuclear factor I/X | 0.483 | 0.0067329 |
| 1417873_at | Pwp1 | PWP1 homolog (S. cerevisiae) | 0.483 | 0.0012457 |

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|--------------|-------------------|--|-------|-----------|
| 1419406_a_at | Bcl11a | B-cell CLL/lymphoma 11A (zinc finger protein) | 0.484 | 0.010603 |
| 1434866_x_at | Cpt1a | carnitine palmitoyltransfera se 1a, liver | 0.484 | 0.0028853 |
| 1416884_at | Cbx3 | chromobox homolog 3 (Drosophila HP1 gamma) | 0.484 | 0.0015254 |
| 1460672_at | 2410002F23R ik | RIKEN cDNA 2410002F23 gene | 0.484 | 0.0069564 |
| 1431506_s_at | Pp1h | peptidyl prolyl isomerase H | 0.484 | 0.0055044 |
| 1436451_a_at | Tmed2 | transmembrane emp24 domain trafficking protein 2 | 0.484 | 0.0051181 |
| 1452691_at | Rbm17 | RNA binding motif protein 17 | 0.484 | 0.0017168 |
| 1424474_a_at | Camkk2 | calcium/calmoduli n-dependent protein kinase kinase 2, beta | 0.484 | 0.022852 |
| 1433679_at | Fubp3 | far upstream element (FUSE) binding protein 3 | 0.484 | 0.0028432 |
| 1423333_at | Ergic1 | endoplasmic reticulum-golgi intermediate compartment (ERGIC) 1 | 0.484 | 0.0027744 |
| 1424143_a_at | Cdt1 | chromatin licensing and DNA replication factor 1 | 0.485 | 0.0022388 |
| 1460575_at | Eif2a | eukaryotic translation initiation factor 2a | 0.485 | 0.001234 |
| 1416064_a_at | Hspa5 | heat shock protein 5 | 0.485 | 0.0041438 |

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|--------------|---------------|--|-------|-----------|
| 1429259_a_at | 1190007I07Rik | RIKEN cDNA 1190007I07 gene | 0.485 | 0.0036181 |
| 1416346_at | Timm8a1 | translocase of inner mitochondrial membrane 8 homolog a1 (yeast) | 0.485 | 0.0033188 |
| 1437242_at | Ttll12 | tubulin tyrosine ligase-like family, member 12 | 0.485 | 0.0110784 |
| 1428200_a_at | Pdxdc1 | pyridoxal-dependent decarboxylase domain containing 1 | 0.485 | 0.0083983 |
| 1426674_at | Eif3b | eukaryotic translation initiation factor 3, subunit B | 0.485 | 0.0015796 |
| 1452616_s_at | Ssbp1 | single-stranded DNA binding protein 1 | 0.485 | 0.0037223 |
| 1420017_at | Tspan8 | tetraspanin 8 | 0.486 | 0.0119069 |
| 1418564_s_at | Serbp1 | Serpine1 mRNA binding protein 1 | 0.486 | 0.0015292 |
| 1448847_at | Serinc3 | serine incorporator 3 | 0.486 | 0.0226722 |
| 1418022_at | Narg1 | NMDA receptor-regulated gene 1 | 0.486 | 0.002595 |
| 1456316_a_at | Acbd3 | acyl-Coenzyme A binding domain containing 3 | 0.486 | 0.0402157 |
| 1439010_at | Larp4 | La ribonucleoprotein domain family, member 4 | 0.486 | 0.0121824 |
| 1452159_at | 2310001A20Rik | RIKEN cDNA 2310001A20 gene | 0.486 | 0.0298256 |

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|--------------|----------|---|-------|-----------|
| 1416536_at | Mum1 | melanoma associated antigen (mutated) 1 | 0.486 | 0.0030744 |
| 1421914_s_at | Mrpl19 | mitochondrial ribosomal protein L19 | 0.486 | 0.0294963 |
| 1455816_a_at | Kctd3 | potassium channel tetramerisation domain containing 3 | 0.487 | 0.0036278 |
| 1435177_a_at | Anapc5 | anaphase-promoting complex subunit 5 | 0.487 | 0.0013661 |
| 1452778_x_at | Nap111 | nucleosome assembly protein 1-like 1 | 0.487 | 0.0041678 |
| 1424077_at | Gdpd1 | glycerophosphodiester phosphodiesterase domain containing 1 | 0.487 | 0.0191304 |
| 1415833_x_at | Rps29 | ribosomal protein S29 | 0.487 | 0.0016758 |
| 1428080_at | Pgam5 | phosphoglycerate mutase family member 5 | 0.488 | 0.0034381 |
| 1434512_x_at | Sfrs3 | splicing factor, arginine/serine-rich 3 (SRp20) | 0.488 | 0.0030068 |
| 1448811_at | Mrpl2 | mitochondrial ribosomal protein L2 | 0.488 | 0.0059209 |
| 1426994_at | Phlpp | PH domain and leucine rich repeat protein phosphatase | 0.488 | 0.0056478 |
| 1424344_s_at | Eif1a | eukaryotic translation initiation factor 1A | 0.488 | 0.0018337 |
| 1426607_at | EG633640 | predicted gene, EG633640 | 0.488 | 0.0299118 |

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|--------------|---------------|---|-------|-----------|
| 1455860_at | Pigh | phosphatidylinositol glycan anchor biosynthesis, class H | 0.488 | 0.0096795 |
| 1437007_x_at | Usp39 | ubiquitin specific peptidase 39 | 0.488 | 0.0017564 |
| 1452676_a_at | Pnpt1 | polyribonucleotide nucleotidyltransferase 1 | 0.488 | 0.0050854 |
| 1459981_s_at | LOC100045795 | similar to mKIAA3002 protein | 0.488 | 0.0078866 |
| 1454714_x_at | Phgdh | 3-phosphoglycerate dehydrogenase | 0.489 | 0.0093102 |
| 1456082_x_at | Cct4 | chaperonin containing Tcp1, subunit 4 (delta) | 0.489 | 0.0032334 |
| 1428483_a_at | 2610039C10Rik | RIKEN cDNA 2610039C10 gene | 0.489 | 0.005233 |
| 1452049_at | Rpl7l1 | ribosomal protein L7-like 1 | 0.489 | 0.0013077 |
| 1417506_at | Gmnn | geminin | 0.490 | 0.0101367 |
| 1455550_x_at | Serinc3 | serine incorporator 3 | 0.490 | 0.0028593 |
| 1434145_s_at | Serhl | serine hydrolase-like | 0.490 | 0.0056954 |
| 1423565_at | Paics | phosphoribosylaminoimidazole carboxylase, phosphoribosylaminoribosylaminoimidazole, succinocarboxamide synthetase | 0.490 | 0.0045902 |
| 1448452_at | Irf8 | interferon regulatory factor 8 | 0.490 | 0.0033837 |
| 1435524_at | NA | NA | 0.490 | 0.0019669 |

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|--------------|---------|--|-------|-----------|
| 1450735_at | Pno1 | partner of NOB1 homolog (S. cerevisiae) | 0.490 | 0.002613 |
| 1417499_at | Timm10 | translocase of inner mitochondrial membrane 10 homolog (yeast) | 0.490 | 0.0019258 |
| 1451265_at | Ccdc115 | coiled-coil domain containing 115 | 0.491 | 0.008813 |
| 1417340_at | Glrx3 | glutaredoxin 3 | 0.491 | 0.0017246 |
| 1428747_at | Trspap1 | tRNA selenocysteine associated protein 1 | 0.491 | 0.0019975 |
| 1447053_x_at | Ssr3 | signal sequence receptor, gamma | 0.491 | 0.0061591 |
| 1416907_at | Tsn | translin | 0.491 | 0.0072632 |
| 1429461_at | Ints2 | integrator complex subunit 2 | 0.491 | 0.0064756 |
| 1456272_at | NA | NA | 0.491 | 0.0108061 |
| 1434030_at | Gtpbp10 | GTP-binding protein 10 (putative) | 0.491 | 0.0059972 |
| 1442338_at | NA | NA | 0.492 | 0.0118172 |
| 1456374_x_at | Eif3c | eukaryotic translation initiation factor 3, subunit C | 0.492 | 0.0021584 |
| 1431980_a_at | As3mt | arsenic (+3 oxidation state) methyltransferase | 0.492 | 0.0025231 |
| 1427042_at | Mal2 | mal, T-cell differentiation protein 2 | 0.492 | 0.0310893 |

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|--------------|---------|---|-------|-----------|
| 1456253_s_at | Plekhn1 | pleckstrin homology domain containing, family N member 1 | 0.493 | 0.0053597 |
| 1426384_a_at | Ywhae | tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon polypeptide | 0.493 | 0.005012 |
| 1426613_a_at | Snrpb2 | U2 small nuclear ribonucleoprotein B | 0.493 | 0.0053688 |
| 1431889_x_at | Psg21 | pregnancy-specific glycoprotein 21 | 0.493 | 0.0201618 |
| 1448221_at | Bat1a | HLA-B-associated transcript 1A | 0.493 | 0.0015115 |
| 1423839_a_at | Btf3 | basic transcription factor 3 | 0.493 | 0.0014779 |
| 1449799_s_at | Pkp2 | plakophilin 2 | 0.494 | 0.0015132 |
| 1416292_at | Prdx3 | peroxiredoxin 3 | 0.494 | 0.0050076 |
| 1437843_s_at | Nupl1 | nucleoporin like 1 | 0.494 | 0.0055422 |
| 1423158_at | Gnpat1 | glucosamine-phosphate N-acetyltransferase 1 | 0.494 | 0.0063351 |
| 1430127_a_at | Ccnd2 | cyclin D2 | 0.494 | 0.0027012 |
| 1456314_x_at | Cdk2ap1 | CDK2 (cyclin-dependent kinase 2)-associated protein 1 | 0.494 | 0.0015438 |
| 1438991_x_at | Ppp2r1a | protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), alpha isoform | 0.494 | 0.0146973 |

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|--------------|--------------|---|-------|-----------|
| 1448187_at | Pold1 | polymerase (DNA directed), delta 1, catalytic subunit | 0.494 | 0.0103233 |
| 1438177_x_at | LOC100048085 | similar to ectonucleoside triphosphate diphosphohydrolase 4 | 0.495 | 0.004089 |
| 1434823_x_at | Myeov2 | myeloma overexpressed 2 | 0.495 | 0.0024094 |
| 1417722_at | Pgls | 6-phosphogluconolactonase | 0.495 | 0.0042671 |
| 1423747_a_at | Pdk1 | pyruvate dehydrogenase kinase, isoenzyme 1 | 0.495 | 0.0017773 |
| 1421948_a_at | Ccdc123 | coiled-coil domain containing 123 | 0.495 | 0.0292606 |
| 1415867_at | Cct4 | chaperonin containing Tcp1, subunit 4 (delta) | 0.495 | 0.0031768 |
| 1427504_s_at | Sfrs2 | splicing factor, arginine/serine-rich 2 (SC-35) | 0.495 | 0.0033755 |
| 1417451_a_at | Ppia | peptidylprolyl isomerase A | 0.495 | 0.0017554 |
| 1428407_at | Hnrnpa0 | heterogeneous nuclear ribonucleoprotein A0 | 0.495 | 0.0015938 |
| 1423744_x_at | Eif2s3x | eukaryotic translation initiation factor 2, subunit 3, structural gene X-linked | 0.495 | 0.0018742 |
| 1416617_at | Acss1 | acyl-CoA synthetase short-chain family member 1 | 0.495 | 0.0054597 |

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|--------------|---------------|--|-------|-----------|
| 1427342_at | Fastkd1 | FAST kinase domains 1 | 0.496 | 0.0246616 |
| 1437099_x_at | Hnrnpf | heterogeneous nuclear ribonucleoprotein F | 0.496 | 0.0059544 |
| 1438383_x_at | Ppp2r1a | protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), alpha isoform | 0.496 | 0.0140432 |
| 1415687_a_at | Psap | prosaposin | 0.496 | 0.0029558 |
| 1423210_a_at | Nola3 | nucleolar protein family A, member 3 | 0.496 | 0.0015442 |
| 1423643_at | Ddx39 | DEAD (Asp-Glu-Ala-Asp) box polypeptide 39 | 0.497 | 0.0061275 |
| 1440050_at | Hbs1l | Hbs1-like (S. cerevisiae) | 0.497 | 0.0030443 |
| 1428167_a_at | Mpzl1 | myelin protein zero-like 1 | 0.497 | 0.0146045 |
| 1428061_at | Hat1 | histone aminotransferase 1 | 0.497 | 0.0027243 |
| 1452359_at | Rel1 | RELT-like 1 | 0.497 | 0.0178123 |
| 1438859_x_at | Rps29 | ribosomal protein S29 | 0.497 | 0.0034936 |
| 1449491_at | Card10 | caspase recruitment domain family, member 10 | 0.497 | 0.0052442 |
| 1418380_at | Terf1 | telomeric repeat binding factor 1 | 0.498 | 0.0029855 |
| 1456419_at | 5730455P16Rik | RIKEN cDNA 5730455P16 gene | 0.498 | 0.0117356 |
| 1452370_s_at | B230208H17Rik | RIKEN cDNA B230208H17 gene | 0.498 | 0.0317187 |
| 1453729_a_at | Rpl37 | ribosomal protein L37 | 0.498 | 0.0017745 |
| 1422613_a_at | Rpl7a | ribosomal protein L7a | 0.498 | 0.003367 |

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| 1415728_at | Pabpn1 | poly(A) binding protein, nuclear 1 | 0.498 | 0.0043007 |
| 1438643_at | Camk1d | calcium/calmodulin-dependent protein kinase ID | 0.499 | 0.0117811 |
| 1452797_at | Fastkd3 | FAST kinase domains 3 | 0.499 | 0.0025866 |
| 1454955_at | Ipo7 | importin 7 | 0.499 | 0.0062257 |
| 1455036_s_at | Ndufc2 | NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 2 | 0.499 | 0.0055262 |
| 1428207_at | Bcl7a | B-cell CLL/lymphoma 7A | 0.499 | 0.0087898 |
| 1436591_at | BC023744 | cDNA sequence BC023744 | 0.499 | 0.0129104 |
| 1439062_at | Kbtbd3 | kelch repeat and BTB (POZ) domain containing 3 | 0.499 | 0.0075113 |
| 1456393_at | Pdcd4 | programmed cell death 4 | 0.499 | 0.002777 |
| 1429711_at | Styx | serine/threonine/tyrosine interaction protein | 0.499 | 0.0065386 |
| 1426293_at | Zfp790 | zinc finger protein 790 | 0.499 | 0.029597 |
| 1430985_at | 1810027O10 Rik | RIKEN cDNA 1810027O10 gene | 0.500 | 0.0021712 |
| 1436349_at | 2700094K13Rik | RIKEN cDNA 2700094K13 gene | 0.500 | 0.0023364 |
| 1455824_x_at | Stt3a | STT3, subunit of the oligosaccharyltransferase complex, homolog A (S. cerevisiae) | 0.500 | 0.0043146 |

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|--------------|---------------|---|-------|-----------|
| 1454995_at | Ddah1 | dimethylarginine dimethylaminohydrolase 1 | 0.500 | 0.0147167 |
| 1453311_at | 2310008B10Rik | RIKEN cDNA 2310008B10 gene | 0.500 | 0.0162026 |
| 1433824_x_at | Grsf1 | G-rich RNA sequence binding factor 1 | 0.500 | 0.0047052 |
| 1434645_at | C530008M17Rik | RIKEN cDNA C530008M17 gene | 2.001 | 0.0082984 |
| 1416326_at | Crip1 | cysteine-rich protein 1 (intestinal) | 2.002 | 0.0033956 |
| 1444934_at | Zfp276 | zinc finger protein (C2H2 type) 276 | 2.002 | 0.040307 |
| 1448382_at | Ehhadh | enoyl-Coenzyme A, hydratase/3-hydroxyacyl Coenzyme A dehydrogenase | 2.003 | 0.0292536 |
| 1426441_at | Slc11a2 | solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2 | 2.004 | 0.0261568 |
| 1420427_a_at | Dhx32 | DEAH (Asp-Glu-Ala-His) box polypeptide 32 | 2.004 | 0.0354827 |
| 1417892_a_at | Sirt3 | sirtuin 3 (silent mating type information regulation 2, homolog) 3 (S. cerevisiae) | 2.004 | 0.0068004 |
| 1433527_at | Ireb2 | iron responsive element binding protein 2 | 2.005 | 0.0088285 |

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|--------------|-------------------|--|-------|-----------|
| 1423187_at | Gabarapl2 | gamma-aminobutyric acid (GABA-A) receptor-associated protein-like 2 | 2.005 | 0.0030445 |
| 1455018_at | Lmtk2 | lemur tyrosine kinase 2 | 2.006 | 0.0093075 |
| 1443670_at | 2010001J22Rik | RIKEN cDNA 2010001J22 gene | 2.006 | 0.0042332 |
| 1434967_at | Zswim6 | zinc finger, SWIM domain containing 6 | 2.007 | 0.0016823 |
| 1443522_s_at | Phip | pleckstrin homology domain interacting protein | 2.007 | 0.0237772 |
| 1435740_at | ENSMUSG0000072684 | predicted gene, ENSMUSG0000072684 | 2.007 | 0.0037874 |
| 1425676_a_at | Elovl1 | elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 1 | 2.009 | 0.0268669 |
| 1450850_at | Ezr | ezrin | 2.009 | 0.003434 |
| 1422491_a_at | Bnip2 | BCL2/adenovirus E1B interacting protein 2 | 2.009 | 0.0019412 |
| 1455339_at | Fkbp15 | FK506 binding protein 15 | 2.011 | 0.0017379 |
| 1437200_at | Fcho2 | FCH domain only 2 | 2.011 | 0.0019865 |
| 1421845_at | Golph3 | golgi phosphoprotein 3 | 2.011 | 0.0063548 |
| 1441320_a_at | AI413194 | expressed sequence AI413194 | 2.013 | 0.0076013 |
| 1448174_at | Cul1 | cullin 1 | 2.013 | 0.0018544 |
| 1434330_at | Tbcel | tubulin folding cofactor E-like | 2.013 | 0.0047645 |

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|---------------------------|-----------|--|-------|-----------|
| AFFX-GapdhMur/M32599_M_at | Gapdh | glyceraldehyde-3-phosphate dehydrogenase | 2.016 | 0.0115321 |
| 1425787_a_at | Syt13 | synaptotagmin-like 3 | 2.017 | 0.0034033 |
| 1449702_at | Zfand2a | zinc finger, AN1-type domain 2A | 2.018 | 0.0102368 |
| 1449755_at | D7Ert183e | DNA segment, Chr 7, ERATO Doi 183, expressed | 2.019 | 0.0040215 |
| 1453913_a_at | Tap2 | transporter 2, ATP-binding cassette, sub-family B (MDR/TAP) | 2.019 | 0.0127731 |
| 1416418_at | Gabarapl1 | gamma-aminobutyric acid (GABA(A)) receptor-associated protein-like 1 | 2.020 | 0.0095477 |
| 1450033_a_at | Stat1 | signal transducer and activator of transcription 1 | 2.021 | 0.0105252 |
| 1460273_a_at | Naip2 | NLR family, apoptosis inhibitory protein 2 | 2.021 | 0.0044326 |
| 1425466_at | Senp2 | SUMO/sentrin specific peptidase 2 | 2.021 | 0.0032081 |
| 1455337_at | Fgd4 | FYVE, RhoGEF and PH domain containing 4 | 2.022 | 0.0026353 |
| 1438069_a_at | Rbm5 | RNA binding motif protein 5 | 2.023 | 0.0282923 |
| 1450315_at | V1rd14 | vomer nasal 1 receptor, D14 | 2.024 | 0.0059216 |
| 1433561_at | Centb2 | centaurin, beta 2 | 2.025 | 0.0034286 |
| 1441342_at | Dpp4 | dipeptidylpeptidase 4 | 2.025 | 0.0221322 |
| 1437886_at | Klhl6 | kelch-like 6 (Drosophila) | 2.026 | 0.0298527 |

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| 1449626_s_at | Acbd4 | acyl-Coenzyme A binding domain containing 4 | 2.026 | 0.0022359 |
| 1435055_a_at | Tom1 | target of myb1 homolog (chicken) | 2.028 | 0.0093018 |
| 1452193_a_at | Wasl | Wiskott-Aldrich syndrome-like (human) | 2.028 | 0.0034788 |
| 1422453_at | Prpf8 | pre-mRNA processing factor 8 | 2.028 | 0.0159912 |
| 1426644_at | Tbc1d20 | TBC1 domain family, member 20 | 2.029 | 0.0024409 |
| 1431391_at | Ralgps1 | Ral GEF with PH domain and SH3 binding motif 1 | 2.029 | 0.006431 |
| 1423117_at | Pum1 | pumilio 1 (Drosophila) | 2.029 | 0.0213114 |
| 1419906_at | Hpgd | hydroxyprostaglandin dehydrogenase 15 (NAD) | 2.030 | 0.0091608 |
| 1448119_at | Bpgm | 2,3-bisphosphoglycerate mutase | 2.030 | 0.0072961 |
| 1423678_at | BC017643 | cDNA sequence BC017643 | 2.031 | 0.0090059 |
| 1434828_at | B430201A12 Rik | RIKEN cDNA B430201A12 gene | 2.032 | 0.0021055 |
| 1430634_a_at | Pfkp | phosphofructokinase, platelet | 2.033 | 0.0101603 |
| 1436851_at | Pkn1 | protein kinase N1 | 2.034 | 0.0066093 |
| 1422670_at | Rnd2 | Rho family GTPase 2 | 2.039 | 0.0034959 |
| 1437892_at | Zkscan3 | zinc finger with KRAB and SCAN domains 3 | 2.039 | 0.0380536 |
| 1448161_a_at | Clcn4-2 | chloride channel 4-2 | 2.042 | 0.002658 |

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|--------------|---------|--|-------|-----------|
| 1426598_at | Uty | ubiquitously transcribed tetratricopeptide repeat gene, Y chromosome | 2.043 | 0.0216754 |
| 1426584_a_at | Sord | sorbitol dehydrogenase | 2.044 | 0.0038705 |
| 1452532_x_at | Ceacam1 | carcinoembryonic antigen-related cell adhesion molecule 1 | 2.045 | 0.012515 |
| 1433770_at | Dpysl2 | dihydropyrimidinate-like 2 | 2.045 | 0.0047039 |
| 1450223_at | Apaf1 | apoptotic peptidase activating factor 1 | 2.046 | 0.0282856 |
| 1451328_at | Pcxl3 | pecanex-like 3 (Drosophila) | 2.046 | 0.0106827 |
| 1418000_a_at | Itn2b | integral membrane protein 2B | 2.046 | 0.0047437 |
| 1456821_at | NA | NA | 2.047 | 0.0077886 |
| 1419296_at | Arhgap4 | Rho GTPase activating protein 4 | 2.047 | 0.0319462 |
| 1460204_at | Tec | cytoplasmic tyrosine kinase, Dscr28C related (Drosophila) | 2.049 | 0.0067661 |
| 1434743_x_at | Rusc1 | RUN and SH3 domain containing 1 | 2.049 | 0.001944 |
| 1443057_at | NA | NA | 2.051 | 0.0062583 |
| 1449934_at | Pura | purine rich element binding protein A | 2.052 | 0.0110079 |
| 1435362_at | Foxj3 | forkhead box J3 | 2.052 | 0.001983 |
| 1416011_x_at | Ehd1 | EH-domain containing 1 | 2.053 | 0.0055617 |

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|-----------------------------|---------------|---|-------|-----------|
| 1439656_at | Pafah1b1 | platelet-activating factor acetylhydrolase, isoform 1b, beta1 subunit | 2.054 | 0.008331 |
| 1456587_x_at | 2010005J08Rik | RIKEN cDNA 2010005J08 gene | 2.055 | 0.0049956 |
| 1439452_x_at | Dnpep | aspartyl aminopeptidase | 2.055 | 0.0068665 |
| 1431035_at | Daam1 | dishevelled associated activator of morphogenesis 1 | 2.057 | 0.0200392 |
| AFFX-b-ActinMur/M12481_M_at | Actb | actin, beta | 2.058 | 0.0162386 |
| 1447602_x_at | Sulf2 | sulfatase 2 | 2.060 | 0.0104586 |
| 1441229_at | D230019N24Rik | RIKEN cDNA D230019N24 gene | 2.061 | 0.01087 |
| 1416380_at | Mov10 | Moloney leukemia virus 10 | 2.062 | 0.0028871 |
| 1428897_at | 2610029I01Rik | RIKEN cDNA 2610029I01 gene | 2.063 | 0.0104926 |
| 1435637_at | Itfg1 | integrin alpha FG-GAP repeat containing 1 | 2.064 | 0.0409652 |
| 1426151_a_at | Stx3 | syntaxin 3 | 2.064 | 0.0055444 |
| 1417999_at | Itm2b | integral membrane protein 2B | 2.064 | 0.0015888 |
| 1450864_at | Calm3 | calmodulin 3 | 2.065 | 0.003076 |
| 1416046_a_at | Fuca2 | fucosidase, alpha-L-2, plasma | 2.066 | 0.0253727 |
| 1415952_at | Mark2 | MAP/microtubule affinity-regulating kinase 2 | 2.066 | 0.0013462 |
| 1419097_a_at | Stom | stomatin | 2.067 | 0.0190743 |

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|--------------|---------|--|-------|-----------|
| 1436395_at | Card6 | caspase recruitment domain family, member 6 | 2.068 | 0.0018529 |
| 1418486_at | Vnn1 | vanin 1 | 2.068 | 0.0333695 |
| 1451716_at | Mafb | v-maf musculoaponeurotic fibrosarcoma oncogene family, protein B (avian) | 2.068 | 0.0047893 |
| 1425463_at | Gata6 | GATA binding protein 6 | 2.069 | 0.0025497 |
| 1429117_at | Tradd | TNFRSF1A-associated via death domain | 2.071 | 0.0050388 |
| 1453039_at | Zfp335 | zinc finger protein 335 | 2.071 | 0.005267 |
| 1430309_at | Nipbl | Nipped-B homolog (Drosophila) | 2.072 | 0.0238091 |
| 1448864_at | Snrk | SNF related kinase | 2.074 | 0.0074153 |
| 1456610_at | Jmjd3 | jumonji domain containing 3 | 2.075 | 0.0018892 |
| 1460096_at | NA | NA | 2.076 | 0.0128836 |
| 1437132_x_at | Nedd9 | neural precursor cell expressed, developmentally down-regulated gene 9 | 2.077 | 0.0014884 |
| 1436128_at | Plekha8 | pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 8 | 2.077 | 0.004309 |
| 1419022_a_at | Eno1 | enolase 1, alpha non-neuron | 2.077 | 0.0187496 |
| 1422959_s_at | Rnf114 | ring finger protein 114 | 2.079 | 0.0036012 |

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|--------------|---------------|--|-------|-----------|
| 1441242_at | NA | NA | 2.079 | 0.0127535 |
| 1416759_at | Mical1 | microtubule associated monoxygenase, calponin and LIM domain containing 1 | 2.080 | 0.0071656 |
| 1459332_at | Itch | itchy, E3 ubiquitin protein ligase | 2.082 | 0.0053947 |
| 1433593_at | Ypel5 | yippee-like 5 (Drosophila) | 2.082 | 0.0096849 |
| 1460341_at | Plekhb2 | pleckstrin homology domain containing, family B (evectins) member 2 | 2.083 | 0.0047873 |
| 1422661_at | Lgals8 | lectin, galactose binding, soluble 8 | 2.084 | 0.0024946 |
| 1426445_at | Ctage5 | CTAGE family, member 5 | 2.084 | 0.0033904 |
| 1459354_at | NA | NA | 2.084 | 0.0048254 |
| 1438167_x_at | Flcn | folliculin | 2.085 | 0.0027715 |
| 1423786_at | 8430410A17Rik | RIKEN cDNA 8430410A17 gene | 2.085 | 0.0136144 |
| 1422736_at | Ranbp9 | RAN binding protein 9 | 2.086 | 0.0054277 |
| 1444525_at | NA | NA | 2.086 | 0.0272979 |
| 1453120_at | Txndc13 | thioredoxin domain containing 13 | 2.087 | 0.0224193 |
| 1415936_at | Bcar3 | breast cancer anti estrogen resistance 3 | 2.087 | 0.0015556 |
| 1425515_at | Pik3r1 | phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 1 (p85 alpha) | 2.087 | 0.007568 |
| 1448943_at | Nrp1 | neuropilin 1 | 2.088 | 0.0054686 |

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| 1444762_at | NA | NA | 2.088 | 0.0061627 |
| 1418144_a_at | Pip5k1a | phosphatidylinositol-4-phosphate 5-kinase, type 1 alpha | 2.088 | 0.0048731 |
| 1456223_at | NA | NA | 2.088 | 0.0182453 |
| 1456981_at | Tmc7 | transmembrane channel-like gene family 7 | 2.088 | 0.0063927 |
| 1434873_a_at | Centb1 | centaurin, beta 1 | 2.089 | 0.029272 |
| 1445897_s_at | Ifi35 | interferon-induced protein 35 | 2.090 | 0.0011505 |
| 1451390_s_at | Zfand2b | zinc finger, AN1 type domain 2B | 2.091 | 0.0027245 |
| 1448939_at | Usp25 | ubiquitin specific peptidase 25 | 2.091 | 0.0048325 |
| 1458618_at | NA | NA | 2.092 | 0.0076971 |
| 1429166_s_at | Clmn | calmin | 2.093 | 0.0043051 |
| 1420824_at | Sema4d | sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4D | 2.093 | 0.0393326 |
| 1431060_at | Peli1 | pellino 1 | 2.093 | 0.0245143 |
| 1433897_at | AI597468 | expressed sequence AI597468 | 2.094 | 0.002148 |
| 1435631_x_at | Sh3glb1 | SH3-domain GRB2-like B1 (endophilin) | 2.095 | 0.0223967 |
| 1449018_at | Pfn1 | profilin 1 | 2.096 | 0.0018771 |

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|--------------|-------------------|---|-------|-----------|
| 1428792_at | Bcas1 | breast carcinoma amplified sequence 1 | 2.096 | 0.0067654 |
| 1434253_s_at | Tmcc3 | transmembrane and coiled coil domains 3 | 2.096 | 0.0011658 |
| 1426894_s_at | C230093N12 Rik | RIKEN cDNA C230093N12 gene | 2.097 | 0.0039757 |
| 1417180_at | Pcsk7 | proprotein convertase subtilisin/kexin type 7 | 2.098 | 0.0014229 |
| 1457528_at | Slc4a7 | solute carrier family 4, sodium bicarbonate cotransporter, member 7 | 2.100 | 0.0409889 |
| 1458616_at | NA | NA | 2.101 | 0.0021941 |
| 1438116_x_at | Slc9a3r1 | solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulator 1 | 2.102 | 0.0010119 |
| 1431704_a_at | Ralgps2 | Ral GEF with PH domain and SH3 binding motif 2 | 2.102 | 0.0045498 |
| 1426810_at | Jmjd1a | jumonji domain containing 1A | 2.103 | 0.001872 |
| 1454967_at | NA | NA | 2.103 | 0.0011265 |
| 1431997_at | 3000002C10R ik | RIKEN cDNA 3000002C10 gene | 2.103 | 0.0134646 |
| 1436933_at | NA | NA | 2.104 | 0.0014182 |
| 1441617_at | Med15 | mediator complex subunit 15 | 2.105 | 0.0016316 |
| 1457364_at | NA | NA | 2.105 | 0.0057335 |
| 1425678_a_at | Snrk | SNF related kinase | 2.105 | 0.001358 |
| 1448128_at | Ctsa | cathepsin A | 2.106 | 0.0230167 |

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|--------------|---------------|---|-------|-----------|
| 1435772_at | Rpl18 | ribosomal protein L18 | 2.107 | 0.0013052 |
| 1452124_at | Ank3 | ankyrin 3, epithelial | 2.107 | 0.0107275 |
| 1450984_at | Tjp2 | tight junction protein 2 | 2.107 | 0.0043443 |
| 1428729_at | Krit1 | KRIT1, ankyrin repeat containing | 2.108 | 0.0026077 |
| 1436984_at | Abi2 | abl-interactor 2 | 2.109 | 0.0079006 |
| 1426733_at | Itpk1 | inositol 1,3,4-triphosphate 5/6 kinase | 2.110 | 0.0014749 |
| 1450247_a_at | Scamp5 | secretory carrier membrane protein 5 | 2.110 | 0.0273577 |
| 1447615_at | NA | NA | 2.110 | 0.0186738 |
| 1421396_at | Pcsk1 | proprotein convertase subtilisin/kexin type 1 | 2.112 | 0.0088957 |
| 1449385_at | Hsd17b6 | hydroxysteroid (17-beta) dehydrogenase 6 | 2.112 | 0.0360995 |
| 1416830_at | 0610031J06Rik | RIKEN cDNA 0610031J06 gene | 2.112 | 0.0067078 |
| 1417219_s_at | Tmsb10 | thymosin, beta 10 | 2.112 | 0.0015985 |
| 1422438_at | Ephx1 | epoxide hydrolase 1, microsomal | 2.113 | 0.0055694 |
| 1416529_at | Emp1 | epithelial membrane protein 1 | 2.114 | 0.0033525 |
| 1450982_at | Slc9a3r1 | solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulator 1 | 2.114 | 0.0023296 |
| 1460517_at | 9130409J20Rik | RIKEN cDNA 9130409J20 gene | 2.114 | 0.0025562 |
| 1439610_at | Rab27b | RAB27b, member RAS oncogene family | 2.115 | 0.008008 |

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|--------------|----------------|---|-------|-----------|
| 1418817_at | Chmp1b | chromatin modifying protein 1B | 2.115 | 0.0015218 |
| 1429427_s_at | Tcf7l2 | transcription factor 7-like 2, T-cell specific, HMG-box | 2.116 | 0.0026387 |
| 1436994_a_at | Hist1h1c | histone cluster 1, H1c | 2.116 | 0.0032451 |
| 1450031_at | Aff4 | AF4/FMR2 family, member 4 | 2.118 | 0.0013519 |
| 1455067_at | Psd4 | pleckstrin and Sec7 domain containing 4 | 2.118 | 0.0086351 |
| 1434894_at | Zc3h13 | zinc finger CCCH type containing 13 | 2.119 | 0.0016602 |
| 1433293_at | 1500032O14 Rik | RIKEN cDNA 1500032O14 gene | 2.119 | 0.0353777 |
| 1418831_at | Pkp3 | plakophilin 3 | 2.120 | 0.0029414 |
| 1443153_at | NA | NA | 2.120 | 0.0025771 |
| 1424246_a_at | Tes | testis derived transcript | 2.120 | 0.0058087 |
| 1428988_at | Abcc3 | ATP-binding cassette, sub-family C (CFTR/MRP), member 3 | 2.121 | 0.0365391 |
| 1422584_at | Skiv2l | superkiller viralicidic activity 2-like (S. cerevisiae) | 2.121 | 0.006407 |
| 1424268_at | Smox | spermine oxidase | 2.121 | 0.0032592 |
| 1451601_a_at | Spns2 | spinstar homolog 2 (Drosophila) | 2.122 | 0.0028923 |
| 1438115_a_at | Slc9a3r1 | solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulator 1 | 2.125 | 0.0009505 |
| 1455476_a_at | Gse1 | genetic suppressor element 1 | 2.126 | 0.0013703 |
| 1449822_at | Atoh1 | atonal homolog 1 (Drosophila) | 2.126 | 0.0042036 |

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|-----------------------------|---------------|--|-------|-----------|
| 1435768_at | Arid4b | AT rich interactive domain 4B (RBP1-like) | 2.127 | 0.0011431 |
| 1432129_a_at | Prrx1 | paired related homeobox 1 | 2.128 | 0.0067973 |
| 1419971_s_at | Slc35a5 | solute carrier family 35, member A5 | 2.129 | 0.0047279 |
| 1453345_at | Npal1 | NIPA-like domain containing 1 | 2.129 | 0.0032128 |
| 1444456_at | 9030425P06Rik | RIKEN cDNA 9030425P06 gene | 2.130 | 0.0070709 |
| 1440916_at | 2510049J12Rik | RIKEN cDNA 2510049J12 gene | 2.130 | 0.0020526 |
| 1434402_at | Samd8 | sterile alpha motif domain containing 8 | 2.131 | 0.0024638 |
| 1417981_at | Insig2 | insulin induced gene 2 | 2.131 | 0.0019673 |
| 1448892_at | Dock7 | dedicator of cytokinesis 7 | 2.131 | 0.0016929 |
| 1421679_a_at | Cdkn1a | cyclin-dependent kinase inhibitor 1A (P21) | 2.132 | 0.0045659 |
| 1449151_at | Pctk3 | PCTAIRE-motif protein kinase 3 | 2.133 | 0.0084955 |
| 1456199_x_at | Ranbp9 | RAN binding protein 9 | 2.133 | 0.0094502 |
| 1449988_at | Gimap1 | GTPase, IMAP family member 1 | 2.134 | 0.0177882 |
| AFFX-b-ActinMur/M12481_5_at | Actb | actin, beta | 2.134 | 0.0136864 |
| 1448145_at | Wwp2 | WW domain containing E3 ubiquitin protein ligase 2 | 2.136 | 0.0013633 |
| 1450919_at | Mpp1 | membrane protein, palmitoylated | 2.137 | 0.0066405 |
| 1418186_at | Gstt1 | glutathione S-transferase, theta 1 | 2.137 | 0.0033343 |

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|--------------|----------------|--|-------|-----------|
| 1427742_a_at | Klf6 | Kruppel-like factor 6 | 2.137 | 0.0017623 |
| 1450138_a_at | Serpinb6a | serine (or cysteine) peptidase inhibitor, clade B, member 6a | 2.137 | 0.0031612 |
| 1450007_at | 1500003O03 Rik | RIKEN cDNA 1500003O03 gene | 2.138 | 0.0073616 |
| 1423961_at | Wdr26 | WD repeat domain 26 | 2.139 | 0.0025526 |
| 1437483_at | Zfp513 | zinc finger protein 513 | 2.140 | 0.0042413 |
| 1458185_at | Thap4 | THAP domain containing 4 | 2.140 | 0.0067455 |
| 1457378_at | NA | NA | 2.141 | 0.0292826 |
| 1419232_a_at | Apoa1 | apolipoprotein A-I | 2.142 | 0.0021282 |
| 1453960_a_at | Capzb | capping protein (actin filament) muscle Z-line, beta | 2.142 | 0.0018942 |
| 1452694_at | lhpk1 | inositol hexaphosphate kinase 1 | 2.144 | 0.0010729 |
| 1418649_at | Egln3 | EGL nine homolog 3 (C. elegans) | 2.144 | 0.002145 |
| 1448396_at | Tmem131 | transmembrane protein 131 | 2.144 | 0.0045968 |
| 1452823_at | Gstk1 | glutathione S-transferase kappa 1 | 2.145 | 0.0145159 |
| 1434904_at | Hivep2 | human immunodeficiency virus type I enhancer binding protein 2 | 2.145 | 0.0093528 |
| 1425036_a_at | Tnrc6a | trinucleotide repeat containing 6a | 2.145 | 0.0021754 |
| 1418823_at | Arf6 | ADP-ribosylation factor 6 | 2.145 | 0.0060445 |
| 1439956_at | NA | NA | 2.146 | 0.0142781 |

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|--------------|----------|--|-------|-----------|
| 1448037_at | NA | NA | 2.146 | 0.0018681 |
| 1418154_at | N4bp1 | NEDD4 binding protein 1 | 2.147 | 0.0124217 |
| 1425025_at | Tmem106a | transmembrane protein 106A | 2.147 | 0.0016035 |
| 1422771_at | Smad6 | MAD homolog 6 (Drosophila) | 2.147 | 0.0009611 |
| 1436766_at | Luc7l2 | LUC7-like 2 (S. cerevisiae) | 2.148 | 0.017773 |
| 1418479_at | Vps54 | vacuolar protein sorting 54 (yeast) | 2.148 | 0.0008887 |
| 1427711_a_at | Ceacam1 | carcinoembryonic antigen-related cell adhesion molecule 1 | 2.149 | 0.0234126 |
| 1453737_at | Wipf2 | WAS/WASL interacting protein family, member 2 | 2.149 | 0.0038394 |
| 1424245_at | Ces2 | carboxylesterase 2 | 2.149 | 0.0045457 |
| 1455865_at | Insm1 | insulinoma-associated 1 | 2.149 | 0.0366588 |
| 1436753_at | Adck5 | aarF domain containing kinase 5 | 2.150 | 0.0080081 |
| 1424740_at | Creb3 | cAMP responsive element binding protein 3 | 2.150 | 0.0028617 |
| 1419508_at | Ripk1 | receptor (TNFRSF)-interacting serine-threonine kinase 1 | 2.151 | 0.0047723 |
| 1435342_at | Kcnk6 | potassium inwardly-rectifying channel, subfamily K, member 6 | 2.153 | 0.0032057 |
| 1424059_at | Suv420h2 | suppressor of variegation 4-20 homolog 2 (Drosophila) | 2.154 | 0.001314 |

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|--------------|---------|---|-------|-----------|
| 1449289_a_at | Phf20l1 | PHD finger protein 20-like 1 | 2.155 | 0.0034931 |
| 1438673_at | Slc4a7 | solute carrier family 4, sodium bicarbonate cotransporter, member 7 | 2.155 | 0.01836 |
| 1422846_at | Rbp2 | retinol binding protein 2, cellular | 2.156 | 0.0161716 |
| 1439298_at | NA | NA | 2.156 | 0.0033332 |
| 1459701_x_at | NA | NA | 2.156 | 0.0141013 |
| 1426831_at | Ahcyl1 | S-adenosylhomocysteine hydrolase-like 1 | 2.156 | 0.0032837 |
| 1417884_at | Slc16a6 | solute carrier family 16 (monocarboxylic acid transporters), member 6 | 2.157 | 0.0082963 |
| 1423783_at | Tor2a | torsin family 2, member A | 2.157 | 0.0207078 |
| 1426094_at | Rhbd1 | rhomboid, veinlet-like 1 (Drosophila) | 2.158 | 0.0176237 |
| 1434725_at | Gramd1c | GRAM domain containing 1C | 2.160 | 0.0045796 |
| 1448741_at | Slc3a1 | solute carrier family 3, member 1 | 2.160 | 0.0094216 |
| 1453240_a_at | Gcap14 | granule cell antiserum positive 14 | 2.162 | 0.0277057 |
| 1419103_a_at | Abhd6 | abhydrolase domain containing 6 | 2.163 | 0.0061025 |
| 1420909_at | Vegfa | vascular endothelial growth factor A | 2.163 | 0.0046046 |
| 1423596_at | Nek6 | NIMA (never in mitosis gene a)-related expressed kinase 6 | 2.164 | 0.0014291 |

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|---------------------------|---------------|--|-------|-----------|
| 1424176_a_at | Anxa4 | annexin A4 | 2.164 | 0.002485 |
| 1415677_at | Dhrs1 | dehydrogenase/reductase (SDR family) member 1 | 2.165 | 0.0497918 |
| 1426165_a_at | Casp3 | caspase 3 | 2.165 | 0.015194 |
| AFFX-GapdhMur/M32599_5_at | Gapdh | glyceraldehyde-3-phosphate dehydrogenase | 2.167 | 0.0094093 |
| 1417388_at | Bex2 | brain expressed X-linked 2 | 2.167 | 0.0097754 |
| 1437252_at | Gats | opposite strand transcription unit to Stag3 | 2.169 | 0.0019627 |
| 1437868_at | BC023892 | cDNA sequence BC023892 | 2.169 | 0.0012138 |
| 1452920_a_at | Ppil2 | peptidylprolyl isomerase (cyclophilin)-like 2 | 2.169 | 0.0008622 |
| 1428151_x_at | Ccbl1 | cysteine conjugate-beta lyase 1 | 2.170 | 0.0024236 |
| 1447744_s_at | 1700110K17Rik | RIKEN cDNA 1700110K17 gene | 2.171 | 0.004565 |
| 1458218_s_at | Pde7a | phosphodiesterase 7A | 2.171 | 0.0008369 |
| 1419817_s_at | Ankzf1 | ankyrin repeat and zinc finger domain containing 1 | 2.175 | 0.0044014 |
| 1418838_at | Abcd1 | ATP-binding cassette, sub-family D (ALD), member 1 | 2.175 | 0.0057456 |
| 1426975_at | Os9 | amplified in osteosarcoma | 2.176 | 0.0073371 |
| 1426098_a_at | Cast | calpastatin | 2.176 | 0.005457 |
| 1449419_at | Dock8 | dedicator of cytokinesis 8 | 2.177 | 0.0008288 |
| 1455500_at | Rnf213 | ring finger protein 213 | 2.178 | 0.0024538 |

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|--------------|-------------------|--|-------|-----------|
| 1427261_at | Wwc1 | WW, C2 and coiled-coil domain containing 1 | 2.178 | 0.0019764 |
| 1415737_at | Rfk | riboflavin kinase | 2.179 | 0.0012384 |
| 1419024_at | Ptp4a1 | protein tyrosine phosphatase 4a1 | 2.179 | 0.0135385 |
| 1441075_at | Nostrin | nitric oxide synthase trafficker | 2.179 | 0.0071623 |
| 1460729_at | Rock1 | Rho-associated coiled-coil containing protein kinase 1 | 2.181 | 0.0080808 |
| 1459151_x_at | Ifi35 | interferon-induced protein 35 | 2.183 | 0.002691 |
| 1452213_at | Tex2 | testis expressed gene 2 | 2.184 | 0.0040031 |
| 1455340_at | D030011O10 Rik | RIKEN cDNA D030011O10 gene | 2.187 | 0.0020065 |
| 1451192_a_at | Ttc4 | tetratricopeptide repeat domain 4 | 2.187 | 0.004 |
| 1422469_at | Tbk1 | TANK-binding kinase 1 | 2.190 | 0.0024737 |
| 1417666_at | Dnttip1 | deoxynucleotidyltransferase, terminal, interacting protein 1 | 2.192 | 0.0010015 |
| 1430533_a_at | Ctnnb1 | catenin (cadherin associated protein), beta 1 | 2.192 | 0.0017774 |
| 1428565_at | Unkl | unkempt-like (Drosophila) | 2.194 | 0.0058161 |
| 1451119_a_at | Fbln1 | fibulin 1 | 2.194 | 0.015226 |
| 1417611_at | Tmem37 | transmembrane protein 37 | 2.194 | 0.0161354 |
| 1424951_at | Baiap2l1 | BAI1-associated protein 2-like 1 | 2.194 | 0.0018669 |

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|--------------|----------|--|-------|-----------|
| 1421064_at | Mpp5 | membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5) | 2.195 | 0.0012719 |
| 1417061_at | Slc40a1 | solute carrier family 40 (iron-regulated transporter), member 1 | 2.196 | 0.0096531 |
| 1427406_at | Trip11 | thyroid hormone receptor interactor 11 | 2.198 | 0.0013893 |
| 1457209_at | Ddhd2 | DDHD domain containing 2 | 2.199 | 0.0182716 |
| 1430165_at | Stk17b | serine/threonine kinase 17b (apoptosis-inducing) | 2.201 | 0.0020796 |
| 1435880_at | Ankrd50 | ankrin repeat domain 50 | 2.201 | 0.0009859 |
| 1452237_at | Hrb | HIV-1 Rev binding protein | 2.202 | 0.002995 |
| 1422677_at | Dgat2 | diacylglycerol O-acyltransferase 2 | 2.202 | 0.0013084 |
| 1424646_at | Uck1 | uridine-cytidine kinase 1-like 1 | 2.202 | 0.0008373 |
| 1438118_x_at | Vim | vimentin | 2.204 | 0.0059732 |
| 1452186_at | Rbm5 | RNA binding motif protein 5 | 2.205 | 0.0006874 |
| 1456927_at | Mast2 | microtubule associated serine/threonine kinase 2 | 2.205 | 0.0058732 |
| 1455128_x_at | Tnrc6a | trinucleotide repeat containing 6a | 2.205 | 0.0012039 |
| 1423875_at | AI450540 | expressed sequence AI450540 | 2.206 | 0.0023954 |
| 1419147_at | Rec8 | REC8 homolog (yeast) | 2.206 | 0.0015377 |

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|--------------|-------------------|---|-------|-----------|
| 1441331_at | A230061C15 Rik | RIKEN cDNA A230061C15 gene | 2.207 | 0.0075659 |
| 1456413_at | Pde4dip | phosphodiesterase 4D interacting protein (myomegalin) | 2.208 | 0.0020284 |
| 1419091_a_at | Anxa2 | annexin A2 | 2.208 | 0.0010929 |
| 1419879_s_at | Trim25 | tripartite motif- containing 25 | 2.209 | 0.0022767 |
| 1424932_at | Egfr | epidermal growth factor receptor | 2.211 | 0.0016443 |
| 1451196_at | Ypel5 | yippee-like 5 (Drosophila) | 2.213 | 0.0011779 |
| 1431197_at | Arl6ip2 | ADP-ribosylation factor-like 6 interacting protein 2 | 2.214 | 0.0136415 |
| 1421912_at | Slc23a1 | solute carrier family 23 (nucleobase transporters), member 1 | 2.214 | 0.0043131 |
| 1423269_a_at | Nedd4l | neural precursor cell expressed, developmentally down-regulated gene 4-like | 2.214 | 0.0008382 |
| 1455105_at | Ptpn12 | protein tyrosine phosphatase, non receptor type 12 | 2.214 | 0.0009233 |
| 1434348_at | Fez2 | fasciculation and elongation protein zeta 2 (zygin II) | 2.217 | 0.0016468 |
| 1424349_a_at | Lpgat1 | lysophosphatidylg lycerol acyltransferase 1 | 2.217 | 0.0113898 |
| 1429038_at | Dda1 | DET1 and DDB1 associated 1 | 2.218 | 0.0069246 |
| 1425974_a_at | Trim25 | tripartite motif- containing 25 | 2.221 | 0.0007563 |

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|--------------|--------|---|-------|-----------|
| 1448539_a_at | Acy3 | aspartoacylase (aminoacylase) 3 | 2.221 | 0.0148356 |
| 1439094_at | Cltc | clathrin, heavy polypeptide (Hc) | 2.222 | 0.0023845 |
| 1452347_at | Mef2a | myocyte enhancer factor 2A | 2.223 | 0.0026354 |
| 1438345_at | NA | NA | 2.224 | 0.0033479 |
| 1425464_at | Gata6 | GATA binding protein 6 | 2.225 | 0.0088166 |
| 1424528_at | Cgref1 | cell growth regulator with EF hand domain 1 | 2.225 | 0.0415487 |
| 1453740_a_at | Ccnl2 | cyclin L2 | 2.226 | 0.0010612 |
| 1420747_at | Ppnr | per-pentamer repeat gene | 2.226 | 0.0055588 |
| 1435769_at | Akap9 | A kinase (PRKA) anchor protein (yotiao) 9 | 2.226 | 0.0038087 |
| 1434754_at | Garnl4 | GTPase activating RANGAP domain- like 4 | 2.227 | 0.0016103 |
| 1438610_a_at | Cryz | crystallin, zeta | 2.228 | 0.0088684 |
| 1417481_at | Ramp1 | receptor (calcitonin) activity modifying protein 1 | 2.229 | 0.0138493 |
| 1457149_at | Ttc22 | tetratricopeptide repeat domain 22 | 2.232 | 0.0029205 |
| 1442199_at | Btnl2 | butyrophilin-like 2 | 2.233 | 0.0119678 |
| 1448189_a_at | Flii | flightless I homolog (Drosophila) | 2.234 | 0.0008372 |
| 1429144_at | Prei4 | preimplantation protein 4 | 2.236 | 0.0023843 |
| 1450918_s_at | Src | Rous sarcoma oncogene | 2.236 | 0.0029804 |

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|--------------|----------|--|-------|-----------|
| 1422824_s_at | Eps8 | epidermal growth factor receptor pathway substrate 8 | 2.236 | 0.0007492 |
| 1444097_at | Metrn1 | meteorin, glial cell differentiation regulator-like | 2.237 | 0.0058447 |
| 1427773_a_at | Rabac1 | Rab acceptor 1 (prenylated) | 2.237 | 0.0038703 |
| 1426030_a_at | Apeh | acylpeptide hydrolase | 2.238 | 0.0016411 |
| 1426313_at | Bre | brain and reproductive organ-expressed protein | 2.239 | 0.0015751 |
| 1429311_at | Ube2q1 | ubiquitin-conjugating enzyme E2Q (putative) 1 | 2.239 | 0.0024869 |
| 1450479_x_at | Ptpn12 | protein tyrosine phosphatase, non receptor type 12 | 2.240 | 0.0014007 |
| 1418460_at | Sh3d19 | SH3 domain protein D19 | 2.240 | 0.0044238 |
| 1454864_at | Zfp592 | zinc finger protein 592 | 2.241 | 0.0018738 |
| 1448694_at | Jun | Jun oncogene | 2.241 | 0.0012538 |
| 1448301_s_at | Serpib1a | serine (or cysteine) peptidase inhibitor, clade B, member 1a | 2.242 | 0.0008143 |
| 1425359_at | Mall | mal, T-cell differentiation protein-like | 2.242 | 0.009976 |
| 1418816_at | Chmp1b | chromatin modifying protein 1B | 2.244 | 0.0012535 |
| 1460315_s_at | Tbk1 | TANK-binding kinase 1 | 2.246 | 0.001203 |
| 1437503_a_at | Shisa5 | shisa homolog 5 (Xenopus laevis) | 2.246 | 0.0006306 |

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|--------------|---------|--|-------|-----------|
| 1423391_at | Git2 | G protein-coupled receptor kinase-interactor 2 | 2.247 | 0.002298 |
| 1419388_at | Tm4sf20 | transmembrane 4 L six family member 20 | 2.251 | 0.0090827 |
| 1416593_at | Glrx | glutaredoxin | 2.254 | 0.0035982 |
| 1417857_at | Mmaa | methylmalonic aciduria (cobalamin deficiency) type A | 2.257 | 0.0005846 |
| 1437437_x_at | Dnpep | aspartyl aminopeptidase | 2.257 | 0.0012203 |
| 1451628_a_at | Ank3 | ankyrin 3, epithelial | 2.258 | 0.000928 |
| 1416351_at | Map2k1 | mitogen-activated protein kinase kinase 1 | 2.259 | 0.0027627 |
| 1432195_s_at | Ccnl2 | cyclin L2 | 2.260 | 0.001344 |
| 1430388_a_at | Sulf2 | sulfatase 2 | 2.260 | 0.0148551 |
| 1416308_at | Ugdh | UDP-glucose dehydrogenase | 2.261 | 0.0025213 |
| 1427374_at | Muc3 | mucin 3, intestinal | 2.261 | 0.0026519 |
| 1437756_at | Gimap9 | GTPase, IMAP family member 9 | 2.262 | 0.0427556 |
| 1415864_at | Bpgm | 2,3-bisphosphoglycerate mutase | 2.262 | 0.004222 |
| 1447830_s_at | Rgs2 | regulator of G-protein signaling 2 | 2.265 | 0.0062811 |
| 1424356_a_at | Metrn1 | meteorin, glial cell differentiation regulator-like | 2.266 | 0.0027353 |
| 1458148_at | Nlrc3 | NLR family, CARD domain containing 3 | 2.266 | 0.0267634 |

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|--------------|---------------|---|-------|-----------|
| 1440151_s_at | Edf1 | endothelial differentiation-related factor 1 | 2.268 | 0.0059134 |
| 1443928_at | Cytip | cytohesin 1 interacting protein | 2.270 | 0.0008961 |
| 1429564_at | Pcgf5 | polycomb group ring finger 5 | 2.272 | 0.003626 |
| 1459874_s_at | Mtmr4 | myotubularin related protein 4 | 2.272 | 0.0012315 |
| 1420411_a_at | Pi4k2b | phosphatidylinositol 4-kinase type 2 beta | 2.272 | 0.0062766 |
| 1453583_at | Zzef1 | zinc finger, ZZ-type with EF hand domain 1 | 2.273 | 0.0013924 |
| 1443721_x_at | Sbno2 | strawberry notch homolog 2 (Drosophila) | 2.273 | 0.0029947 |
| 1428881_at | Klc1 | kinesin light chain 1 | 2.274 | 0.004303 |
| 1453313_at | Sesn3 | sestrin 3 | 2.275 | 0.0041377 |
| 1425900_at | Hkdc1 | hexokinase domain containing 1 | 2.276 | 0.0056659 |
| 1447923_at | 1810026B05Rik | RIKEN cDNA 1810026B05 gene | 2.277 | 0.0015781 |
| 1456918_at | Raph1 | Ras association (RalGDS/AF-6) and pleckstrin homology domains 1 | 2.278 | 0.001003 |
| 1422045_a_at | Ptpn12 | protein tyrosine phosphatase, non receptor type 12 | 2.278 | 0.001162 |
| 1426623_a_at | Arhgap17 | Rho GTPase activating protein 17 | 2.279 | 0.0012359 |
| 1435155_at | Cgn | cingulin | 2.280 | 0.0013651 |

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| 1417982_at | Insig2 | insulin induced gene 2 | 2.280 | 0.0012588 |
| 1450941_at | Sdcbp | syndecan binding protein | 2.281 | 0.0006465 |
| 1446473_at | 4732418C07Rik | RIKEN cDNA 4732418C07 gene | 2.281 | 0.0005893 |
| 1415919_at | Npdc1 | neural proliferation, differentiation and control gene 1 | 2.282 | 0.0006477 |
| 1419585_at | Rp2h | retinitis pigmentosa 2 homolog (human) | 2.282 | 0.0034989 |
| 1416946_a_at | Acaa1a | acetyl-Coenzyme A acyltransferase 1A | 2.283 | 0.0030224 |
| 1437724_x_at | Pitpmn1 | phosphatidylinositol transfer protein, membrane-associated 1 | 2.285 | 0.0011609 |
| 1427418_a_at | Hif1a | hypoxia inducible factor 1, alpha subunit | 2.286 | 0.0006109 |
| 1437048_x_at | Stxbp2 | syntaxin binding protein 2 | 2.288 | 0.0023551 |
| 1460367_at | Hbp1 | high mobility group box transcription factor 1 | 2.288 | 0.003217 |
| 1427407_s_at | Trip11 | thyroid hormone receptor interactor 11 | 2.293 | 0.0008541 |
| 1435750_at | Gchfr | GTP cyclohydrolase I feedback regulator | 2.294 | 0.0032426 |
| 1451276_at | Uhrf1bp1l | UHRF1 (ICBP90) binding protein 1-like | 2.296 | 0.0054304 |
| 1457026_at | Liph | lipase, member H | 2.296 | 0.0006063 |

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|--------------|---------------|--|-------|-----------|
| 1449330_at | Pdzd3 | PDZ domain containing 3 | 2.299 | 0.0010639 |
| 1436337_at | 4930420K17Rik | RIKEN cDNA 4930420K17 gene | 2.304 | 0.0033003 |
| 1437683_x_at | Serf2 | small EDRK-rich factor 2 | 2.304 | 0.0069699 |
| 1434898_at | Tnrc6a | trinucleotide repeat containing 6a | 2.305 | 0.0076081 |
| 1416035_at | Hif1a | hypoxia inducible factor 1, alpha subunit | 2.305 | 0.0029103 |
| 1449403_at | Pde9a | phosphodiesterase 9A | 2.305 | 0.000627 |
| 1417707_at | N4bp2l1 | NEDD4 binding protein 2-like 1 | 2.307 | 0.0142691 |
| 1450494_x_at | Ceacam1 | carcinoembryonic antigen-related cell adhesion molecule 1 | 2.307 | 0.0127531 |
| 1425584_x_at | NA | NA | 2.310 | 0.0123834 |
| 1441236_at | Slc9a3 | solute carrier family 9 (sodium/hydrogen exchanger), member 3 | 2.310 | 0.0049968 |
| 1453512_at | 5830407P18Rik | RIKEN cDNA 5830407P18 gene | 2.311 | 0.005241 |
| 1434592_at | Slc16a10 | solute carrier family 16 (monocarboxylic acid transporters), member 10 | 2.311 | 0.0211663 |
| 1444320_at | Ddhd2 | DDHD domain containing 2 | 2.311 | 0.0206562 |
| 1416409_at | Acox1 | acyl-Coenzyme A oxidase 1, palmitoyl | 2.312 | 0.002011 |
| 1427878_at | 0610010O12Rik | RIKEN cDNA 0610010O12 gene | 2.312 | 0.0020152 |

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|--------------|---------------|--|-------|-----------|
| 1460585_x_at | Pisd | phosphatidylserine decarboxylase | 2.313 | 0.0010456 |
| 1450093_s_at | Zbtb7a | zinc finger and BTB domain containing 7a | 2.313 | 0.0404795 |
| 1458947_at | NA | NA | 2.313 | 0.0088526 |
| 1436556_at | Tmem139 | transmembrane protein 139 | 2.313 | 0.0014799 |
| 1451680_at | Srxn1 | sulfiredoxin 1 homolog (S. cerevisiae) | 2.314 | 0.0026254 |
| 1431299_a_at | 2310014H01Rik | RIKEN cDNA 2310014H01 gene | 2.322 | 0.0161452 |
| 1424617_at | Ifi35 | interferon-induced protein 35 | 2.323 | 0.0024073 |
| 1418352_at | Hsd17b2 | hydroxysteroid (17-beta) dehydrogenase 2 | 2.325 | 0.0028219 |
| 1450165_at | Slfn2 | schlafen 2 | 2.325 | 0.0039151 |
| 1418364_a_at | Ftl1 | ferritin light chain 1 | 2.326 | 0.0036806 |
| 1455181_at | Rasa2 | RAS p21 protein activator 2 | 2.328 | 0.0007089 |
| 1424530_at | Sec14l2 | SEC14-like 2 (S. cerevisiae) | 2.329 | 0.0006247 |
| 1451158_at | Trip12 | thyroid hormone receptor interactor 12 | 2.331 | 0.0132378 |
| 1427610_at | NA | NA | 2.332 | 0.010931 |
| 1419194_s_at | Gmfg | glia maturation factor, gamma | 2.332 | 0.0071701 |
| 1428385_at | 8-Mar | membrane-associated ring finger (C3HC4) 8 | 2.333 | 0.0014878 |
| 1421525_a_at | Naip5 | NLR family, apoptosis inhibitory protein 5 | 2.333 | 0.001721 |

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|--------------|----------------|--|-------|-----------|
| 1422702_at | Azin1 | antizyme inhibitor 1 | 2.334 | 0.0018898 |
| 1438294_at | Atn1 | ataxin 1 | 2.334 | 0.0059901 |
| 1425538_x_at | Ceacam1 | carcinoembryonic antigen-related cell adhesion molecule 1 | 2.336 | 0.030014 |
| 1447926_at | Arl5a | ADP-ribosylation factor-like 5A | 2.337 | 0.0010103 |
| 1457793_a_at | Whsc111 | Wolf-Hirschhorn syndrome candidate 1-like 1 (human) | 2.338 | 0.0044222 |
| 1417978_at | Eif4e3 | eukaryotic translation initiation factor 4E member 3 | 2.338 | 0.0040476 |
| 1439388_s_at | Bcar1 | breast cancer anti estrogen resistance 1 | 2.339 | 0.0005587 |
| 1416408_at | Acox1 | acyl-Coenzyme A oxidase 1, palmitoyl | 2.340 | 0.0106332 |
| 1419449_a_at | Gnai2 | guanine nucleotide binding protein (G protein), alpha inhibiting 2 | 2.340 | 0.0012079 |
| 1426225_at | Rbp4 | retinol binding protein 4, plasma | 2.343 | 0.0023525 |
| 1431173_at | A930008G19 Rik | RIKEN cDNA A930008G19 gene | 2.343 | 0.0052625 |
| 1452428_a_at | B2m | beta-2 microglobulin | 2.344 | 0.0014728 |
| 1434205_at | Ppp2r5c | protein phosphatase 2, regulatory subunit B (B56), gamma isoform | 2.344 | 0.0012474 |

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|--------------|---------------|--|-------|-----------|
| 1421840_at | Abca1 | ATP-binding cassette, sub-family A (ABC1), member 1 | 2.346 | 0.0096043 |
| 1423175_s_at | Pard6b | par-6 (partitioning defective 6) homolog beta (C. elegans) | 2.347 | 0.0006703 |
| 1451520_at | Spg20 | spastic paraplegia 20, spartin (Troyer syndrome) homolog (human) | 2.347 | 0.0011523 |
| 1456917_at | Arfgef1 | ADP-ribosylation factor guanine nucleotide-exchange factor 1 (brefeldin A-inhibited) | 2.348 | 0.0012758 |
| 1417108_at | Klc4 | kinesin light chain 4 | 2.348 | 0.0009048 |
| 1454149_a_at | Ccnl2 | cyclin L2 | 2.349 | 0.0006193 |
| 1429694_at | 4930402H24Rik | RIKEN cDNA 4930402H24 gene | 2.353 | 0.0079404 |
| 1452815_at | P2ry10 | purinergic receptor P2Y, G-protein coupled 10 | 2.353 | 0.0005301 |
| 1417991_at | Dio1 | deiodinase, iodothyronine, type I | 2.354 | 0.0097363 |
| 1457508_at | C430003N24Rik | RIKEN cDNA C430003N24 gene | 2.354 | 0.0015162 |
| 1444660_at | 4932438A13Rik | RIKEN cDNA 4932438A13 gene | 2.356 | 0.0006566 |
| 1459293_at | NA | NA | 2.358 | 0.0046928 |
| 1419674_a_at | Dpep1 | dipeptidase 1 (renal) | 2.359 | 0.019756 |
| 1436902_x_at | Tmsb10 | thymosin, beta 10 | 2.360 | 0.0008871 |
| 1449875_s_at | H2-T10 | histocompatibility 2, T region locus 10 | 2.361 | 0.0006829 |

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| 1431230_a_at | Btbd9 | BTB (POZ) domain containing 9 | 2.361 | 0.0040792 |
| 1451775_s_at | Il13ra1 | interleukin 13 receptor, alpha 1 | 2.363 | 0.0035932 |
| 1436909_at | Slc25a44 | solute carrier family 25, member 44 | 2.363 | 0.0074631 |
| 1416449_x_at | Stxbp2 | syntaxin binding protein 2 | 2.366 | 0.0005825 |
| 1452304_a_at | Arhgef5 | Rho guanine nucleotide exchange factor (GEF) 5 | 2.374 | 0.0008211 |
| 1424238_at | Sirt7 | sirtuin 7 (silent mating type information regulation 2, homolog) 7 (S. cerevisiae) | 2.375 | 0.0007643 |
| 1438999_a_at | Nfat5 | nuclear factor of activated T-cells 5 | 2.375 | 0.0005221 |
| 1428829_at | 6820401H01Rik | RIKEN cDNA 6820401H01 gene | 2.377 | 0.0006356 |
| 1446558_at | F730015K02Rik | RIKEN cDNA F730015K02 gene | 2.377 | 0.0494931 |
| 1425668_a_at | St3gal4 | ST3 beta-galactoside alpha-2,3-sialyltransferase 4 | 2.378 | 0.0056368 |
| 1424208_at | Ptger4 | prostaglandin E receptor 4 (subtype EP4) | 2.378 | 0.0012614 |
| 1435601_at | Phlpp1 | PH domain and leucine rich repeat protein phosphatase-like | 2.381 | 0.0039509 |
| 1459689_at | NA | NA | 2.382 | 0.0042031 |
| 1441467_at | NA | NA | 2.382 | 0.0125524 |

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|--------------|---------|---|-------|-----------|
| 1420913_at | Slco2a1 | solute carrier organic anion transporter family, member 2a1 | 2.382 | 0.0004568 |
| 1420174_s_at | Tax1bp1 | Tax1 (human T-cell leukemia virus type I) binding protein 1 | 2.383 | 0.0009379 |
| 1437226_x_at | Marcks1 | MARCKS-like 1 | 2.385 | 0.0007364 |
| 1432007_s_at | Ap2a2 | adaptor protein complex AP-2, alpha 2 subunit | 2.386 | 0.0130116 |
| 1431507_a_at | Synj2bp | synaptojanin 2 binding protein | 2.387 | 0.0008464 |
| 1426624_a_at | Ypel3 | yippee-like 3 (Drosophila) | 2.388 | 0.0027241 |
| 1431744_a_at | Smap1 | stromal membrane-associated protein 1 | 2.390 | 0.0082918 |
| 1444849_at | C76872 | expressed sequence C76872 | 2.391 | 0.0202892 |
| 1440076_at | NA | NA | 2.393 | 0.0029986 |
| 1416353_at | Nr1h2 | nuclear receptor subfamily 1, group H, member 2 | 2.393 | 0.0044595 |
| 1460239_at | Tspan13 | tetraspanin 13 | 2.394 | 0.0059794 |
| 1455980_a_at | Gas2l3 | growth arrest-specific 2 like 3 | 2.394 | 0.0014168 |
| 1424741_s_at | Creb3 | cAMP responsive element binding protein 3 | 2.396 | 0.0039301 |
| 1453796_a_at | Ergic2 | ERGIC and golgi 2 | 2.397 | 0.0029902 |
| 1451299_at | Prkx | protein kinase, X-linked | 2.399 | 0.0039114 |

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|--------------|----------|---|-------|-----------|
| 1431133_at | Arhgap18 | Rho GTPase activating protein 18 | 2.400 | 0.0015327 |
| 1457374_at | Nedd4l | neural precursor cell expressed, developmentally down-regulated gene 4-like | 2.400 | 0.0039457 |
| 1458518_at | Cpeb2 | cytoplasmic polyadenylation element binding protein 2 | 2.401 | 0.0004794 |
| 1434489_at | Elmo3 | engulfment and cell motility 3, ced-12 homolog (C. elegans) | 2.401 | 0.0014657 |
| 1443673_x_at | NA | NA | 2.402 | 0.0087254 |
| 1416656_at | Clic1 | chloride intracellular channel 1 | 2.403 | 0.0020158 |
| 1427357_at | Cda | cytidine deaminase | 2.406 | 0.0101222 |
| 1419167_at | Prap1 | proline-rich acidic protein 1 | 2.409 | 0.0030138 |
| 1419582_at | Cyp2c55 | cytochrome P450, family 2, subfamily c, polypeptide 55 | 2.410 | 0.0223481 |
| 1421268_at | Ugcg | UDP-glucose ceramide glucosyltransferase | 2.412 | 0.0005164 |
| 1425336_x_at | H2-K1 | histocompatibility 2, K1, K region | 2.414 | 0.0018702 |
| 1451821_a_at | Sp100 | nuclear antigen Sp100 | 2.416 | 0.0019518 |
| 1440893_at | Riok1 | RIO kinase 1 (yeast) | 2.416 | 0.0040006 |
| 1433748_at | Zdhhc18 | zinc finger, DHHC domain containing 18 | 2.416 | 0.0025647 |

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|--------------|---------|---|-------|-----------|
| 1426632_at | Kctd14 | potassium channel tetramerisation domain containing 14 | 2.417 | 0.0015521 |
| 1420745_a_at | Ccndbp1 | cyclin D-type binding-protein 1 | 2.421 | 0.0025984 |
| 1434303_at | Raph1 | Ras association (RalGDS/AF-6) and pleckstrin homology domains 1 | 2.424 | 0.0031452 |
| 1438279_at | Dpp4 | dipeptidylpeptidase 4 | 2.425 | 0.0023701 |
| 1427032_at | Herc4 | hect domain and RLD 4 | 2.425 | 0.0006585 |
| 1436623_at | Entpd7 | ectonucleoside triphosphate diphosphohydrolase 7 | 2.426 | 0.0164433 |
| 1424378_at | Ldlrap1 | low density lipoprotein receptor adaptor protein 1 | 2.429 | 0.0052571 |
| 1435353_a_at | Sfi1 | Sfi1 homolog, spindle assembly associated (yeast) | 2.430 | 0.000361 |
| 1450973_s_at | Mapkbp1 | mitogen-activated protein kinase binding protein 1 | 2.432 | 0.0035979 |
| 1451201_s_at | Rnh1 | ribonuclease/angiogenin inhibitor 1 | 2.433 | 0.0012762 |
| 1419758_at | Abcb1a | ATP-binding cassette, sub-family B (MDR/TAP), member 1A | 2.434 | 0.0018793 |
| 1426603_at | Rnasel | ribonuclease L (2'5'-oligoadenylate synthetase-dependent) | 2.435 | 0.0123403 |

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|--------------|-------------------|--|-------|-----------|
| 1448538_at | D4Wsu53e | DNA segment, Chr 4, Wayne State University 53, expressed | 2.436 | 0.0015907 |
| 1417335_at | Sult2b1 | sulfotransferase family, cytosolic, 2B, member 1 | 2.439 | 0.000484 |
| 1434082_at | Pctk2 | PCTAIRE-motif protein kinase 2 | 2.439 | 0.0006227 |
| 1417590_at | Cyp27a1 | cytochrome P450, family 27, subfamily a, polypeptide 1 | 2.440 | 0.0042723 |
| 1450484_a_at | Cmpk2 | cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial | 2.440 | 0.0013776 |
| 1456495_s_at | Osbpl6 | oxysterol binding protein-like 6 | 2.441 | 0.0015932 |
| 1441604_at | Esd | esterase D/formylglutathio ne hydrolase | 2.444 | 0.0004296 |
| 1439998_at | Jmjd1c | jumonji domain containing 1C | 2.444 | 0.0009605 |
| 1457825_x_at | Tcn2 | transcobalamin 2 | 2.445 | 0.0046816 |
| 1435697_a_at | Cytip | cytohesin 1 interacting protein | 2.446 | 0.0004366 |
| 1437129_at | E330018D03 Rik | RIKEN cDNA E330018D03 gene | 2.446 | 0.0065176 |
| 1460643_at | E1l | elongation factor RNA polymerase II | 2.447 | 0.0047814 |
| 1426879_at | 1190005F20R ik | RIKEN cDNA 1190005F20 gene | 2.447 | 0.0008869 |
| 1437259_at | Slc9a2 | solute carrier family 9 (sodium/hydroge n exchanger), member 2 | 2.447 | 0.0143117 |

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| 1416794_at | Arl6ip2 | ADP-ribosylation factor-like 6 interacting protein 2 | 2.449 | 0.0005974 |
| 1428373_at | lhpk2 | inositol hexaphosphate kinase 2 | 2.452 | 0.0017523 |
| 1448415_a_at | Sema3b | sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3B | 2.453 | 0.0037012 |
| 1428323_at | Gpd2 | glycerol phosphate dehydrogenase 2, mitochondrial | 2.453 | 0.0071966 |
| 1445862_at | 4921513D23Rik | RIKEN cDNA 4921513D23 gene | 2.458 | 0.0003433 |
| 1421489_a_at | 2010106E10Rik | RIKEN cDNA 2010106E10 gene | 2.458 | 0.0010965 |
| 1418073_at | Acot9 | acyl-CoA thioesterase 9 | 2.459 | 0.0004868 |
| 1451422_at | Myo18a | myosin XVIIIa | 2.460 | 0.002903 |
| 1422704_at | Gyk | glycerol kinase | 2.462 | 0.0004558 |
| 1454708_at | Ablim1 | actin-binding LIM protein 1 | 2.463 | 0.0003148 |
| 1458849_at | Asah2 | N-acylsphingosine amidohydrolase 2 | 2.467 | 0.0221308 |
| 1438581_at | Specc1l | SPECC1-like | 2.467 | 0.0006057 |
| 1415974_at | Map2k2 | mitogen-activated protein kinase kinase 2 | 2.467 | 0.0005041 |
| 1451253_at | Pxk | PX domain containing serine/threonine kinase | 2.467 | 0.000505 |

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| 1450622_at | Bcar1 | breast cancer anti estrogen resistance 1 | 2.468 | 0.0006001 |
| 1424441_at | Slc27a4 | solute carrier family 27 (fatty acid transporter), member 4 | 2.470 | 0.0003158 |
| 1452956_a_at | D12Ert647e | DNA segment, Chr 12, ERATO Doi 647, expressed | 2.472 | 0.0005282 |
| 1421957_a_at | Pcyt1a | phosphate cytidyltransferase 1, choline, alpha isoform | 2.472 | 0.0013127 |
| 1424794_at | Rnf186 | ring finger protein 186 | 2.474 | 0.0015567 |
| 1443983_at | NA | NA | 2.475 | 0.0131311 |
| 1418183_a_at | Cyth1 | cytohesin 1 | 2.475 | 0.0003863 |
| 1457619_at | BC015286 | cDNA sequence BC015286 | 2.476 | 0.0011216 |
| 1454915_at | Rab3gap2 | RAB3 GTPase activating protein subunit 2 | 2.479 | 0.0003943 |
| 1443137_at | NA | NA | 2.479 | 0.0320746 |
| 1440814_x_at | Hs3st2 | heparan sulfate (glucosamine) 3-O-sulfotransferase 2 | 2.479 | 0.0078366 |
| 1437513_a_at | Serinc1 | serine incorporator 1 | 2.480 | 0.0006257 |
| 1448402_at | Tln1 | talin 1 | 2.483 | 0.0019495 |
| 1451899_a_at | Gtf2ird1 | general transcription factor II I repeat domain-containing 1 | 2.483 | 0.0037342 |

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|--------------|-------------------|---|-------|-----------|
| 1435797_at | D5Wsu178e | DNA segment, Chr 5, Wayne State University 178, expressed | 2.485 | 0.0006072 |
| 1446330_at | NA | NA | 2.486 | 0.0144859 |
| 1437735_at | Ppp1r12a | protein phosphatase 1, regulatory (inhibitor) subunit 12A | 2.487 | 0.0003291 |
| 1416044_at | Flii | flightless I homolog (Drosophila) | 2.488 | 0.0009469 |
| 1417651_at | Cyp2c29 | cytochrome P450, family 2, subfamily c, polypeptide 29 | 2.489 | 0.002618 |
| 1450997_at | Stk17b | serine/threonine kinase 17b (apoptosis- inducing) | 2.490 | 0.0005118 |
| 1417980_a_at | Insig2 | insulin induced gene 2 | 2.491 | 0.0012472 |
| 1447141_at | AW107722 | expressed sequence AW107722 | 2.492 | 0.0008462 |
| 1423308_at | Tgoln1 | trans-golgi network protein | 2.492 | 0.012743 |
| 1426587_a_at | Stat3 | signal transducer and activator of transcription 3 | 2.493 | 0.0005725 |
| 1418627_at | Gclm | glutamate- cysteine ligase , modifier subunit | 2.494 | 0.0002411 |
| 1456806_at | A130010C12 Rik | RIKEN cDNA A130010C12 gene | 2.494 | 0.0019149 |
| 1417040_a_at | Bok | BCL2-related ovarian killer protein | 2.495 | 0.0003525 |

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|--------------|----------|---|-------|-----------|
| 1427040_at | Mdfic | MyoD family inhibitor domain containing | 2.496 | 0.0015901 |
| 1426502_s_at | Gpt | glutamic pyruvic transaminase, soluble | 2.501 | 0.0031803 |
| 1422302_s_at | Ftl2 | ferritin light chain 2 | 2.501 | 0.001453 |
| 1444421_at | Etohd2 | ethanol decreased 2 | 2.502 | 0.009108 |
| 1422638_s_at | Rassf5 | Ras association (RalGDS/AF-6) domain family member 5 | 2.503 | 0.0013765 |
| 1436329_at | Egr3 | early growth response 3 | 2.503 | 0.0019462 |
| 1428691_at | Chd2 | chromodomain helicase DNA binding protein 2 | 2.504 | 0.0003306 |
| 1418835_at | Phlda1 | pleckstrin homology-like domain, family A, member 1 | 2.507 | 0.0050764 |
| 1421011_at | Hsd17b11 | hydroxysteroid (17-beta) dehydrogenase 11 | 2.509 | 0.0005406 |
| 1441986_at | Zcchc6 | zinc finger, CCHC domain containing 6 | 2.513 | 0.0029542 |
| 1429796_at | Kalrn | kalirin, RhoGEF kinase | 2.514 | 0.00072 |
| 1426601_at | Slc37a1 | solute carrier family 37 (glycerol-3-phosphate transporter), member 1 | 2.516 | 0.0012629 |
| 1434917_at | Cobl | cordons-bleu | 2.516 | 0.0034156 |
| 1425079_at | Tm6sf2 | transmembrane 6 superfamily member 2 | 2.522 | 0.0191764 |

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|--------------|----------|---|-------|-----------|
| 1422185_a_at | Cyb5r3 | cytochrome b5 reductase 3 | 2.523 | 0.0017729 |
| 1419343_at | Slc15a1 | solute carrier family 15 (oligopeptide transporter), member 1 | 2.527 | 0.0027931 |
| 1415812_at | Gsn | gelsolin | 2.528 | 0.0003555 |
| 1421411_at | Pstpip2 | proline-serine-threonine phosphatase-interacting protein 2 | 2.528 | 0.0012533 |
| 1428300_at | Specc1l | SPECC1-like | 2.529 | 0.0005364 |
| 1451911_a_at | Ace | angiotensin I converting enzyme (peptidyl-dipeptidase A) 1 | 2.530 | 0.0043439 |
| 1428736_at | Gramd3 | GRAM domain containing 3 | 2.531 | 0.0006749 |
| 1453163_at | Ppp1r12a | protein phosphatase 1, regulatory (inhibitor) subunit 12A | 2.531 | 0.0002824 |
| 1439479_at | Lct | lactase | 2.533 | 0.0034472 |
| 1449071_at | Myl7 | myosin, light polypeptide 7, regulatory | 2.534 | 0.0014414 |
| 1418984_at | Inadl | InaD-like (Drosophila) | 2.534 | 0.0002975 |
| 1424294_at | Ppp4r1 | protein phosphatase 4, regulatory subunit 1 | 2.535 | 0.0005355 |
| 1450034_at | Stat1 | signal transducer and activator of transcription 1 | 2.537 | 0.0007909 |

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|--------------|-----------|---|-------|-----------|
| 1426491_at | Herc2 | hect (homologous to the E6-AP (UBE3A) carboxyl terminus) domain and RCC1 (CHC1)-like domain (RLD) 2 | 2.538 | 0.0006829 |
| 1429123_at | Rab27a | RAB27A, member RAS oncogene family | 2.538 | 0.0018845 |
| 1417953_at | D6Wsu176e | DNA segment, Chr 6, Wayne State University 176, expressed | 2.540 | 0.0008384 |
| 1427164_at | Il13ra1 | interleukin 13 receptor, alpha 1 | 2.540 | 0.0004671 |
| 1425822_a_at | Dtx1 | deltex 1 homolog (Drosophila) | 2.543 | 0.0014275 |
| 1435665_at | AI451617 | expressed sequence AI451617 | 2.543 | 0.0013282 |
| 1433805_at | Jak1 | Janus kinase 1 | 2.545 | 0.0007126 |
| 1423452_at | Stk17b | serine/threonine kinase 17b (apoptosis-inducing) | 2.546 | 0.0005069 |
| 1419446_at | Tbc1d1 | TBC1 domain family, member 1 | 2.548 | 0.0165106 |
| 1427294_a_at | Slc38a10 | solute carrier family 38, member 10 | 2.555 | 0.0136516 |
| 1456262_at | Rbm5 | RNA binding motif protein 5 | 2.555 | 0.0004372 |
| 1426633_s_at | Kctd14 | potassium channel tetramerisation domain containing 14 | 2.556 | 0.0003247 |
| 1425456_a_at | Map2k3 | mitogen-activated protein kinase kinase 3 | 2.557 | 0.0047848 |

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|--------------|-------------------|--|-------|-----------|
| 1428359_s_at | 1810010M01 Rik | RIKEN cDNA 1810010M01 gene | 2.557 | 0.0023089 |
| 1439079_a_at | Erb2ip | Erb2 interacting protein | 2.557 | 0.0012113 |
| 1417141_at | Igtp | interferon gamma induced GTPase | 2.559 | 0.0024735 |
| 1460694_s_at | Svil | supervillin | 2.559 | 0.0002685 |
| 1451407_at | Igsf5 | immunoglobulin superfamily, member 5 | 2.559 | 0.0022987 |
| 1429392_at | Wdr40a | WD repeat domain 40A | 2.561 | 0.0065364 |
| 1419238_at | Abca7 | ATP-binding cassette, sub- family A (ABC1), member 7 | 2.567 | 0.000532 |
| 1448207_at | Lasp1 | LIM and SH3 protein 1 | 2.570 | 0.0162203 |
| 1452716_at | 5730469M10 Rik | RIKEN cDNA 5730469M10 gene | 2.572 | 0.0089572 |
| 1427630_x_at | Ceacam1 | carcinoembryonic antigen-related cell adhesion molecule 1 | 2.577 | 0.0257038 |
| 1452217_at | Ahnak | AHNAK nucleoprotein (desmoyokin) | 2.580 | 0.000499 |
| 1429608_at | Adh6a | alcohol dehydrogenase 6A (class V) | 2.580 | 0.0006041 |
| 1415949_at | Cpe | carboxypeptidase E | 2.580 | 0.0024898 |
| 1457404_at | Nfkbiz | nuclear factor of kappa light polypeptide gene enhancer in B- cells inhibitor, zeta | 2.584 | 0.0018612 |
| 1425136_x_at | Dnm2 | dynamamin 2 | 2.584 | 0.0037902 |

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|--------------|---------------|---|-------|-----------|
| 1438503_x_at | Edf1 | endothelial differentiation-related factor 1 | 2.585 | 0.0005259 |
| 1446939_at | NA | NA | 2.591 | 0.0075099 |
| 1448510_at | Efna1 | ephrin A1 | 2.591 | 0.0010735 |
| 1426397_at | Tgfbr2 | transforming growth factor, beta receptor II | 2.591 | 0.0001969 |
| 1450642_at | 3110001I20Rik | RIKEN cDNA 3110001I20 gene | 2.593 | 0.000507 |
| 1452622_a_at | Tradd | TNFRSF1A-associated via death domain | 2.593 | 0.0002044 |
| 1425118_at | Spire2 | spire homolog 2 (Drosophila) | 2.595 | 0.0014284 |
| 1452267_at | Flywch1 | FLYWCH-type zinc finger 1 | 2.597 | 0.0016135 |
| 1426923_at | Hrb | HIV-1 Rev binding protein | 2.600 | 0.0002343 |
| 1426928_at | Ccdc93 | coiled-coil domain containing 93 | 2.601 | 0.0003799 |
| 1424973_at | Cyp3a25 | cytochrome P450, family 3, subfamily a, polypeptide 25 | 2.601 | 0.0178488 |
| 1418947_at | Nek3 | NIMA (never in mitosis gene a)-related expressed kinase 3 | 2.606 | 0.0003718 |
| 1444479_at | NA | NA | 2.606 | 0.00045 |
| 1449107_at | Nudt4 | nudix (nucleoside diphosphate linked moiety X)-type motif 4 | 2.609 | 0.0002223 |
| 1426595_at | Slc18a1 | solute carrier family 18 (vesicular monoamine), member 1 | 2.610 | 0.0091975 |

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|--------------|-------------------|---|-------|-----------|
| 1435366_at | D430042O09 Rik | RIKEN cDNA D430042O09 gene | 2.612 | 0.0002731 |
| 1422721_at | Tnk1 | tyrosine kinase, non-receptor, 1 | 2.612 | 0.0003505 |
| 1448110_at | Sema4a | sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4A | 2.613 | 0.0016472 |
| 1450376_at | Mxi1 | Max interacting protein 1 | 2.613 | 0.0008963 |
| 1417394_at | Klf4 | Kruppel-like factor 4 (gut) | 2.614 | 0.0002056 |
| 1453286_at | Plxna2 | plexin A2 | 2.614 | 0.0006238 |
| 1451383_a_at | Chuk | conserved helix- loop-helix ubiquitous kinase | 2.615 | 0.0008589 |
| 1438716_at | AI451617 | expressed sequence AI451617 | 2.616 | 0.0023635 |
| 1434380_at | Gbp6 | guanylate binding protein 6 | 2.617 | 0.0018733 |
| 1428330_at | Dopey2 | dopey family member 2 | 2.617 | 0.0001716 |
| 1452228_at | Tbc1d23 | TBC1 domain family, member 23 | 2.618 | 0.0027038 |
| 1425895_a_at | Id1 | inhibitor of DNA binding 1 | 2.618 | 0.0002377 |
| 1431008_at | 0610037M15 Rik | RIKEN cDNA 0610037M15 gene | 2.622 | 0.0026787 |
| 1422650_a_at | Riok3 | RIO kinase 3 (yeast) | 2.623 | 0.0002128 |

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|--------------|---------------|---|-------|-----------|
| 1455399_at | Cnksr1 | connector enhancer of kinase suppressor of Ras 1 | 2.624 | 0.000427 |
| 1422943_a_at | Hspb1 | heat shock protein 1 | 2.625 | 0.0003348 |
| 1437244_at | Gas2l3 | growth arrest-specific 2 like 3 | 2.630 | 0.0004834 |
| 1429487_at | Ppp1r12a | protein phosphatase 1, regulatory (inhibitor) subunit 12A | 2.631 | 0.0071643 |
| 1428066_at | Ccdc120 | coiled-coil domain containing 120 | 2.632 | 0.000503 |
| 1425576_at | Ahcyl1 | S-adenosylhomocysteine hydrolase-like 1 | 2.632 | 0.0003599 |
| 1441058_at | Itpkb | inositol 1,4,5-trisphosphate 3-kinase B | 2.634 | 0.0044836 |
| 1440055_at | NA | NA | 2.635 | 0.0005794 |
| 1425227_a_at | Atp6v0a1 | ATPase, H+ transporting, lysosomal V0 subunit A1 | 2.638 | 0.0011175 |
| 1452445_at | Slc41a2 | solute carrier family 41, member 2 | 2.639 | 0.0010716 |
| 1425073_at | Plekhg6 | pleckstrin homology domain containing, family G (with RhoGef domain) member 6 | 2.645 | 0.0003561 |
| 1428574_a_at | Chn2 | chimerin (chimaerin) 2 | 2.645 | 0.0004414 |
| 1423393_at | Clic4 | chloride intracellular channel 4 (mitochondrial) | 2.647 | 0.0010835 |
| 1457593_at | 2610202C22Rik | RIKEN cDNA 2610202C22 gene | 2.648 | 0.0023399 |

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|--------------|---------------|--|-------|-----------|
| 1421043_s_at | Arhgef2 | rho/rac guanine nucleotide exchange factor (GEF) 2 | 2.649 | 0.0015562 |
| 1440020_at | NA | NA | 2.649 | 0.001545 |
| 1445746_at | NA | NA | 2.650 | 0.0023677 |
| 1425645_s_at | Cyp2b10 | cytochrome P450, family 2, subfamily b, polypeptide 10 | 2.654 | 0.0129829 |
| 1451275_at | Uhrf1bp1l | UHRF1 (ICBP90) binding protein 1-like | 2.655 | 0.0001997 |
| 1426922_s_at | Hrb | HIV-1 Rev binding protein | 2.655 | 0.0002963 |
| 1437813_at | Aim1l | absent in melanoma 1-like | 2.658 | 0.0009804 |
| 1421987_at | Papss2 | 3-phosphoadenosine 5-phosphosulfate synthase 2 | 2.658 | 0.0043555 |
| 1424857_a_at | Trim34 | tripartite motif-containing 34 | 2.658 | 0.0001878 |
| 1422619_at | Ppap2a | phosphatidic acid phosphatase 2a | 2.660 | 0.0135285 |
| 1449228_at | Sh3gl2 | SH3-domain GRB2-like 2 | 2.662 | 0.001399 |
| 1422917_at | Epha1 | Eph receptor A1 | 2.663 | 0.0114558 |
| 1424552_at | Casp8 | caspase 8 | 2.663 | 0.0001733 |
| 1431701_a_at | Pdzk1 | PDZ domain containing 1 | 2.664 | 0.0008376 |
| 1458980_at | NA | NA | 2.668 | 0.0052436 |
| 1458210_at | 9130404H23Rik | RIKEN cDNA 9130404H23 gene | 2.669 | 0.0001894 |
| 1418841_s_at | Cdc21l | cell division cycle 2-like 1 | 2.669 | 0.0004175 |

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|--------------|----------|---|-------|-----------|
| 1460351_at | S100a11 | S100 calcium binding protein A11 (calgizzarin) | 2.670 | 0.0016039 |
| 1428223_at | Mfsd2 | major facilitator superfamily domain containing 2 | 2.672 | 0.0018782 |
| 1445147_at | Psme4 | proteasome (prosome, macropain) activator subunit 4 | 2.677 | 0.004426 |
| 1435454_a_at | BC006779 | cDNA sequence BC006779 | 2.677 | 0.0002159 |
| 1425634_a_at | Tnk1 | tyrosine kinase, non-receptor, 1 | 2.680 | 0.001363 |
| 1426604_at | Rnasel | ribonuclease L (2'5'-oligoadenylate synthetase-dependent) | 2.680 | 0.0002453 |
| 1422823_at | Eps8 | epidermal growth factor receptor pathway substrate 8 | 2.684 | 0.0001678 |
| 1458619_at | NA | NA | 2.684 | 0.0010217 |
| 1416381_a_at | Prdx5 | peroxiredoxin 5 | 2.685 | 0.0005944 |
| 1418826_at | Ms4a6b | membrane-spanning 4-domains, subfamily A, member 6B | 2.688 | 0.0070232 |
| 1439349_at | Sbno2 | strawberry notch homolog 2 (Drosophila) | 2.689 | 0.0009765 |
| 1456212_x_at | Socs3 | suppressor of cytokine signaling 3 | 2.693 | 0.0009528 |
| 1417877_at | Eepd1 | endonuclease/exonuclease/phosphatase family domain containing 1 | 2.696 | 0.0003002 |

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| 1428509_at | Myo1e | myosin IE | 2.702 | 0.0003413 |
| 1423049_a_at | Tpm1 | tropomyosin 1, alpha | 2.703 | 0.0019223 |
| 1421872_at | Rab24 | RAB24, member RAS oncogene family | 2.704 | 0.0006642 |
| 1445391_at | Diap1 | diaphanous homolog 1 (Drosophila) | 2.705 | 0.0002807 |
| 1436502_at | Mtus1 | mitochondrial tumor suppressor 1 | 2.706 | 0.0016328 |
| 1426023_a_at | Rabep1 | rabaptin, RAB GTPase binding effector protein 1 | 2.708 | 0.0059652 |
| 1422735_at | Foxq1 | forkhead box Q1 | 2.711 | 0.0034563 |
| 1448548_at | Tulp4 | tubby like protein 4 | 2.711 | 0.0002404 |
| 1428471_at | Sorbs1 | sorbin and SH3 domain containing 1 | 2.712 | 0.000141 |
| 1424502_at | Oit1 | oncoprotein induced transcript 1 | 2.715 | 0.0016922 |
| 1449925_at | Cxcr3 | chemokine (C-X-C motif) receptor 3 | 2.715 | 0.0086793 |
| 1418097_a_at | Crif2 | cytokine receptor-like factor 2 | 2.718 | 0.0169792 |
| 1418562_at | Sf3b1 | splicing factor 3b, subunit 1 | 2.722 | 0.0009981 |
| 1437643_at | Cenpj | centromere protein J | 2.729 | 0.0004856 |
| 1456836_at | Itk | IL2-inducible T-cell kinase | 2.730 | 0.0020559 |
| 1446130_at | NA | NA | 2.733 | 0.0056995 |
| 1435979_a_at | Myo15b | myosin XVB | 2.733 | 0.0002398 |
| 1418767_at | Cyp4f13 | cytochrome P450, family 4, subfamily f, polypeptide 13 | 2.736 | 0.000785 |
| 1418884_x_at | Tuba1a | tubulin, alpha 1A | 2.737 | 0.00034 |

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|--------------|----------------|--|-------|-----------|
| 1422962_a_at | Psmb8 | proteasome (prosome, macropain) subunit, beta type 8 (large multifunctional peptidase 7) | 2.737 | 0.0010661 |
| 1436737_a_at | Sorbs1 | sorbin and SH3 domain containing 1 | 2.738 | 0.0003838 |
| 1435939_s_at | Hepacam2 | HEPACAM family member 2 | 2.744 | 0.0004587 |
| 1460378_a_at | Tes | testis derived transcript | 2.744 | 0.000469 |
| 1434026_at | Atp8b2 | ATPase, class I, type 8B, member 2 | 2.744 | 0.0041265 |
| 1429639_at | Prei4 | preimplantation protein 4 | 2.752 | 0.0105688 |
| 1421604_a_at | Klf3 | Kruppel-like factor 3 (basic) | 2.753 | 0.0009963 |
| 1429272_a_at | Apol7a | apolipoprotein L 7a | 2.755 | 0.000348 |
| 1427473_at | Gstm3 | glutathione S-transferase, mu 3 | 2.760 | 0.0138656 |
| 1416683_at | Plxnb2 | plexin B2 | 2.762 | 0.0001443 |
| 1458415_at | Clec2e | C-type lectin domain family 2, member e | 2.767 | 0.0001807 |
| 1436168_at | C730029A08 Rik | RIKEN cDNA C730029A08 gene | 2.768 | 0.0013947 |
| 1419128_at | Itgax | integrin alpha X | 2.769 | 0.0042742 |
| 1418148_at | Abhd1 | abhydrolase domain containing 1 | 2.772 | 0.0012132 |
| 1423086_at | Npc1 | Niemann Pick type C1 | 2.780 | 0.0009874 |
| 1448655_at | Lrp1 | low density lipoprotein receptor-related protein 1 | 2.780 | 0.000986 |
| 1450872_s_at | Lipa | lysosomal acid lipase A | 2.788 | 0.0063229 |
| 1419479_at | Sectm1b | secreted and transmembrane 1B | 2.798 | 0.0003774 |

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|--------------|---------------|--|-------|-----------|
| 1427186_a_at | Mef2a | myocyte enhancer factor 2A | 2.800 | 0.0004336 |
| 1433514_at | Etnk1 | ethanolamine kinase 1 | 2.800 | 0.0002811 |
| 1438558_x_at | Foxq1 | forkhead box Q1 | 2.803 | 0.0003205 |
| 1416689_at | Tuft1 | tuftelin 1 | 2.806 | 0.0003856 |
| 1424354_at | Tmem140 | transmembrane protein 140 | 2.809 | 0.0006992 |
| 1448783_at | Slc7a9 | solute carrier family 7 (cationic amino acid transporter, y+ system), member 9 | 2.811 | 0.0006706 |
| 1451564_at | Parp14 | poly (ADP-ribose) polymerase family, member 14 | 2.812 | 0.0001193 |
| 1450099_a_at | Gba | glucosidase, beta, acid | 2.818 | 0.0021538 |
| 1452934_at | Tmc5 | transmembrane channel-like gene family 5 | 2.823 | 0.0019612 |
| 1460203_at | Itpr1 | inositol 1,4,5-triphosphate receptor 1 | 2.825 | 0.0029982 |
| 1428479_at | Nfatc1 | nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1 | 2.825 | 0.0020834 |
| 1452214_at | Skil | SKI-like | 2.827 | 0.0003103 |
| 1451931_x_at | H2-L | histocompatibility 2, D region | 2.831 | 0.0009549 |
| 1436054_at | 9130227C08Rik | RIKEN cDNA 9130227C08Rik gene | 2.835 | 0.0001629 |
| 1416712_at | Pepd | peptidase D | 2.840 | 0.0023143 |
| 1418444_a_at | Gde1 | glycerophosphodiester phosphodiesterase 1 | 2.842 | 0.0037236 |

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|--------------|-------------------|---|-------|-----------|
| 1419279_at | Pip4k2a | phosphatidylinositol-5-phosphate 4-kinase, type II, alpha | 2.843 | 0.0060704 |
| 1438052_at | A130071D04 Rik | RIKEN cDNA A130071D04 gene | 2.844 | 0.0006432 |
| 1416127_a_at | Dnpep | aspartyl aminopeptidase | 2.844 | 0.0001181 |
| 1439501_at | Cbara1 | calcium binding atopy-related autoantigen 1 | 2.845 | 0.0015903 |
| 1422620_s_at | Ppap2a | phosphatidic acid phosphatase 2a | 2.848 | 0.0148943 |
| 1417244_a_at | Irf7 | interferon regulatory factor 7 | 2.850 | 0.0004387 |
| 1427746_x_at | H2-K1 | histocompatibility 2, K1, K region | 2.851 | 0.0004747 |
| 1452016_at | Alox5ap | arachidonate 5-lipoxygenase activating protein | 2.853 | 0.006033 |
| 1417370_at | Tff3 | trefoil factor 3, intestinal | 2.855 | 0.0015497 |
| 1420656_at | Abcg8 | ATP-binding cassette, sub-family G (WHITE), member 8 | 2.859 | 0.0035594 |
| 1460349_at | Prr14 | proline rich 14 | 2.860 | 0.0002238 |
| 1425733_a_at | Eps8 | epidermal growth factor receptor pathway substrate 8 | 2.860 | 0.0001021 |
| 1460063_at | D5Ertd798e | DNA segment, Chr 5, ERATO Doi 798, expressed | 2.860 | 0.0027327 |
| 1445534_at | Flnb | filamin, beta | 2.864 | 0.0010464 |

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|--------------|----------------|--|-------|-----------|
| 1450700_at | Cdc42ep3 | CDC42 effector protein (Rho GTPase binding) 3 | 2.868 | 0.0051687 |
| 1433694_at | Pde3b | phosphodiesterase 3B, cGMP-inhibited | 2.868 | 0.0003054 |
| 1437358_at | Wdfy1 | WD repeat and FYVE domain containing 1 | 2.869 | 0.0033131 |
| 1443837_x_at | Bcl2 | B-cell leukemia/lymphoma 2 | 2.872 | 0.0005083 |
| 1447774_x_at | 5730469M10 Rik | RIKEN cDNA 5730469M10 gene | 2.873 | 0.0011873 |
| 1436336_at | Pthr1 | peptidyl-tRNA hydrolase 1 homolog (S. cerevisiae) | 2.874 | 0.034 |
| 1416229_at | Rfk | riboflavin kinase | 2.875 | 0.0001875 |
| 1423389_at | Smad7 | MAD homolog 7 (Drosophila) | 2.875 | 0.0002032 |
| 1418031_at | Myo9b | myosin IXb | 2.876 | 0.0006911 |
| 1417277_at | Cyp4f16 | cytochrome P450, family 4, subfamily f, polypeptide 16 | 2.877 | 0.0003339 |
| 1460233_at | Guca2b | guanylate cyclase activator 2b (retina) | 2.880 | 0.0026874 |
| 1448266_at | Edf1 | endothelial differentiation-related factor 1 | 2.884 | 0.0008704 |
| 1423449_a_at | Actn4 | actinin alpha 4 | 2.885 | 0.0001955 |
| 1417070_at | Cyp4v3 | cytochrome P450, family 4, subfamily v, polypeptide 3 | 2.886 | 0.0376899 |
| 1460342_s_at | Mprip | myosin phosphatase Rho interacting protein | 2.887 | 0.000842 |

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|--------------|-------------------|---|-------|-----------|
| 1417995_at | Ptpn22 | protein tyrosine phosphatase, non receptor type 22 (lymphoid) | 2.889 | 0.0009599 |
| 1451784_x_at | H2-D1 | histocompatibility 2, D region locus 1 | 2.889 | 0.0009083 |
| 1455204_at | Pitpnc1 | phosphatidylinositol transfer protein, cytoplasmic 1 | 2.902 | 0.0005926 |
| 1434153_at | Shb | src homology 2 domain-containing transforming protein B | 2.903 | 0.0006258 |
| 1460722_at | Soat2 | sterol O-acyltransferase 2 | 2.907 | 0.0005445 |
| 1425760_a_at | Pitpnm1 | phosphatidylinositol transfer protein, membrane-associated 1 | 2.908 | 0.0005067 |
| 1438266_at | Adamtsl5 | ADAMTS-like 5 | 2.911 | 0.001523 |
| 1451283_at | 1810073G14 Rik | RIKEN cDNA 1810073G14 gene | 2.912 | 0.0001033 |
| 1448029_at | Tbx3 | T-box 3 | 2.914 | 0.0001715 |
| 1425826_a_at | Sorbs1 | sorbin and SH3 domain containing 1 | 2.919 | 0.0010138 |
| 1439107_a_at | Mll5 | myeloid/lymphoid or mixed-lineage leukemia 5 | 2.920 | 0.0006076 |
| 1432282_a_at | Tlcd2 | TLC domain containing 2 | 2.920 | 7.58E-05 |
| 1423570_at | Abcg1 | ATP-binding cassette, sub-family G (WHITE), member 1 | 2.920 | 0.0106689 |

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|--------------|---------------|--|-------|-----------|
| 1452138_a_at | Ace2 | angiotensin I converting enzyme (peptidyl-dipeptidase A) 2 | 2.921 | 0.0028642 |
| 1428420_a_at | 1200009I06Rik | RIKEN cDNA 1200009I06 gene | 2.921 | 0.0027157 |
| 1427165_at | Il13ra1 | interleukin 13 receptor, alpha 1 | 2.924 | 0.0076783 |
| 1452741_s_at | Gpd2 | glycerol phosphate dehydrogenase 2, mitochondrial | 2.929 | 0.0031791 |
| 1427480_at | Leap2 | liver-expressed antimicrobial peptide 2 | 2.930 | 0.0016441 |
| 1426972_at | Sec24d | Sec24 related gene family, member D (S. cerevisiae) | 2.938 | 0.0001917 |
| 1448183_a_at | Hif1a | hypoxia inducible factor 1, alpha subunit | 2.938 | 0.005272 |
| 1425545_x_at | H2-L | histocompatibility 2, D region | 2.939 | 0.0015055 |
| 1449908_at | Gip | gastric inhibitory polypeptide | 2.940 | 0.0009882 |
| 1429772_at | Plxna2 | plexin A2 | 2.944 | 0.0155904 |
| 1452348_s_at | Ifi205 | interferon activated gene 205 | 2.950 | 0.0008834 |
| 1416854_at | Slc34a2 | solute carrier family 34 (sodium phosphate), member 2 | 2.958 | 0.0084008 |
| 1455899_x_at | Socs3 | suppressor of cytokine signaling 3 | 2.963 | 0.0002521 |
| 1416708_a_at | Gramd1a | GRAM domain containing 1A | 2.965 | 0.00119 |

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|--------------|-------------|--|-------|-----------|
| 1434920_a_at | Evl | Ena-vasodilator stimulated phosphoprotein | 2.969 | 0.0007063 |
| 1419248_at | Rgs2 | regulator of G-protein signaling 2 | 2.974 | 0.0003301 |
| 1452329_at | Plekhn1 | pleckstrin homology domain containing, family N member 1 | 2.975 | 0.0023801 |
| 1454680_at | D5Erttd579e | DNA segment, Chr 5, ERATO Doi 579, expressed | 2.978 | 0.0001027 |
| 1417279_at | Itpr1 | inositol 1,4,5-triphosphate receptor 1 | 2.982 | 0.0036957 |
| 1448467_a_at | Ehbp111 | EH domain binding protein 1-like 1 | 2.986 | 0.0009725 |
| 1427885_at | Pold4 | polymerase (DNA directed), delta 4 | 2.986 | 0.0004647 |
| 1419450_at | Ormdl3 | ORM1-like 3 (S. cerevisiae) | 2.987 | 0.0012317 |
| 1450006_at | Ncoa4 | nuclear receptor coactivator 4 | 2.996 | 0.0016587 |
| 1417071_s_at | Cyp4v3 | cytochrome P450, family 4, subfamily v, polypeptide 3 | 3.001 | 0.0023587 |
| 1452771_s_at | Acsl3 | acyl-CoA synthetase long-chain family member 3 | 3.002 | 9.39E-05 |
| 1424575_at | Rab15 | RAB, member of RAS oncogene family-like 5 | 3.004 | 0.0003243 |
| 1428347_at | Cyfp2 | cytoplasmic FMR1 interacting protein 2 | 3.006 | 0.0009994 |

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|--------------|---------------|--|-------|-----------|
| 1426534_a_at | Arfgap3 | ADP-ribosylation factor GTPase activating protein 3 | 3.008 | 0.0003631 |
| 1460192_at | Osbpl1a | oxysterol binding protein-like 1A | 3.012 | 0.0001374 |
| 1423986_a_at | Shisa5 | shisa homolog 5 (Xenopus laevis) | 3.018 | 0.0001516 |
| 1437462_x_at | Mmp15 | matrix metalloproteinase 15 | 3.020 | 0.012013 |
| 1427910_at | Cst6 | cystatin E/M | 3.021 | 0.0018831 |
| 1424779_at | Reep3 | receptor accessory protein 3 | 3.025 | 0.000302 |
| 1438514_at | Npc111 | NPC1-like 1 | 3.027 | 0.000557 |
| 1426716_at | Tdrd7 | tudor domain containing 7 | 3.029 | 0.0002579 |
| 1442163_at | NA | NA | 3.032 | 0.0007628 |
| 1421066_at | Jak2 | Janus kinase 2 | 3.033 | 7.99E-05 |
| 1445695_at | NA | NA | 3.035 | 0.000512 |
| 1418131_at | Samhd1 | SAM domain and HD domain, 1 | 3.041 | 0.000147 |
| 1419039_at | Cyp2d22 | cytochrome P450, family 2, subfamily d, polypeptide 22 | 3.042 | 0.0005548 |
| 1439259_x_at | Abhd4 | abhydrolase domain containing 4 | 3.042 | 7.20E-05 |
| 1428383_a_at | 2310021P13Rik | RIKEN cDNA 2310021P13 gene | 3.043 | 0.0008114 |
| 1434059_at | B230312A22Rik | RIKEN cDNA B230312A22 gene | 3.045 | 0.0001667 |
| 1442453_at | Fcho2 | FCH domain only 2 | 3.047 | 0.0007176 |
| 1422678_at | Dgat2 | diacylglycerol O-acyltransferase 2 | 3.048 | 0.001099 |

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|--------------|---------|--|-------|-----------|
| 1425747_at | Dock5 | dedicator of cytokinesis 5 | 3.050 | 0.0007367 |
| 1448233_at | Prnp | prion protein | 3.050 | 7.32E-05 |
| 1421269_at | Ugcg | UDP-glucose ceramide glucosyltransferase | 3.052 | 0.0002309 |
| 1460330_at | Anxa3 | annexin A3 | 3.056 | 0.0028205 |
| 1450744_at | Ell2 | elongation factor RNA polymerase II 2 | 3.057 | 5.95E-05 |
| 1427199_at | Fryl | furry homolog-like (Drosophila) | 3.060 | 0.0002042 |
| 1421873_s_at | Rab24 | RAB24, member RAS oncogene family | 3.061 | 0.000328 |
| 1422147_a_at | Pla2g6 | phospholipase A2, group VI | 3.061 | 0.0018553 |
| 1417116_at | Slc6a8 | solute carrier family 6 (neurotransmitter transporter, creatine), member 8 | 3.066 | 7.49E-05 |
| 1416230_at | Rfk | riboflavin kinase | 3.068 | 0.0001135 |
| 1451714_a_at | Map2k3 | mitogen-activated protein kinase kinase 3 | 3.069 | 0.000102 |
| 1452368_at | Bcr | breakpoint cluster region | 3.071 | 0.0005246 |
| 1448566_at | Slc40a1 | solute carrier family 40 (iron-regulated transporter), member 1 | 3.074 | 0.0145907 |
| 1425102_a_at | Ace2 | angiotensin I converting enzyme (peptidyl-dipeptidase A) 2 | 3.082 | 0.0024482 |
| 1449043_at | Naga | N-acetyl galactosaminidase, alpha | 3.092 | 0.000366 |

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|------------------------------|---------------|--|-------|-----------|
| 1457794_at | Whsc111 | Wolf-Hirschhorn syndrome candidate 1-like 1 (human) | 3.096 | 0.0042563 |
| 1435653_at | NA | NA | 3.099 | 0.0001392 |
| 1457605_at | NA | NA | 3.104 | 0.0071417 |
| 1417856_at | Relb | avian reticuloendotheliosis viral (v-rel) oncogene related B | 3.104 | 0.0003617 |
| 1418149_at | Chga | chromogranin A | 3.107 | 0.0006233 |
| 1438011_at | Pcyt1a | phosphate cytidyltransferase 1, choline, alpha isoform | 3.108 | 0.0004196 |
| 1447421_at | NA | NA | 3.110 | 0.00153 |
| AFFX-PyruCarbMur/L09192_3_at | Pcx | pyruvate carboxylase | 3.116 | 6.10E-05 |
| 1456623_at | Tpm1 | tropomyosin 1, alpha | 3.120 | 0.0006434 |
| 1435394_s_at | Rhoc | ras homolog gene family, member C | 3.120 | 0.0003534 |
| 1460603_at | Samd9l | sterile alpha motif domain containing 9-like | 3.127 | 0.0002994 |
| 1425122_at | ORF9 | open reading frame 9 | 3.128 | 0.0001487 |
| 1416275_at | Slc26a6 | solute carrier family 26, member 6 | 3.129 | 0.0011266 |
| 1427980_at | 4933407C03Rik | RIKEN cDNA 4933407C03 gene | 3.131 | 5.37E-05 |
| 1427329_a_at | Igh-6 | immunoglobulin heavy chain 6 (heavy chain of IgM) | 3.132 | 0.0003388 |
| 1460255_at | Tnfsf13b | tumor necrosis factor (ligand) superfamily, member 13b | 3.135 | 0.0084425 |

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|--------------|-------------------|--|-------|-----------|
| 1436905_x_at | Laptm5 | lysosomal-associated protein transmembrane 5 | 3.135 | 0.0033771 |
| 1424053_a_at | Tcf25 | transcription factor 25 (basic helix-loop-helix) | 3.138 | 0.0001451 |
| 1435857_s_at | Aplp1 | amyloid beta (A4) precursor-like protein 1 | 3.138 | 0.0001235 |
| 1416304_at | Litaf | LPS-induced TN factor | 3.139 | 9.74E-05 |
| 1452784_at | Itgav | integrin alpha V | 3.141 | 5.43E-05 |
| 1452381_at | Creb3l2 | cAMP responsive element binding protein 3-like 2 | 3.145 | 0.000567 |
| 1460579_at | Dnpep | aspartyl aminopeptidase | 3.145 | 0.0041504 |
| 1429692_s_at | Gch1 | GTP cyclohydrolase 1 | 3.148 | 0.0002063 |
| 1423613_at | Ssfa2 | sperm specific antigen 2 | 3.152 | 0.0003317 |
| 1428466_at | Chd3 | chromodomain helicase DNA binding protein 3 | 3.169 | 0.0001996 |
| 1425019_at | Ubxn2a | UBX domain protein 2A | 3.179 | 0.0059981 |
| 1451486_at | Slc46a3 | solute carrier family 46, member 3 | 3.179 | 0.0003116 |
| 1435549_at | Trpm4 | transient receptor potential cation channel, subfamily M, member 4 | 3.179 | 0.0002317 |
| 1426893_at | C230093N12 Rik | RIKEN cDNA C230093N12 gene | 3.179 | 0.0001147 |
| 1435749_at | Gda | guanine deaminase | 3.181 | 9.55E-05 |
| 1418578_at | Dgka | diacylglycerol kinase, alpha | 3.192 | 4.02E-05 |

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|--------------|---------|--|-------|-----------|
| 1433910_at | Zcchc6 | zinc finger, CCHC domain containing 6 | 3.198 | 5.56E-05 |
| 1417214_at | Rab27b | RAB27b, member RAS oncogene family | 3.205 | 0.0068297 |
| 1417300_at | Smpdl3b | sphingomyelin phosphodiesterase, acid-like 3B | 3.205 | 0.0003562 |
| 1434140_at | Mcf2l | mcf.2 transforming sequence-like | 3.210 | 0.0008252 |
| 1424287_at | Prkx | protein kinase, X-linked | 3.210 | 0.0011517 |
| 1448562_at | Upp1 | uridine phosphorylase 1 | 3.215 | 0.0002242 |
| 1417434_at | Gpd2 | glycerol phosphate dehydrogenase 2, mitochondrial | 3.217 | 0.0001904 |
| 1452231_x_at | Ifi205 | interferon activated gene 205 | 3.217 | 0.0002329 |
| 1429262_at | Rassf6 | Ras association (RalGDS/AF-6) domain family member 6 | 3.219 | 9.48E-05 |
| 1420808_at | Ncoa4 | nuclear receptor coactivator 4 | 3.223 | 0.0003473 |
| 1424948_x_at | H2-K1 | histocompatibility 2, K1, K region | 3.227 | 0.0008663 |
| 1424040_at | Mtap7d1 | microtubule-associated protein 7 domain containing 1 | 3.231 | 0.000304 |
| 1417292_at | Ifi47 | interferon gamma inducible protein 47 | 3.235 | 4.13E-05 |
| 1437205_at | Tcf25 | transcription factor 25 (basic helix-loop-helix) | 3.238 | 0.000667 |

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|--------------|---------------|---|-------|-----------|
| 1451755_a_at | Apobec1 | apolipoprotein B mRNA editing enzyme, catalytic polypeptide 1 | 3.240 | 4.05E-05 |
| 1429197_s_at | Rabgap1l | RAB GTPase activating protein 1-like | 3.257 | 0.0012876 |
| 1424453_at | Pcyt1a | phosphate cytidyltransferase 1, choline, alpha isoform | 3.257 | 0.002021 |
| 1451261_s_at | Stap2 | signal transducing adaptor family member 2 | 3.258 | 8.38E-05 |
| 1416194_at | Cyp4b1 | cytochrome P450, family 4, subfamily b, polypeptide 1 | 3.259 | 0.0021173 |
| 1419656_at | Slc25a36 | solute carrier family 25, member 36 | 3.259 | 0.0007898 |
| 1425994_a_at | Asah2 | N-acylsphingosine amidohydrolase 2 | 3.267 | 0.0008342 |
| 1422975_at | Mme | membrane metallo endopeptidase | 3.279 | 0.0016693 |
| 1435748_at | Gda | guanine deaminase | 3.282 | 3.64E-05 |
| 1439050_at | NA | NA | 3.290 | 0.0003613 |
| 1416424_at | M6prbp1 | mannose-6-phosphate receptor binding protein 1 | 3.292 | 8.67E-05 |
| 1434302_at | Raph1 | Ras association (RalGDS/AF-6) and pleckstrin homology domains 1 | 3.295 | 8.75E-05 |
| 1428671_at | 2200002D01Rik | RIKEN cDNA 2200002D01 gene | 3.296 | 3.51E-05 |

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|--------------|----------|---|-------|-----------|
| 1430984_at | Azin1 | antizyme inhibitor 1 | 3.300 | 0.0043381 |
| 1424775_at | Oas1g | 2@#%&- 5@#%& oligoadenylate synthetase 1G | 3.303 | 3.22E-05 |
| 1416804_at | Ehbp111 | EH domain binding protein 1-like 1 | 3.307 | 0.0007113 |
| 1423626_at | Dst | dystonin | 3.317 | 3.51E-05 |
| 1450734_at | Sec16b | SEC16 homolog B (<i>S. cerevisiae</i>) | 3.323 | 0.0001314 |
| 1450726_at | Asah2 | N-acylsphingosine amidohydrolase 2 | 3.324 | 0.0005256 |
| 1427386_at | Arhgef16 | Rho guanine nucleotide exchange factor (GEF) 16 | 3.326 | 3.95E-05 |
| 1430527_a_at | Rnf167 | ring finger protein 167 | 3.330 | 0.0003761 |
| 1451753_at | Plxna2 | plexin A2 | 3.335 | 0.0015797 |
| 1448499_a_at | Ephx2 | epoxide hydrolase 2, cytoplasmic | 3.344 | 0.0003146 |
| 1449455_at | Hck | hemopoietic cell kinase | 3.345 | 0.0001707 |
| 1417961_a_at | Trim30 | tripartite motif-containing 30 | 3.363 | 9.29E-05 |
| 1420505_a_at | Stxbp1 | syntaxin binding protein 1 | 3.364 | 0.0006878 |
| 1426799_at | Rab8b | RAB8B, member RAS oncogene family | 3.366 | 8.17E-05 |
| 1439796_at | AI747448 | expressed sequence AI747448 | 3.374 | 0.0017801 |
| 1455056_at | Lmo7 | LIM domain only 7 | 3.402 | 8.62E-05 |
| 1450572_at | Akp3 | alkaline phosphatase 3, intestine, not Mn requiring | 3.404 | 0.0089442 |

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|--------------|---------|--|-------|-----------|
| 1424286_at | Prkx | protein kinase, X-linked | 3.419 | 0.0001183 |
| 1429049_at | Nuak2 | NUAK family, SNF1-like kinase, 2 | 3.423 | 5.24E-05 |
| 1451779_at | Pyroxd1 | pyridine nucleotide-disulphide oxidoreductase domain 1 | 3.426 | 0.0004579 |
| 1451683_x_at | H2-K1 | histocompatibility 2, K1, K region | 3.427 | 0.001835 |
| 1420493_a_at | Pcyt2 | phosphate cytidyltransferase 2, ethanolamine | 3.430 | 2.61E-05 |
| 1435679_at | Optn | optineurin | 3.430 | 5.05E-05 |
| 1446324_at | NA | NA | 3.432 | 0.0008197 |
| 1422703_at | Gyk | glycerol kinase | 3.434 | 0.0048345 |
| 1457271_at | Gm131 | gene model 131, (NCBI) | 3.442 | 0.001004 |
| 1418762_at | Cd55 | CD55 antigen | 3.451 | 5.67E-05 |
| 1424529_s_at | Cgref1 | cell growth regulator with EF hand domain 1 | 3.451 | 0.0003254 |
| 1416338_at | Sh3gl1 | SH3-domain GRB2-like 1 | 3.457 | 0.0004386 |
| 1433842_at | Lrrfip1 | leucine rich repeat (in FLII) interacting protein 1 | 3.459 | 6.89E-05 |
| 1448798_at | Eps8l3 | ESP8-like 3 | 3.461 | 5.20E-05 |
| 1430172_a_at | Cyp4f16 | cytochrome P450, family 4, subfamily f, polypeptide 16 | 3.465 | 8.72E-05 |
| 1448485_at | Ggt1 | gamma-glutamyltransferase 1 | 3.470 | 0.0004951 |
| 1426100_a_at | Tk2 | thymidine kinase 2, mitochondrial | 3.471 | 0.0022644 |

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|--------------|-------------------|--|-------|-----------|
| 1452351_at | C030027K23 Rik | RIKEN cDNA C030027K23 gene | 3.474 | 0.0009756 |
| 1447818_x_at | Rheb1 | Ras homolog enriched in brain like 1 | 3.479 | 2.86E-05 |
| 1425120_x_at | 1810023F06R ik | RIKEN cDNA 1810023F06 gene | 3.489 | 0.0001893 |
| 1452836_at | Lpin2 | lipin 2 | 3.489 | 0.000247 |
| 1426454_at | Arhgdib | Rho, GDP dissociation inhibitor (GDI) beta | 3.511 | 0.000248 |
| 1418734_at | H2-Q1 | histocompatibility 2, Q region locus 1 | 3.516 | 0.0006246 |
| 1439114_at | Ddx60 | DEAD (Asp-Glu- Ala-Asp) box polypeptide 60 | 3.519 | 0.002901 |
| 1427689_a_at | Tnip1 | TNFAIP3 interacting protein 1 | 3.523 | 3.33E-05 |
| 1456120_at | 3110001I20Ri k | RIKEN cDNA 3110001I20 gene | 3.539 | 0.0001148 |
| 1456888_at | Pfkfb4 | 6-phosphofructo- 2-kinase/fructose- 2,6- biphosphatase 4 | 3.545 | 5.71E-05 |
| 1416303_at | Litaf | LPS-induced TN factor | 3.551 | 6.46E-05 |
| 1451916_s_at | Trim15 | tripartite motif- containing 15 | 3.558 | 0.0003309 |
| 1430890_at | 2210010C17R ik | RIKEN cDNA 2210010C17 gene | 3.566 | 0.0001159 |
| 1426743_at | Appl2 | adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 2 | 3.573 | 6.06E-05 |

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|--------------|---------------|--|-------|-----------|
| 1420841_at | Ptprf | protein tyrosine phosphatase, receptor type, F | 3.573 | 0.0026292 |
| 1449556_at | H2-T23 | histocompatibility 2, T region locus 23 | 3.573 | 0.0001058 |
| 1445626_at | NA | NA | 3.596 | 1.98E-05 |
| 1425732_a_at | Mxi1 | Max interacting protein 1 | 3.598 | 0.0001741 |
| 1419613_at | Col7a1 | collagen, type VII, alpha 1 | 3.600 | 0.0016062 |
| 1415885_at | Chgb | chromogranin B | 3.603 | 8.17E-05 |
| 1446281_at | NA | NA | 3.605 | 0.0014474 |
| 1453283_at | Pgm1 | phosphoglucomutase 1 | 3.613 | 9.86E-05 |
| 1448683_at | Cyp2d26 | cytochrome P450, family 2, subfamily d, polypeptide 26 | 3.614 | 0.0036867 |
| 1449424_at | Plek2 | pleckstrin 2 | 3.619 | 0.000783 |
| 1438074_at | 2210010C17Rik | RIKEN cDNA 2210010C17 gene | 3.621 | 2.24E-05 |
| 1419247_at | Rgs2 | regulator of G-protein signaling 2 | 3.633 | 6.12E-05 |
| 1434046_at | AA467197 | expressed sequence AA467197 | 3.647 | 0.000125 |
| 1449220_at | Gimap3 | GTPase, IMAP family member 3 | 3.647 | 0.0002935 |
| 1426284_at | Krt20 | keratin 20 | 3.650 | 2.10E-05 |
| 1441026_at | Parp4 | poly (ADP-ribose) polymerase family, member 4 | 3.659 | 0.0011267 |
| 1442849_at | Lrp1 | low density lipoprotein receptor-related protein 1 | 3.661 | 0.003332 |

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|--------------|----------------|---|-------|-----------|
| 1422257_s_at | Cyp2b10 | cytochrome P450, family 2, subfamily b, polypeptide 10 | 3.667 | 0.0049965 |
| 1433465_a_at | AI467606 | expressed sequence AI467606 | 3.673 | 0.001588 |
| 1419393_at | Abcg5 | ATP-binding cassette, sub-family G (WHITE), member 5 | 3.677 | 0.0001531 |
| 1441823_at | Zmiz1 | zinc finger, MIZ-type containing 1 | 3.689 | 0.0002099 |
| 1438311_at | 2010002M12 Rik | RIKEN cDNA 2010002M12 gene | 3.693 | 2.06E-05 |
| 1425837_a_at | Ccrn4l | CCR4 carbon catabolite repression 4-like (<i>S. cerevisiae</i>) | 3.695 | 2.22E-05 |
| 1429778_at | Optn | optineurin | 3.706 | 1.79E-05 |
| 1429215_at | 2310058N22Rik | RIKEN cDNA 2310058N22 gene | 3.730 | 0.0001317 |
| 1422847_a_at | Prkcd | protein kinase C, delta | 3.731 | 2.84E-05 |
| 1421594_a_at | Sytl2 | synaptotagmin-like 2 | 3.743 | 0.0003553 |
| 1457253_at | Trim40 | tripartite motif-containing 40 | 3.746 | 2.17E-05 |
| 1428484_at | Osbpl3 | oxysterol binding protein-like 3 | 3.747 | 2.27E-05 |
| 1449968_s_at | Acot10 | acyl-CoA thioesterase 10 | 3.748 | 4.12E-05 |
| 1439038_at | 9130227C08Rik | RIKEN cDNA 9130227C08Rik gene | 3.758 | 0.0001625 |
| 1451206_s_at | Cytip | cytohesin 1 interacting protein | 3.776 | 0.0003814 |
| 1417843_s_at | Eps8l2 | EPS8-like 2 | 3.779 | 1.49E-05 |
| 1416488_at | Ccng2 | cyclin G2 | 3.781 | 1.83E-05 |
| 1459667_at | Arhgap17 | Rho GTPase activating protein 17 | 3.789 | 3.03E-05 |

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|--------------|-------------------|---|-------|-----------|
| 1439599_at | Gal3st2 | galactose-3-O-sulfotransferase 2 | 3.802 | 0.0002258 |
| 1425921_a_at | 1810055G02 Rik | RIKEN cDNA 1810055G02 gene | 3.810 | 0.0004489 |
| 1426014_a_at | Mupcdh | mucin-like protocadherin | 3.811 | 0.0004852 |
| 1434089_at | Synpo | synaptopodin | 3.811 | 9.65E-05 |
| 1456061_at | Gimap8 | GTPase, IMAP family member 8 | 3.856 | 0.0001139 |
| 1453596_at | Id2 | inhibitor of DNA binding 2 | 3.870 | 1.44E-05 |
| 1419523_at | Cyp3a13 | cytochrome P450, family 3, subfamily a, polypeptide 13 | 3.871 | 5.31E-05 |
| 1436959_x_at | Nelf | nasal embryonic LHRH factor | 3.874 | 0.0001996 |
| 1434067_at | AI662270 | expressed sequence AI662270 | 3.880 | 0.0011028 |
| 1419226_at | Cd96 | CD96 antigen | 3.905 | 0.0014275 |
| 1452270_s_at | Cubn | cubilin (intrinsic factor-cobalamin receptor) | 3.909 | 0.003102 |
| 1437045_at | Mapk8 | mitogen-activated protein kinase 8 | 3.909 | 1.76E-05 |
| 1428573_at | Chn2 | chimerin (chimaerin) 2 | 3.915 | 0.0001968 |
| 1424148_a_at | Stap2 | signal transducing adaptor family member 2 | 3.927 | 5.69E-05 |
| 1452833_at | Rapgef2 | Rap guanine nucleotide exchange factor (GEF) 2 | 3.930 | 6.40E-05 |
| 1437542_at | Ikzf2 | IKAROS family zinc finger 2 | 3.955 | 9.93E-05 |
| 1428435_at | Muc2 | mucin 2 | 3.964 | 0.0001769 |

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|--------------|-------------------|---|-------|-----------|
| 1431077_at | Alpi | alkaline phosphatase, intestinal | 3.982 | 8.21E-05 |
| 1439808_at | A130090K04 Rik | RIKEN cDNA A130090K04 gene | 3.984 | 0.0003031 |
| 1450109_s_at | Abcc2 | ATP-binding cassette, sub-family C (CFTR/MRP), member 2 | 3.986 | 0.0006269 |
| 1425470_at | NA | NA | 3.988 | 0.0001105 |
| 1456195_x_at | Itgb5 | integrin beta 5 | 3.994 | 7.75E-05 |
| 1426808_at | Lgals3 | lectin, galactose binding, soluble 3 | 4.012 | 1.13E-05 |
| 1449453_at | Bst1 | bone marrow stromal cell antigen 1 | 4.013 | 0.0004608 |
| 1439109_at | Ccdc68 | coiled-coil domain containing 68 | 4.027 | 2.06E-05 |
| 1426276_at | Ifih1 | interferon induced with helicase C domain 1 | 4.075 | 3.05E-05 |
| 1418278_at | Apoc3 | apolipoprotein C-III | 4.078 | 2.94E-05 |
| 1437918_at | 4930539E08R ik | RIKEN cDNA 4930539E08 gene | 4.080 | 6.10E-05 |
| 1455854_a_at | Ssh1 | slingshot homolog 1 (Drosophila) | 4.085 | 0.0001888 |
| 1417954_at | Sst | somatostatin | 4.088 | 9.55E-05 |
| 1451516_at | Rheb1l | Ras homolog enriched in brain like 1 | 4.088 | 3.61E-05 |
| 1455033_at | B430201A12 Rik | RIKEN cDNA B430201A12 gene | 4.094 | 0.0001394 |
| 1450199_a_at | Stab1 | stabilin 1 | 4.113 | 5.12E-05 |
| 1437432_a_at | Trim12 | tripartite motif-containing 12 | 4.121 | 7.83E-05 |
| 1426413_at | Neurod1 | neurogenic differentiation 1 | 4.143 | 0.0009244 |

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|--------------|---------------|---|-------|-----------|
| 1426412_at | Neurod1 | neurogenic differentiation 1 | 4.155 | 0.0001121 |
| 1420426_at | Myo7b | myosin VIIb | 4.190 | 1.69E-05 |
| 1450987_a_at | 2310004I24Rik | RIKEN cDNA 2310004I24 gene | 4.193 | 9.30E-06 |
| 1422868_s_at | Gda | guanine deaminase | 4.201 | 1.36E-05 |
| 1456377_x_at | Limd2 | LIM domain containing 2 | 4.205 | 0.000171 |
| 1418641_at | Lcp2 | lymphocyte cytosolic protein 2 | 4.206 | 0.0001631 |
| 1455269_a_at | Coro1a | coronin, actin binding protein 1A | 4.208 | 2.51E-05 |
| 1436297_a_at | Grina | glutamate receptor, ionotropic, N-methyl D-aspartate-associated protein 1 (glutamate binding) | 4.212 | 1.13E-05 |
| 1436904_at | Med13 | mediator complex subunit 13 | 4.236 | 0.000182 |
| 1421065_at | Jak2 | Janus kinase 2 | 4.239 | 1.95E-05 |
| 1426774_at | Parp12 | poly (ADP-ribose) polymerase family, member 12 | 4.250 | 3.36E-05 |
| 1450531_at | H2-BI | histocompatibility 2, blastocyst | 4.253 | 7.12E-05 |
| 1432004_a_at | Dnm2 | dynamamin 2 | 4.262 | 0.0001323 |
| 1419478_at | Sectm1b | secreted and transmembrane 1B | 4.264 | 0.0001386 |
| 1438606_a_at | Clic4 | chloride intracellular channel 4 (mitochondrial) | 4.275 | 1.74E-05 |
| 1443341_at | NA | NA | 4.278 | 7.93E-05 |

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|--------------|---------|--|-------|-----------|
| 1424451_at | Acaa1b | acetyl-Coenzyme A acyltransferase 1B | 4.281 | 4.24E-05 |
| 1440795_x_at | Rabep2 | rabaptin, RAB GTPase binding effector protein 2 | 4.287 | 8.50E-06 |
| 1417965_at | Plekha1 | pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 1 | 4.300 | 6.40E-06 |
| 1436890_at | Uap111 | UDP-N-acetylglucosamine pyrophosphorylase 1-like 1 | 4.311 | 9.10E-06 |
| 1456014_s_at | Trpt1 | tRNA phosphotransferase 1 | 4.330 | 0.0005546 |
| 1460081_at | Syt7 | synaptotagmin VII | 4.332 | 0.0006485 |
| 1448409_at | Lrmp | lymphoid-restricted membrane protein | 4.336 | 2.85E-05 |
| 1416639_at | Slc2a5 | solute carrier family 2 (facilitated glucose transporter), member 5 | 4.337 | 0.0010305 |
| 1424090_at | Sdcbp2 | syndecan binding protein (syntenin) 2 | 4.339 | 0.0002359 |
| 1437122_at | Bcl2 | B-cell leukemia/lymphoma 2 | 4.361 | 0.0005698 |
| 1455593_at | Apob | apolipoprotein B | 4.390 | 0.0001848 |
| 1429060_at | Malat1 | metastasis associated lung adenocarcinoma transcript 1 (non-coding RNA) | 4.404 | 8.90E-06 |

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|--------------|----------|---|-------|-----------|
| 1441622_at | EG433023 | predicted gene, EG433023 | 4.415 | 9.80E-06 |
| 1446417_at | NA | NA | 4.427 | 3.58E-05 |
| 1449430_a_at | Treh | trehalase (brush- border membrane glycoprotein) | 4.440 | 0.0001633 |
| 1443698_at | Xaf1 | XIAP associated factor 1 | 4.449 | 0.0001235 |
| 1417395_at | Klf4 | Kruppel-like factor 4 (gut) | 4.452 | 5.80E-06 |
| 1426970_a_at | Ube1l | ubiquitin- activating enzyme E1-like | 4.458 | 5.30E-06 |
| 1427963_s_at | Rdh9 | retinol dehydrogenase 9 | 4.460 | 0.0010836 |
| 1429947_a_at | Zbp1 | Z-DNA binding protein 1 | 4.471 | 0.0002166 |
| 1427007_at | Sash3 | SAM and SH3 domain containing 3 | 4.486 | 0.0002285 |
| 1442434_at | D8Ert82e | DNA segment, Chr 8, ERATO Doi 82, expressed | 4.491 | 6.20E-06 |
| 1426906_at | Ifi205 | interferon activated gene 205 | 4.523 | 3.81E-05 |
| 1415834_at | Dusp6 | dual specificity phosphatase 6 | 4.533 | 4.90E-06 |
| 1448364_at | Ccng2 | cyclin G2 | 4.555 | 1.99E-05 |
| 1455442_at | Slc6a19 | solute carrier family 6 (neurotransmitter transporter), member 19 | 4.559 | 0.0004542 |
| 1416809_at | Cyp3a11 | cytochrome P450, family 3, subfamily a, polypeptide 11 | 4.582 | 8.14E-05 |
| 1428767_at | Gsdmd | gasdermin D | 4.585 | 2.35E-05 |

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|--------------|---------------|--|-------|-----------|
| 1422785_at | Rasa2 | RAS p21 protein activator 2 | 4.596 | 2.88E-05 |
| 1428851_at | 1300014I06Rik | RIKEN cDNA 1300014I06 gene | 4.618 | 2.77E-05 |
| 1420461_at | Mst1r | macrophage stimulating 1 receptor (c-met-related tyrosine kinase) | 4.621 | 1.01E-05 |
| 1417620_at | Rac2 | RAS-related C3 botulinum substrate 2 | 4.631 | 4.65E-05 |
| 1418539_a_at | Ptpre | protein tyrosine phosphatase, receptor type, E | 4.652 | 0.0001079 |
| 1417812_a_at | Lamb3 | laminin, beta 3 | 4.682 | 0.0003207 |
| 1436504_x_at | Apoa4 | apolipoprotein A-IV | 4.699 | 1.04E-05 |
| 1437486_at | Gprc5a | G protein-coupled receptor, family C, group 5, member A | 4.705 | 0.0006471 |
| 1453196_a_at | Oasl2 | 2@#%&-5@#%& oligoadenylate synthetase-like 2 | 4.714 | 7.50E-06 |
| 1424626_at | 2010003K11Rik | RIKEN cDNA 2010003K11 gene | 4.753 | 1.23E-05 |
| 1418536_at | H2-Q7 | histocompatibility 2, Q region locus 7 | 4.767 | 5.90E-06 |
| 1452653_at | Slc25a22 | solute carrier family 25 (mitochondrial carrier, glutamate), member 22 | 4.782 | 1.16E-05 |
| 1426971_at | Ube1l | ubiquitin-activating enzyme E1-like | 4.808 | 3.80E-06 |

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|--------------|---------|--|-------|-----------|
| 1437176_at | Nlrc5 | NLR family, CARD domain containing 5 | 4.813 | 4.14E-05 |
| 1419322_at | Fgd6 | FYVE, RhoGEF and PH domain containing 6 | 4.816 | 0.0001634 |
| 1439016_x_at | Sprr2a | small proline-rich protein 2A | 4.829 | 4.04E-05 |
| 1436631_at | Ctnna1 | catenin (cadherin associated protein), alpha 1 | 4.851 | 3.40E-06 |
| 1427347_s_at | Tubb2a | tubulin, beta 2a | 4.877 | 0.0001229 |
| 1440311_at | Sorbs1 | sorbin and SH3 domain containing 1 | 4.914 | 0.0002462 |
| 1437308_s_at | F2r | coagulation factor II (thrombin) receptor | 4.917 | 9.46E-05 |
| 1418580_at | Rtp4 | receptor transporter protein 4 | 4.955 | 9.00E-06 |
| 1416770_at | Stk25 | serine/threonine kinase 25 (yeast) | 4.957 | 3.10E-06 |
| 1427419_x_at | Ccr9 | chemokine (C-C motif) receptor 9 | 4.959 | 2.80E-06 |
| 1434830_at | Mxd1 | MAX dimerization protein 1 | 4.971 | 7.00E-06 |
| 1415983_at | Lcp1 | lymphocyte cytosolic protein 1 | 4.978 | 1.68E-05 |
| 1418931_at | Reg4 | regenerating islet-derived family, member 4 | 5.000 | 7.93E-05 |
| 1448437_a_at | Gtpbp2 | GTP binding protein 2 | 5.038 | 0.0004745 |
| 1426714_at | Slc46a1 | solute carrier family 46, member 1 | 5.068 | 0.0003423 |
| 1427440_a_at | Afm | afamin | 5.080 | 3.22E-05 |
| 1421855_at | Fgl2 | fibrinogen-like protein 2 | 5.093 | 3.28E-05 |
| 1423946_at | Pdlim2 | PDZ and LIM domain 2 | 5.097 | 7.30E-06 |

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|--------------|------------------------|--|-------|-----------|
| 1457976_at | 2010002M12 Rik | RIKEN cDNA 2010002M12 gene | 5.137 | 3.20E-06 |
| 1436058_at | Rsad2 | radical S- adenosyl methionine domain containing 2 | 5.158 | 0.0003878 |
| 1448617_at | Cd53 | CD53 antigen | 5.166 | 4.42E-05 |
| 1454742_at | Rasgef1b | RasGEF domain family, member 1B | 5.205 | 0.0011358 |
| 1433205_at | 2810436B12R ik | RIKEN cDNA 2810436B12 gene | 5.216 | 0.0001441 |
| 1437479_x_at | Tbx3 | T-box 3 | 5.247 | 0.0002069 |
| 1435529_at | OTTMUSG00 000016644 | predicted gene, OTTMUSG00000 016644 | 5.271 | 1.16E-05 |
| 1453080_at | Apol7a | apolipoprotein L 7a | 5.301 | 5.00E-06 |
| 1416306_at | Clca3 | chloride channel calcium activated 3 | 5.328 | 0.0011624 |
| 1430234_at | Arl14 | ADP-ribosylation factor-like 14 | 5.331 | 4.10E-06 |
| 1436649_at | Ikzf3 | IKAROS family zinc finger 3 | 5.350 | 5.51E-05 |
| 1434372_at | AW112010 | expressed sequence AW112010 | 5.354 | 8.60E-06 |
| 1426725_s_at | Ets1 | E26 avian leukemia oncogene 1, 5@#\$%& domain | 5.378 | 2.90E-06 |
| 1444599_at | Herc4 | hect domain and RLD 4 | 5.380 | 9.27E-05 |
| 1449248_at | Clcn2 | chloride channel 2 | 5.392 | 0.0005405 |
| 1420499_at | Gch1 | GTP cyclohydrolase 1 | 5.396 | 7.60E-06 |
| 1418739_at | Sgk2 | serum/glucocortic oid regulated kinase 2 | 5.416 | 2.56E-05 |

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|--------------|---------|---|-------|-----------|
| 1434316_at | Chsy1 | chondroitin sulfate synthase 1 | 5.452 | 3.30E-06 |
| 1450264_a_at | Chka | choline kinase alpha | 5.486 | 1.80E-06 |
| 1451777_at | Ddx60 | DEAD (Asp-Glu-Ala-Asp) box polypeptide 60 | 5.583 | 1.53E-05 |
| 1418395_at | Slc47a1 | solute carrier family 47, member 1 | 5.620 | 9.00E-06 |
| 1439348_at | S100a10 | S100 calcium binding protein A10 (calpactin) | 5.630 | 6.70E-06 |
| 1440218_at | Pcdh24 | protocadherin 24 | 5.672 | 9.10E-06 |
| 1445697_at | NA | NA | 5.709 | 0.0002339 |
| 1448596_at | Slc6a8 | solute carrier family 6 (neurotransmitter transporter, creatine), member 8 | 5.711 | 2.70E-06 |
| 1456956_at | Ikzf2 | IKAROS family zinc finger 2 | 5.736 | 3.04E-05 |
| 1426872_at | Fcgbp | Fc fragment of IgG binding protein | 5.760 | 2.06E-05 |
| 1441818_at | NA | NA | 5.784 | 1.32E-05 |
| 1460242_at | Cd55 | CD55 antigen | 5.793 | 1.38E-05 |
| 1418201_at | Plekhg2 | pleckstrin homology domain containing, family G (with RhoGef domain) member 2 | 5.796 | 2.20E-06 |
| 1460550_at | Mttr11 | myotubularin related protein 11 | 5.826 | 3.20E-05 |
| 1421009_at | Rsad2 | radical S-adenosyl methionine domain containing 2 | 5.849 | 0.0005283 |

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|--------------|---------|--|-------|-----------|
| 1447227_at | NA | NA | 5.878 | 0.0002481 |
| 1418340_at | Fcer1g | Fc receptor, IgE, high affinity I, gamma polypeptide | 5.936 | 0.0001193 |
| 1438301_at | NA | NA | 5.962 | 0.0002056 |
| 1426715_s_at | Slc46a1 | solute carrier family 46, member 1 | 6.015 | 8.27E-05 |
| 1426047_a_at | Ptprr | protein tyrosine phosphatase, receptor type, R | 6.037 | 4.72E-05 |
| 1427203_at | Myo15b | myosin XVB | 6.061 | 1.20E-06 |
| 1417761_at | Apoa4 | apolipoprotein A-IV | 6.097 | 1.87E-05 |
| 1426990_at | Cubn | cubilin (intrinsic factor-cobalamin receptor) | 6.118 | 0.0025331 |
| 1453127_at | Ppm1j | protein phosphatase 1J | 6.120 | 1.17E-05 |
| 1429550_at | Entpd8 | ectonucleoside triphosphate diphosphohydrolase 8 | 6.133 | 5.30E-06 |
| 1448605_at | Rhoc | ras homolog gene family, member C | 6.163 | 1.10E-05 |
| 1442256_at | Prkcd | protein kinase C, delta | 6.197 | 2.70E-06 |
| 1422706_at | Pmepa1 | prostate transmembrane protein, androgen induced 1 | 6.202 | 6.84E-05 |
| 1425084_at | Gimap7 | GTPase, IMAP family member 7 | 6.266 | 2.06E-05 |
| 1439141_at | Gpr18 | G protein-coupled receptor 18 | 6.270 | 1.15E-05 |
| 1455180_at | Gcom1 | GRINL1A complex locus | 6.293 | 2.10E-06 |

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|--------------|---------------|---|-------|-----------|
| 1428083_at | 2310043N10Rik | RIKEN cDNA 2310043N10 gene | 6.297 | 2.00E-06 |
| 1428595_at | Slc6a19 | solute carrier family 6 (neurotransmitter transporter), member 19 | 6.320 | 7.80E-06 |
| 1426159_x_at | Tcrb-J | T-cell receptor beta, joining region | 6.332 | 2.87E-05 |
| 1416691_at | Gtpbp2 | GTP binding protein 2 | 6.391 | 1.19E-05 |
| 1418191_at | Usp18 | ubiquitin specific peptidase 18 | 6.392 | 2.52E-05 |
| 1425396_a_at | Lck | lymphocyte protein tyrosine kinase | 6.426 | 7.60E-06 |
| 1418219_at | Il15 | interleukin 15 | 6.458 | 9.00E-07 |
| 1417558_at | Fyn | Fyn proto-oncogene | 6.600 | 1.07E-05 |
| 1455104_at | Mxd1 | MAX dimerization protein 1 | 6.674 | 2.00E-06 |
| 1452378_at | Malat1 | metastasis associated lung adenocarcinoma transcript 1 (non-coding RNA) | 6.681 | 0.0006957 |
| 1424688_at | Creb3l3 | cAMP responsive element binding protein 3-like 3 | 6.720 | 1.80E-06 |
| 1450753_at | Nkg7 | natural killer cell group 7 sequence | 6.828 | 2.50E-05 |
| 1451006_at | Xdh | xanthine dehydrogenase | 6.864 | 1.50E-06 |
| 1418069_at | Apoc2 | apolipoprotein C-II | 6.873 | 4.20E-06 |
| 1416246_a_at | Coro1a | coronin, actin binding protein 1A | 6.892 | 1.25E-05 |

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|--------------|-------------------|--|-------|-----------|
| 1457084_at | Nlrp9b | NLR family, pyrin domain containing 9B | 6.938 | 2.79E-05 |
| 1449235_at | Fasl | Fas ligand (TNF superfamily, member 6) | 6.942 | 5.60E-06 |
| 1419835_s_at | Plec1 | plectin 1 | 6.948 | 1.50E-06 |
| 1422124_a_at | Ptprc | protein tyrosine phosphatase, receptor type, C | 7.032 | 1.30E-06 |
| 1428735_at | Cd69 | CD69 antigen | 7.088 | 2.00E-05 |
| 1428358_at | 1810010M01 Rik | RIKEN cDNA 1810010M01 gene | 7.115 | 0.0001074 |
| 1442305_at | Gtpbp2 | GTP binding protein 2 | 7.183 | 6.00E-07 |
| 1448752_at | Car2 | carbonic anhydrase 2 | 7.230 | 7.50E-06 |
| 1419473_a_at | Cck | cholecystokinin | 7.282 | 3.77E-05 |
| 1444458_at | NA | NA | 7.293 | 1.11E-05 |
| 1452837_at | Lpin2 | lipin 2 | 7.296 | 3.33E-05 |
| 1452405_x_at | A130082M07 Rik | RIKEN cDNA A130082M07 gene | 7.347 | 1.71E-05 |
| 1426452_a_at | Rab30 | RAB30, member RAS oncogene family | 7.350 | 9.90E-06 |
| 1426670_at | Agrn | agrin | 7.352 | 1.60E-06 |
| 1417426_at | Srgn | serglycin | 7.433 | 3.90E-06 |
| 1430383_at | Ceacam20 | carcinoembryonic antigen-related cell adhesion molecule 20 | 7.506 | 5.70E-06 |
| 1448964_at | S100g | S100 calcium binding protein G | 7.639 | 0.0030105 |
| 1460218_at | Cd52 | CD52 antigen | 7.702 | 3.40E-06 |
| 1417601_at | Rgs1 | regulator of G-protein signaling 1 | 7.738 | 2.10E-06 |

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|--------------|-------------------|---|--------|-----------|
| 1450618_a_at | Sprr2a | small proline-rich protein 2A | 7.777 | 1.77E-05 |
| 1460245_at | Klrd1 | killer cell lectin-like receptor, subfamily D, member 1 | 7.834 | 6.00E-07 |
| 1416690_at | Gtpbp2 | GTP binding protein 2 | 7.858 | 1.30E-06 |
| 1421375_a_at | S100a6 | S100 calcium binding protein A6 (calcyclin) | 7.932 | 4.20E-06 |
| 1448980_at | Ghrl | ghrelin | 8.020 | 4.00E-06 |
| 1434129_s_at | Lhfp12 | lipoma HMGIC fusion partner-like 2 | 8.065 | 1.01E-05 |
| 1425933_a_at | Nt5c2 | 5'-\$\%&\$-nucleotidase, cytosolic II | 8.200 | 0.0002577 |
| 1425471_x_at | NA | NA | 8.295 | 2.10E-06 |
| 1419231_s_at | Krt12 | keratin 12 | 8.353 | 1.83E-05 |
| 1450783_at | Ifit1 | interferon-induced protein with tetratricopeptide repeats 1 | 8.470 | 3.00E-07 |
| 1451673_at | Cd8a | CD8 antigen, alpha chain | 9.088 | 7.90E-06 |
| 1437258_at | 100042999 | predicted gene, 100042999 | 9.191 | 4.00E-06 |
| 1424339_at | Oasl1 | 2'-\$\%&\$-5'-\$\%&\$ oligoadenylate synthetase-like 1 | 9.227 | 1.50E-06 |
| 1419524_at | Tph1 | tryptophan hydroxylase 1 | 9.256 | 2.00E-07 |
| 1424375_s_at | Gimap4 | GTPase, IMAP family member 4 | 9.597 | 4.00E-07 |
| 1449907_at | Bcmo1 | beta-carotene 15,15'-\$\%&\$-monooxygenase | 9.627 | 2.00E-07 |
| 1455449_at | 2010107G12 Rik | RIKEN cDNA 2010107G12 gene | 10.101 | 2.60E-05 |

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|--------------|---------|---|--------|----------|
| 1422189_x_at | Tcrg-V4 | T-cell receptor gamma, variable 4 | 10.159 | 1.20E-05 |
| 1422860_at | Nts | neurotensin | 10.480 | 3.50E-06 |
| 1457554_at | Apob | apolipoprotein B | 10.518 | 9.30E-06 |
| 1447541_s_at | Itgae | integrin alpha E, epithelial-associated | 10.521 | 3.00E-07 |
| 1444078_at | Cd8a | CD8 antigen, alpha chain | 10.810 | 9.00E-07 |
| 1427285_s_at | Malat1 | metastasis associated lung adenocarcinoma transcript 1 (non-coding RNA) | 11.244 | 2.10E-06 |
| 1419178_at | Cd3g | CD3 antigen, gamma polypeptide | 11.405 | 1.30E-06 |
| 1424962_at | Tm4sf4 | transmembrane 4 superfamily member 4 | 11.535 | 2.50E-06 |
| 1417133_at | Pmp22 | peripheral myelin protein 22 | 13.246 | 7.70E-06 |
| 1418126_at | Ccl5 | chemokine (C-C motif) ligand 5 | 13.498 | 4.00E-07 |
| 1422188_s_at | Tcrg-V3 | T-cell receptor gamma, variable 3 | 13.774 | 1.00E-06 |
| 1417898_a_at | Gzma | granzyme A | 17.174 | 5.00E-07 |
| 1419060_at | Gzmb | granzyme B | 17.395 | 2.00E-07 |
| 1450521_a_at | Tcrg-V4 | T-cell receptor gamma, variable 4 | 17.644 | < 1e-07 |
| 1418805_at | Sct | secretin | 19.003 | 1.30E-06 |
| 1428547_at | Nt5e | 5' nucleotidase, ecto | 29.690 | 7.00E-07 |
| 1439727_at | Clca6 | chloride channel calcium activated 6 | 33.088 | 1.25E-05 |
| 1428361_x_at | Hba-a1 | hemoglobin alpha, adult chain 1 | 34.171 | 8.91E-05 |

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|--------------|---------|--|---------|----------|
| 1417184_s_at | Hbb-b2 | hemoglobin, beta adult minor chain | 35.759 | 4.56E-05 |
| 1452757_s_at | Hba-a1 | hemoglobin alpha, adult chain 1 | 36.954 | 9.56E-05 |
| 1420437_at | Indo | indoleamine-pyrrole 2,3 dioxygenase | 42.339 | 1.00E-07 |
| 1427302_at | Enpp3 | ectonucleotide pyrophosphatase/phosphodiesterase 3 | 43.261 | < 1e-07 |
| 1417976_at | Ada | adenosine deaminase | 52.363 | 5.00E-07 |
| 1439260_a_at | Enpp3 | ectonucleotide pyrophosphatase/phosphodiesterase 3 | 53.721 | 3.00E-07 |
| 1450639_at | Slc28a2 | solute carrier family 28 (sodium-coupled nucleoside transporter), member 2 | 103.638 | 1.00E-07 |