

Table S1: Significant gene expression changes detected by microarrays following SAM analysis at 6 hours post-injection (thresholds: ≥ 2 fold and 0% median FDR).

| Probe Set ID | Gene Symbol | Gene Title | Fold Change |
|--------------|---------------|---|-------------|
| 1459372_at | Npas4 | neuronal PAS domain protein 4 | 69.30 |
| 1443475_at | Hist1h3i | Histone cluster 1, H3i | 24.81 |
| 1422134_at | Fosb | FBJ osteosarcoma oncogene B | 16.46 |
| 1423100_at | Fos | FBJ osteosarcoma oncogene | 12.20 |
| 1453851_a_at | Gadd45g | growth arrest and DNA-damage-inducible 45 gamma | 11.88 |
| 1438133_a_at | Cyr61 | cysteine rich protein 61 | 11.50 |
| 1418687_at | Arc | activity regulated cytoskeletal-associated protein | 11.46 |
| 1417262_at | Ptgs2 | prostaglandin-endoperoxide synthase 2 | 10.77 |
| 1421396_at | Pcsk1 | proprotein convertase subtilisin/kexin type 1 | 10.43 |
| 1424248_at | Arpp21 | cyclic AMP-regulated phosphoprotein, 21 | 9.55 |
| 1417263_at | Ptgs2 | prostaglandin-endoperoxide synthase 2 | 8.99 |
| 1436387_at | C330006P03Rik | RIKEN cDNA C330006P03 gene | 7.52 |
| 1448830_at | Dusp1 | dual specificity phosphatase 1 | 7.42 |
| 1416505_at | Nr4a1 | nuclear receptor subfamily 4, group A, member 1 | 7.30 |
| 1457823_at | Cyr61 | cysteine rich protein 61 | 7.26 |
| 1415899_at | Junb | Jun-B oncogene | 6.60 |
| 1422562_at | Rrad | Ras-related associated with diabetes | 6.45 |
| 1453287_at | 5730557B15Rik | RIKEN cDNA 5730557B15 gene | 6.30 |
| 1422168_a_at | Bdnf | brain derived neurotrophic factor | 6.10 |
| 1452160_at | Tiparp | TCDD-inducible poly(ADP-ribose) polymerase | 5.99 |
| 1440179_x_at | Rnf217 | ring finger protein 217 | 5.99 |
| 1428759_s_at | Ccdc49 | coiled-coil domain containing 49 | 5.94 |
| 1435872_at | --- | Transcribed locus | 5.83 |
| 1450971_at | Gadd45b | growth arrest and DNA-damage-inducible 45 beta | 5.68 |
| 1442014_at | --- | Transcribed locus | 5.60 |
| 1437166_at | Tinf2 | Terf1 (TRF1)-interacting nuclear factor 2 | 5.49 |
| 1452161_at | Tiparp | TCDD-inducible poly(ADP-ribose) polymerase | 5.43 |
| 1449773_s_at | Gadd45b | growth arrest and DNA-damage-inducible 45 beta | 5.35 |
| 1455034_at | --- | --- | 5.33 |
| 1417409_at | Jun | Jun oncogene | 5.23 |
| 1434350_at | Axud1 | AXIN1 up-regulated 1 | 5.11 |
| 1418322_at | Crem | cAMP responsive element modulator | 5.06 |
| 1451386_at | Blvrb | biliverdin reductase B (flavin reductase (NADPH)) | 4.93 |
| 1437199_at | --- | --- | 4.89 |
| 1419247_at | Rgs2 | regulator of G-protein signaling 2 | 4.89 |
| 1421679_a_at | Cdkn1a | cyclin-dependent kinase inhibitor 1A (P21) | 4.83 |
| 1415855_at | Kitl | kit ligand | 4.77 |
| 1441300_at | Kcnf1 | potassium voltage-gated channel, subfamily F, member 1 | 4.73 |
| 1439830_at | LOC675366 | similar to mitogen activated protein kinase kinase kinase 5 | 4.51 |
| 1422452_at | Bag3 | Bcl2-associated athanogene 3 | 4.40 |
| 1451680_at | Srxn1 | sulfiredoxin 1 homolog (S. cerevisiae) | 4.35 |

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|--------------|-------------------------|--|------|
| 1424638_at | Cdkn1a | cyclin-dependent kinase inhibitor 1A (P21) | 4.22 |
| 1438796_at | Nr4a3 | nuclear receptor subfamily 4, group A, member 3 | 3.93 |
| 1451264_at | Frmd6 | FERM domain containing 6 | 3.88 |
| 1448117_at | Kitl | kit ligand | 3.86 |
| 1426721_s_at | Tiparp | TCDD-inducible poly(ADP-ribose) polymerase | 3.86 |
| 1449977_at | Egr4 | early growth response 4 | 3.85 |
| 1421340_at | LOC675366 /// Map3k5 | mitogen activated protein kinase kinase kinase 5 /// similar to mitogen activated protein kinase kinase kinase 5 | 3.81 |
| 1416892_s_at | 3110001A13Rik | RIKEN cDNA 3110001A13 gene | 3.80 |
| 1455085_at | 1700086L19Rik | RIKEN cDNA 1700086L19 gene | 3.79 |
| 1418603_at | Avpr1a | arginine vasopressin receptor 1A | 3.73 |
| 1450716_at | Adamts1 | a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 1 | 3.65 |
| 1419248_at | Rgs2 | regulator of G-protein signaling 2 | 3.64 |
| 1421267_a_at | Cited2 | Cbp/p300-interacting transactivator, with Glu/Asp- rich carboxy-terminal domain, 2 | 3.63 |
| 1433599_at | Baz1a | bromodomain adjacent to zinc finger domain 1A | 3.62 |
| 1416529_at | Emp1 | epithelial membrane protein 1 | 3.60 |
| 1426875_s_at | Srxn1 | sulfiredoxin 1 homolog (S. cerevisiae) | 3.53 |
| 1437696_at | BC049807 | cDNA sequence BC049807 | 3.53 |
| 1456783_at | Zdbf2 | zinc finger, DBF-type containing 2 | 3.50 |
| 1429787_x_at | Zwint | ZW10 interactor | 3.49 |
| 1416067_at | Ifrd1 | interferon-related developmental regulator 1 | 3.49 |
| 1456610_at | Jmjd3 | jumonji domain containing 3 | 3.48 |
| 1419209_at | Cxcl1 | chemokine (C-X-C motif) ligand 1 | 3.44 |
| 1453059_at | 2310046A06Rik | RIKEN cDNA 2310046A06 gene | 3.42 |
| 1423389_at | Smad7 | MAD homolog 7 (Drosophila) | 3.41 |
| 1421756_a_at | Gpr19 | G protein-coupled receptor 19 | 3.40 |
| 1416129_at | Errfi1 | ERBB receptor feedback inhibitor 1 | 3.39 |
| 1417719_at | Sap30 | sin3 associated polypeptide | 3.39 |
| 1459056_at | Rasgrf1 | RAS protein-specific guanine nucleotide-releasing factor 1 | 3.34 |
| 1447452_at | Reep3 | Receptor accessory protein 3 | 3.33 |
| 1419816_s_at | Errfi1 | ERBB receptor feedback inhibitor 1 | 3.26 |
| 1425162_at | Rorb | RAR-related orphan receptor beta | 3.18 |
| 1442590_at | Tnfrsf23 | tumor necrosis factor receptor superfamily, member 23 | 3.16 |
| 1450708_at | Scg2 | secretogranin II | 3.14 |
| 1449699_s_at | C330027C09Rik | RIKEN cDNA C330027C09 gene | 3.11 |
| 1423903_at | Pvr | poliovirus receptor | 3.11 |
| 1452519_a_at | Zfp36 | zinc finger protein 36 | 3.09 |
| 1452207_at | Cited2 | Cbp/p300-interacting transactivator, with Glu/Asp- rich carboxy-terminal domain, 2 | 3.07 |
| 1415844_at | Syt4 | synaptotagmin IV | 3.07 |
| 1440657_at | --- | --- | 3.06 |
| 1444402_at | Zc3h12c | zinc finger CCCH type containing 12C | 3.01 |
| 1419091_a_at | Anxa2 | annexin A2 | 2.98 |
| 1417426_at | Srgn | serglycin | 2.97 |
| 1448170_at | Siah2 | seven in absentia 2 | 2.94 |
| 1426208_x_at | Plagl1 | pleiomorphic adenoma gene-like 1 | 2.94 |
| 1436659_at | Dclk1 | doublecortin-like kinase 1 | 2.93 |
| 1448303_at | Gpnmb | glycoprotein (transmembrane) nmb | 2.83 |

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|--------------|---|---|------|
| 1427893_a_at | Pmvk | phosphomevalonate kinase | 2.82 |
| 1433582_at | 1190002N15Rik /// LOC100044725 | RIKEN cDNA 1190002N15 gene /// hypothetical protein LOC100044725 | 2.81 |
| 1418349_at | Hbegf | heparin-binding EGF-like growth factor | 2.81 |
| 1451289_at | Dclk1 | doublecortin-like kinase 1 | 2.79 |
| 1455372_at | Cpeb3 | cytoplasmic polyadenylation element binding protein 3 | 2.79 |
| 1430089_at | 5830469G19Rik | RIKEN cDNA 5830469G19 gene | 2.73 |
| 1435595_at | 1810011O10Rik | RIKEN cDNA 1810011O10 gene | 2.72 |
| 1450744_at | Ell2 | elongation factor RNA polymerase II 2 | 2.70 |
| 1433675_at | Snhg1 | small nucleolar RNA host gene (non-protein coding) 1 | 2.69 |
| 1422609_at | Arpp19 | cAMP-regulated phosphoprotein 19 | 2.68 |
| 1451612_at | Mt1 | metallothionein 1 | 2.66 |
| 1420098_s_at | D13ErtD787e | DNA segment, Chr 13, ERATO Doi 787, expressed | 2.65 |
| 1423312_at | Tpbg | trophoblast glycoprotein | 2.59 |
| 1420558_at | Selp | selectin, platelet | 2.58 |
| 1424271_at | Dclk1 | doublecortin-like kinase 1 | 2.53 |
| 1446906_at | C81615 | expressed sequence C81615 | 2.52 |
| 1450479_x_at | Ptpn12 | protein tyrosine phosphatase, non-receptor type 12 | 2.46 |
| 1417483_at | Nfkbiz | nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, zeta | 2.45 |
| 1455166_at | Arl5b | ADP-ribosylation factor-like 5B | 2.41 |
| 1434646_s_at | LOC100041953 /// LOC100047209 /// Sap18 | Sin3-associated polypeptide 18 /// similar to SAP18 | 2.41 |
| 1433883_at | Tpm4 | tropomyosin 4 | 2.40 |
| 1441274_at | --- | --- | 2.40 |
| 1417273_at | Pdk4 | pyruvate dehydrogenase kinase, isoenzyme 4 | 2.38 |
| 1430535_at | Tsc22d2 | TSC22 domain family 2 | 2.35 |
| 1449851_at | Per1 | period homolog 1 (Drosophila) | 2.32 |
| 1415802_at | Slc16a1 | solute carrier family 16 (monocarboxylic acid transporters), member 1 | 2.27 |
| 1416600_a_at | Rcan1 | regulator of calcineurin 1 | 2.27 |
| 1456048_at | Cpeb3 | cytoplasmic polyadenylation element binding protein 3 | 2.27 |
| 1422533_at | Cyp51 | cytochrome P450, family 51 | 2.26 |
| 1437868_at | BC023892 | cDNA sequence BC023892 | 2.23 |
| 1437667_a_at | Bach2 | BTB and CNC homology 2 | 2.22 |
| 1449119_at | Arih2 | ariadne homolog 2 (Drosophila) | 2.15 |
| 1437711_x_at | EG666231 /// EG668343 /// LOC546355 /// LOC627245 /// LOC632337 /// LOC665017 /// LOC676173 /// | ornithine decarboxylase, structural 1 /// similar to Ornithine decarboxylase (ODC) /// similar to Odc1 protein /// predicted gene, EG666231 /// predicted gene, EG668343 | 2.14 |
| 1451299_at | Prkx | protein kinase, X-linked | 2.10 |
| 1451819_at | Zswim6 | zinc finger, SWIM domain containing 6 | 2.09 |
| 1455271_at | LOC620695 | hypothetical protein LOC620695 | 2.08 |
| 1453119_at | Otud1 | OTU domain containing 1 | 2.07 |

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|--------------|------------------|---|-------|
| 1427005_at | Plk2 | polo-like kinase 2 (Drosophila) | 2.02 |
| 1444878_at | --- | Adult male hippocampus cDNA, RIKEN full-length enriched library, clone:C630003L08 product:unclassifiable, full insert sequence | 2.01 |
| 1460632_at | --- | Transcribed locus | 2.00 |
| 1455145_at | Pcdh19 | protocadherin 19 | -2.00 |
| 1440295_at | 1110057K04Rik | RIKEN cDNA 1110057K04 gene | -2.00 |
| 1450219_at | Htr1a | 5-hydroxytryptamine (serotonin) receptor 1A | -2.00 |
| 1428162_at | 4933421E11Rik | RIKEN cDNA 4933421E11 gene | -2.00 |
| 1460369_at | BC003267 | cDNA sequence BC003267 | -2.01 |
| 1460570_at | Pgbd5 | piggyBac transposable element derived 5 | -2.01 |
| 1426651_at | Mrpl44 | mitochondrial ribosomal protein L44 | -2.01 |
| 1436908_at | LOC100044052 | similar to pericentriolar material gene 1 protein | -2.02 |
| 1437147_at | Gabrg2 | gamma-aminobutyric acid (GABA-A) receptor, subunit gamma 2 | -2.02 |
| 1450227_at | Ankrd6 | ankyrin repeat domain 6 | -2.02 |
| 1436860_at | Senp7 | SUMO1/sentrin specific peptidase 7 | -2.02 |
| 1428972_at | Tctex1d2 | Tctex1 domain containing 2 | -2.02 |
| 1434140_at | Mcf2l | mcf.2 transforming sequence-like | -2.03 |
| 1441963_at | RP23-100C5.8 | ProSAPiP1 protein | -2.03 |
| 1418954_at | Camkk1 | calcium/calmodulin-dependent protein kinase kinase 1, alpha | -2.03 |
| 1428207_at | Bcl7a | B-cell CLL/lymphoma 7A | -2.03 |
| 1438068_at | --- | Transcribed locus, strongly similar to XP_579813.1 hypothetical protein XP_579813 [Rattus norvegicus] | -2.04 |
| 1419574_at | Zfp292 | zinc finger protein 292 | -2.04 |
| 1429451_at | 2610301B20Rik | RIKEN cDNA 2610301B20 gene | -2.04 |
| 1460576_at | LOC100047539 | similar to SEC15 homolog | -2.04 |
| 1451398_at | Cbr4 /// | carbonyl reductase 4 /// similar to carbonic reductase 4 | -2.05 |
| 1429089_s_at | 2900026A02Rik | RIKEN cDNA 2900026A02 gene | -2.05 |
| 1436021_at | Mfsd4 | major facilitator superfamily domain containing 4 | -2.05 |
| 1425593_at | Tnpo2 | transportin 2 (importin 3, karyopherin beta 2b) | -2.06 |
| 1417147_at | B230317C12Rik | RIKEN cDNA B230317C12 gene | -2.06 |
| 1418057_at | Tiam1 | T-cell lymphoma invasion and metastasis 1 | -2.06 |
| 1454973_at | Atf7ip | activating transcription factor 7 interacting protein | -2.07 |
| 1440836_at | Setd1b | SET domain containing 1B | -2.07 |
| 1429390_at | Acpl2 | acid phosphatase-like 2 | -2.07 |
| 1418048_at | 1110059G10Rik | RIKEN cDNA 1110059G10 gene | -2.07 |
| 1435796_at | --- | --- | -2.08 |
| 1420871_at | Gucy1b3 | guanylate cyclase 1, soluble, beta 3 | -2.08 |
| 1439497_at | 4933415E08Rik | RIKEN cDNA 4933415E08 gene | -2.08 |
| 1437183_at | LOC100045241 /// | leucine rich repeat containing 4B /// similar to | -2.08 |
| 1434675_at | Lrrc4b | Leucine rich repeat containing 4B | -2.09 |
| 1421043_s_at | 1700065O13Rik | RIKEN cDNA 1700065O13 gene | -2.09 |
| 1421043_s_at | Arhgef2 | rho/rac guanine nucleotide exchange factor (GEF) 2 | -2.09 |
| 1428305_at | Pcsk2 | proprotein convertase subtilisin/kexin type 2 | -2.09 |
| 1427990_at | Usp45 | ubiquitin specific peptidase 45 | -2.09 |
| 1427025_at | Mtmt7 | myotubularin related protein 7 | -2.09 |
| 1437292_at | Rlbp1l2 | retinaldehyde binding protein 1-like 2 | -2.09 |
| 1449425_at | Wnt2 | wingless-related MMTV integration site 2 | -2.09 |
| 1450114_at | Ksr1 | kinase suppressor of ras 1 | -2.09 |

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|--------------|---------------|--|-------|
| 1457325_at | Kcns2 | K+ voltage-gated channel, subfamily S, 2 | -2.10 |
| 1453342_at | Cdc40 | cell division cycle 40 homolog (yeast) | -2.11 |
| 1435809_at | Ankrd34 | ankyrin repeat domain 34 | -2.12 |
| 1439024_at | Bag4 | BCL2-associated athanogene 4 | -2.12 |
| 1436275_at | Kcnp2 | Kv channel-interacting protein 2 | -2.13 |
| 1447788_s_at | Tspyl3 | TSPY-like 3 | -2.13 |
| 1446041_at | --- | --- | -2.13 |
| 1419811_at | D16Wsu65e | DNA segment, Chr 16, Wayne State University 65, expressed | -2.14 |
| 1417302_at | Rcor2 | REST corepressor 2 | -2.14 |
| 1435984_at | 1110033F14Rik | RIKEN cDNA 1110033F14 gene | -2.14 |
| 1435285_at | Mpped2 | metallophosphoesterase domain containing 2 | -2.14 |
| 1437023_at | Zfp12 | zinc finger protein 12 | -2.14 |
| 1421923_at | Sh3bp5 | SH3-domain binding protein 5 (BTK-associated) | -2.14 |
| 1428186_at | Kctd6 | potassium channel tetramerisation domain containing 6 | -2.15 |
| 1434564_at | E2f3 | E2F transcription factor 3 | -2.15 |
| 1435822_at | D830012I24Rik | RIKEN cDNA D830012I24 gene | -2.15 |
| 1441983_at | --- | 0 day neonate cerebellum cDNA, RIKEN full-length enriched library, clone:C230096I08 product:hypothetical protein, full insert sequence | -2.15 |
| 1455450_at | --- | --- | -2.16 |
| 1418143_at | Vps45 | vacuolar protein sorting 45 (yeast) | -2.17 |
| 1428748_at | 5830428H23Rik | RIKEN cDNA 5830428H23 gene | -2.17 |
| 1452700_s_at | Kbtbd7 | kelch repeat and BTB (POZ) domain containing 7 | -2.17 |
| 1438413_at | Senp7 | SUMO1/sentrin specific peptidase 7 | -2.17 |
| 1423471_at | Ptbp2 | polypyrimidine tract binding protein 2 | -2.18 |
| 1435391_at | Prr8 | proline rich 8 | -2.18 |
| 1448063_at | Iqsec2 | IQ motif and Sec7 domain 2 | -2.18 |
| 1458515_at | Zfp128 | zinc finger protein 128 | -2.19 |
| 1417236_at | Ehd3 | EH-domain containing 3 | -2.19 |
| 1440264_at | --- | Adult male aorta and vein cDNA, RIKEN full-length enriched library, clone:A530010O07 product:unclassifiable, full insert sequence | -2.20 |
| 1428192_at | Kbtbd7 | kelch repeat and BTB (POZ) domain containing 7 | -2.21 |
| 1437528_x_at | A730017C20Rik | RIKEN cDNA A730017C20 gene | -2.21 |
| 1441305_at | --- | Adult male corpus striatum cDNA, RIKEN full-length enriched library, clone:C030044L04 product:unclassifiable, full insert sequence | -2.21 |
| 1428338_at | Spata2L | spermatogenesis associated 2-like | -2.22 |
| 1438417_at | Pwwp2b | PWWP domain containing 2B | -2.22 |
| 1444978_at | Foxp1 | Forkhead box P1 | -2.22 |
| 1438328_at | Hcfc2 | host cell factor C2 | -2.22 |
| 1417575_at | Otub2 | OTU domain, ubiquitin aldehyde binding 2 | -2.22 |
| 1456789_at | Zfp462 | zinc finger protein 462 | -2.22 |
| 1424044_at | Jmjd2b | jumonji domain containing 2B | -2.22 |
| 1447852_x_at | Rilpl1 | Rab interacting lysosomal protein-like 1 | -2.23 |
| 1441801_at | Kctd4 | potassium channel tetramerisation domain containing 4 | -2.23 |
| 1438710_at | Htr1a | 5-hydroxytryptamine (serotonin) receptor 1A | -2.23 |

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|--------------|---|---|-------|
| 1434776_at | Sema5a | sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5A | -2.24 |
| 1424784_at | OTTMUSG00000010657 | predicted gene, OTTMUSG00000010657 | -2.24 |
| 1437168_at | Srrp | serine-arginine repressor protein | -2.24 |
| 1434638_at | --- | Adult male corpora quadrigemina cDNA, RIKEN full-length enriched library, clone:B230036G05 product:unclassifiable, full insert sequence | -2.25 |
| 1455463_at | Phyhip | phytanoyl-CoA hydroxylase interacting protein | -2.25 |
| 1418109_at | Gspt2 | G1 to S phase transition 2 | -2.25 |
| 1449173_at | Mpp2 | membrane protein, palmitoylated 2 (MAGUK p55 subfamily member 2) | -2.26 |
| 1432813_at | 2900064F13Rik | RIKEN cDNA 2900064F13 gene | -2.28 |
| 1452065_at | Vstm2a | V-set and transmembrane domain containing 2A | -2.29 |
| 1430301_at | Stxbp5 | syntaxin binding protein 5 (tomosyn) | -2.30 |
| 1451245_at | Lrrc3b | leucine rich repeat containing 3B | -2.30 |
| 1439993_at | --- | Transcribed locus | -2.31 |
| 1429105_at | Dlgap1 | discs, large (Drosophila) homolog-associated protein 1 | -2.31 |
| 1425344_at | Narf | nuclear prelamin A recognition factor | -2.32 |
| 1417235_at | Ehd3 | EH-domain containing 3 | -2.33 |
| 1456423_at | Mbd5 | methyl-CpG binding domain protein 5 | -2.33 |
| 1455700_at | Mterfd3 | MTERF domain containing 3 | -2.34 |
| 1451566_at | Zfp810 | zinc finger protein 810 | -2.34 |
| 1442157_at | A930041H05Rik | RIKEN cDNA A930041H05 gene | -2.36 |
| 1419732_at | Rtn4r | reticulon 4 receptor | -2.36 |
| 1435311_s_at | Fbxo7 | F-box protein 7 | -2.37 |
| 1441327_a_at | Ssr1 | signal sequence receptor, alpha | -2.38 |
| 1457628_at | Ccdc53 | coiled-coil domain containing 53 | -2.39 |
| 1424697_at | Dtwd1 | DTW domain containing 1 | -2.39 |
| 1435396_at | Stxbp6 | syntaxin binding protein 6 (amisyn) | -2.39 |
| 1460588_at | --- | 10 days lactation, adult female mammary gland cDNA, RIKEN full-length enriched library, clone:D730013G10 product:unclassifiable, full insert sequence | -2.40 |
| 1435344_at | 1110029I05Rik /// LOC100044848 | RIKEN cDNA 1110029I05 gene /// hypothetical protein LOC100044848 | -2.41 |
| 1455476_a_at | Gse1 | genetic suppressor element 1 | -2.41 |
| 1456764_at | Slc35f3 | solute carrier family 35, member F3 | -2.43 |
| 1436972_at | Gpr61 /// LOC100043654 /// LOC100047381 | G protein-coupled receptor 61 /// hypothetical protein LOC100043654 /// hypothetical protein LOC100047381 | -2.43 |
| 1455365_at | Cdh8 | cadherin 8 | -2.44 |
| 1422710_a_at | Cacna1h | calcium channel, voltage-dependent, T type, alpha 1H subunit | -2.44 |
| 1417941_at | Nanp | N-acetylneuraminic acid phosphatase | -2.48 |
| 1427646_a_at | Arhgef2 | rho/rac guanine nucleotide exchange factor (GEF) 2 | -2.48 |
| 1452092_at | 4631426J05Rik | RIKEN cDNA 4631426J05 gene | -2.51 |
| 1415935_at | Smoc2 | SPARC related modular calcium binding 2 | -2.52 |
| 1429918_at | Arhgap20 | Rho GTPase activating protein 20 | -2.53 |

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|--------------|--------------------------|--|-------|
| 1435411_at | Neurod2 | neurogenic differentiation 2 | -2.54 |
| 1415774_at | Elp2 | elongation protein 2 homolog (S. cerevisiae) | -2.54 |
| 1442272_at | 1700021K10Rik | RIKEN cDNA 1700021K10 gene | -2.55 |
| 1452041_at | Klhl26 | kelch-like 26 (Drosophila) | -2.57 |
| 1437966_at | Prرت3 | proline-rich transmembrane protein 3 | -2.57 |
| 1456197_x_at | Ajap1 | Adherens junction associated protein 1 | -2.60 |
| 1452248_at | Plekhg5 | pleckstrin homology domain containing, family G (with RhoGef domain) member 5 | -2.64 |
| 1421042_at | Arhgef2 | rho/rac guanine nucleotide exchange factor (GEF) 2 | -2.67 |
| 1437083_at | Tmem169 | transmembrane protein 169 | -2.68 |
| 1455000_at | Gpr68 | G protein-coupled receptor 68 | -2.69 |
| 1435469_at | Qsox2 | quiescin Q6 sulfhydryl oxidase 2 | -2.69 |
| 1431724_a_at | P2ry12 | purinergic receptor P2Y, G-protein coupled 12 | -2.69 |
| 1433793_s_at | Nrip2 | nuclear receptor interacting protein 2 | -2.70 |
| 1443287_at | Gm1337 | gene model 1337, (NCBI) | -2.71 |
| 1434655_at | Foxk1 | forkhead box K1 | -2.71 |
| 1429741_at | Kcnv1 | potassium channel, subfamily V, member 1 | -2.72 |
| 1440181_at | Gm1568 | gene model 1568, (NCBI) | -2.74 |
| 1446612_at | 9330118A15Rik | RIKEN cDNA 9330118A15 gene | -2.74 |
| 1447385_at | --- | Adult male corpora quadrigemina cDNA, RIKEN full-length enriched library, clone:B230036G05 product:unclassifiable, full insert sequence | -2.78 |
| 1457729_at | --- | Transcribed locus | -2.79 |
| 1416798_a_at | Nme4 | expressed in non-metastatic cells 4, protein | -2.81 |
| 1435991_at | Nr3c2 | nuclear receptor subfamily 3, group C, member 2 | -2.82 |
| 1433885_at | Iqgap2 | IQ motif containing GTPase activating protein 2 | -2.85 |
| 1455040_s_at | 1110062M06Rik | RIKEN cDNA 1110062M06 gene | -2.89 |
| 1454877_at | Sertad4 | SERTA domain containing 4 | -2.89 |
| 1444687_at | C1ql2 | complement component 1, q subcomponent-like 2 | -2.90 |
| 1448530_at | Gmpr /// LOC100045393 | guanosine monophosphate reductase /// similar to guanosine monophosphate reductase | -2.90 |
| 1460625_at | Gm1568 | gene model 1568, (NCBI) | -2.94 |
| 1456838_at | BC072620 | cDNA sequence BC072620 | -2.96 |
| 1458406_at | AI429294 | Expressed sequence AI429294 | -2.98 |
| 1429167_at | Ccdc112 | coiled-coil domain containing 112 | -3.01 |
| 1434819_at | St6gal2 | beta galactoside alpha 2,6 sialyltransferase 2 | -3.05 |
| 1434052_at | AI593442 | expressed sequence AI593442 | -3.07 |
| 1443876_at | --- | 16 days neonate thymus cDNA, RIKEN full-length enriched library, clone:A130020E07 product:calcium/calmodulin-dependent protein kinase II alpha, full insert sequence | -3.12 |
| 1429191_at | Dhx33 | DEAH (Asp-Glu-Ala-His) box polypeptide 33 | -3.14 |
| 1453847_at | A930037O16Rik | RIKEN cDNA A930037O16 gene | -3.14 |
| 1444723_at | 6530418L21Rik | RIKEN cDNA 6530418L21 gene | -3.17 |
| 1452966_at | Bcl11b | B-cell leukemia/lymphoma 11B | -3.25 |
| 1419008_at | Npy5r | neuropeptide Y receptor Y5 | -3.27 |
| 1443800_at | --- | Transcribed locus | -3.30 |
| 1435407_at | --- | Adult male medulla oblongata cDNA, RIKEN full-length enriched library, clone:6332404K23 product:unclassifiable, full insert sequence | -3.42 |
| 1418047_at | Neurod6 | neurogenic differentiation 6 | -3.49 |

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|------------|---------------|---|-------|
| 1456389_at | Zeb2 | zinc finger E-box binding homeobox 2 | -3.67 |
| 1438465_at | 5830428H23Rik | RIKEN cDNA 5830428H23 gene | -3.99 |
| 1447726_at | Ripply2 | rippy2 homolog (zebrafish) | -4.00 |
| 1433469_at | Lrrn2 | leucine rich repeat protein 2, neuronal | -4.36 |
| 1427610_at | Dsp | desmoplakin | -4.84 |
