

Table S4. List of differentially expressed genes that could be manually assigned into major functional groups. Up-regulated genes are in red, while down-regulated genes are in blue font.

| Manually annotated group | Probe Set ID | Gene description | Fold change |
|-----------------------------------|-------------------------|---|-------------|
| Cell death/growth/differentiation | Gga.5710.2.S1_a_at | HtrA serine peptidase 3 | 16.757 |
| Cell death/growth/differentiation | Gga.5164.1.S2_at | BCL2-related protein A1 | 13.157 |
| Cell death/growth/differentiation | Gga.2582.1.S1_at | transforming growth factor, beta-induced, 68kDa | 13.131 |
| Cell death/growth/differentiation | Gga.1247.1.S2_at | B6.1 | 11.957 |
| Cell death/growth/differentiation | Gga.744.1.S1_at | GATA binding protein 3 | 9.192 |
| Cell death/growth/differentiation | Gga.3179.1.S2_at | brain abundant, membrane attached signal protein 1 | 8.359 |
| Cell death/growth/differentiation | GgaAffx.12413.1.S1_at | RNA binding motif protein 38 | 6.574 |
| Cell death/growth/differentiation | Gga.5164.1.S1_at | BCL2-related protein A1 | 5.638 |
| Cell death/growth/differentiation | Gga.11726.1.S1_a_at | Growth arrest and DNA-damage-inducible, gamma | 5.443 |
| Cell death/growth/differentiation | GgaAffx.21663.1.S1_s_at | hepatoma-derived growth factor, related protein 3 | 5.272 |
| Cell death/growth/differentiation | Gga.7539.1.S1_at | forkhead box L2 | 4.678 |
| Cell death/growth/differentiation | Gga.4328.1.S1_at | insulin-like growth factor binding protein 7 | 4.173 |
| Cell death/growth/differentiation | Gga.9179.1.S1_at | death-associated protein kinase 1 | 3.825 |
| Cell death/growth/differentiation | GgaAffx.12808.1.S1_s_at | shisa homolog 5 (<i>Xenopus laevis</i>) | 3.553 |
| Cell death/growth/differentiation | Gga.4720.3.S1_a_at | coiled-coil domain containing 21 | 3.546 |
| Cell death/growth/differentiation | Gga.7709.1.S1_at | death-associated protein kinase 1 | 3.509 |
| Cell death/growth/differentiation | Gga.4176.1.S1_at | eukaryotic translation initiation factor 5A2 | 3.219 |
| Cell death/growth/differentiation | Gga.2628.1.S1_s_at | cyclin D2 | 0.482 |
| Cell death/growth/differentiation | Gga.1325.1.S1_at | MAD1 mitotic arrest deficient-like 1 (yeast) | 0.453 |
| Cell death/growth/differentiation | GgaAffx.4278.2.S1_s_at | transforming growth factor, beta receptor associated protein 1 | 0.448 |
| Cell death/growth/differentiation | Gga.2554.1.A1_at | transforming growth factor, beta 3 | 0.399 |
| Cell death/growth/differentiation | Gga.10930.1.S1_at | BCL2-like 13 (apoptosis facilitator) | 0.396 |
| Cell death/growth/differentiation | GgaAffx.10239.1.S1_at | optic atrophy 1 (autosomal dominant) | 0.395 |
| Cell death/growth/differentiation | GgaAffx.24127.1.S1_at | fibroblast growth factor receptor 1 | 0.372 |
| Cell death/growth/differentiation | GgaAffx.25789.4.S1_s_at | fibroblast growth factor 1 (acidic) | 0.283 |
| Cell death/growth/differentiation | GgaAffx.4984.1.S1_at | cell division cycle 2, G1 to S and G2 to M | 0.258 |
| Cell death/growth/differentiation | GgaAffx.10104.2.S1_s_at | Gametocyte specific factor 1 | 0.245 |
| Chaperonin/HSP | GgaAffx.4144.1.S1_s_at | DnaJ (Hsp40) homolog, subfamily A, member 4 | 0.491 |
| Chaperonin/HSP | GgaAffx.5862.1.S1_at | t-complex 1 | 0.462 |
| Chaperonin/HSP | GgaAffx.4681.1.S1_at | t-complex 11 (mouse)-like 2 | 0.391 |
| Chaperonin/HSP | GgaAffx.193.1.S1_at | DnaJ (Hsp40) homolog, subfamily C, member 11 | 0.387 |
| Chaperonin/HSP | GgaAffx.6430.1.S1_at | chaperonin containing TCP1, subunit 2 (beta) | 0.379 |
| Cytoskeletal components/regulator | GgaAffx.21017.1.S1_s_at | caldesmon 1 | 29.979 |
| Cytoskeletal components/regulator | Gga.4091.1.S2_a_at | myosin, light chain kinase | 23.408 |
| Cytoskeletal components/regulator | GgaAffx.21386.1.S1_s_at | caldesmon 1 | 16.044 |
| Cytoskeletal components/regulator | Gga.4988.2.S1_a_at | caldesmon 1 | 14.532 |
| Cytoskeletal components/regulator | Gga.1294.1.S1_at | myosin IF | 10.163 |
| Cytoskeletal components/regulator | Gga.1009.1.S1_s_at | actin related protein 2/3 complex, subunit 1B, 41kDa | 8.429 |
| Cytoskeletal components/regulator | Gga.2268.1.S1_at | centrosomal protein 170kDa | 8.138 |
| Cytoskeletal components/regulator | GgaAffx.12091.1.S1_at | calponin 2 | 7.683 |
| Cytoskeletal components/regulator | Gga.13147.1.S1_at | Kinesin light chain 1 | 6.638 |
| Cytoskeletal components/regulator | Gga.1009.2.S1_s_at | actin related protein 2/3 complex, subunit 1B, 41kDa | 6.556 |
| Cytoskeletal components/regulator | Gga.1350.1.S1_at | ARP3 actin-related protein 3 homolog B (yeast) | 5.890 |
| Cytoskeletal components/regulator | Gga.11948.2.S1_a_at | Kinesin light chain 1 | 5.404 |
| Cytoskeletal components/regulator | Gga.4533.6.A1_at | Dynein, light chain, Tctex-type 1 | 4.778 |
| Cytoskeletal components/regulator | Gga.3908.1.S1_at | transgelin | 4.369 |
| Cytoskeletal components/regulator | Gga.4661.2.S1_at | tubulin, alpha 1c | 3.717 |
| Cytoskeletal components/regulator | Gga.1746.1.S1_s_at | similar to kinesin, putative | 3.638 |
| Cytoskeletal components/regulator | Gga.10463.1.S1_s_at | cytoskeleton associated protein 5 | 3.501 |
| Cytoskeletal components/regulator | Gga.7794.1.S1_at | tubulin, beta 6 | 3.342 |
| Cytoskeletal components/regulator | Gga.8075.1.S1_at | Kinesin family member 5C | 3.211 |
| Cytoskeletal components/regulator | Gga.16889.1.S1_at | myosin regulatory light chain interacting protein | 3.056 |
| Cytoskeletal components/regulator | Gga.4425.1.S1_at | Myosin VI | 0.488 |
| Cytoskeletal components/regulator | Gga.8635.1.S1_at | tubulin folding cofactor E | 0.458 |
| Cytoskeletal components/regulator | GgaAffx.21775.1.S1_s_at | microtubule-associated protein 4 | 0.442 |
| Cytoskeletal components/regulator | GgaAffx.2648.1.S1_s_at | microtubule associated monooxygenase, calponin and LIM domain containing 3 | 0.437 |
| Cytoskeletal components/regulator | GgaAffx.2572.1.S1_at | dynein, cytoplasmic 1, light intermediate chain 1 | 0.420 |
| Cytoskeletal components/regulator | GgaAffx.10140.2.S1_s_at | kinesin family member 18A | 0.393 |
| Cytoskeletal components/regulator | Gga.4830.1.S1_at | Actin, gamma 1 | 0.363 |
| Cytoskeletal components/regulator | Gga.11487.1.S1_s_at | centromere protein E, 312kDa | 0.363 |
| DNA replication/repair | Gga.18956.1.S1_s_at | polymerase (DNA directed), lambda | 3.015 |
| DNA replication/repair | Gga.18300.1.S1_at | excision repair cross-complementing rodent repair deficiency, complementation group 5 | 0.498 |
| DNA replication/repair | Gga.7505.1.S1_at | REX2, RNA exonuclease 2 homolog (<i>S. cerevisiae</i>) | 0.491 |
| DNA replication/repair | Gga.2148.4.S1_a_at | exonuclease NEF-sp | 0.484 |
| DNA replication/repair | Gga.10998.1.S1_s_at | RAD18 homolog (<i>S. cerevisiae</i>) | 0.476 |
| DNA replication/repair | GgaAffx.24832.2.S1_s_at | breast cancer 1, early onset | 0.475 |
| DNA replication/repair | GgaAffx.26038.1.S1_at | polymerase (DNA-directed), delta 3, accessory subunit | 0.465 |
| DNA replication/repair | Gga.4315.2.S1_a_at | replication protein A2, 32kDa | 0.455 |

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| DNA replication/repair | Gga.710.6.S1_a_at | polymerase (DNA directed), gamma | 0.450 |
| DNA replication/repair | GgaAffx.4442.3.S1_s_at | replication factor C (activator 1) 3, 38kDa | 0.440 |
| DNA replication/repair | Gga.11871.1.S1_at | minichromosome maintenance complex component 2 | 0.435 |
| DNA replication/repair | Gga.12043.2.S1_a_at | polymerase (DNA-directed), delta interacting protein 3 | 0.428 |
| DNA replication/repair | GgaAffx.7758.2.S1_s_at | DNA2 DNA replication helicase 2-like (yeast) | 0.408 |
| DNA replication/repair | GgaAffx.21825.1.S1_s_at | RAD51-like 1 (S. cerevisiae) | 0.398 |
| DNA replication/repair | GgaAffx.25679.1.S1_s_at | poly (ADP-ribose) polymerase family, member 11 | 0.380 |
| Extracellular matrix | Gga.12800.1.S1_at | matrix metalloproteinase 3 (stromelysin 1, progelatinase) | 67.335 |
| Extracellular matrix | Gga.3994.3.S1_x_at | Fibronectin 1 | 23.201 |
| Extracellular matrix | Gga.9293.1.S1_at | Fibronectin 1 | 21.558 |
| Extracellular matrix | Gga.4078.1.S1_at | lumican | 21.079 |
| Extracellular matrix | Gga.701.1.S1_s_at | leukocyte ribonuclease A-1 /// leukocyte ribonuclease A-2 | 20.283 |
| Extracellular matrix | Gga.4851.1.S1_at | collagen, type III, alpha 1 | 19.577 |
| Extracellular matrix | GgaAffx.21771.1.S1_at | collagen, type VI, alpha 1 | 16.921 |
| Extracellular matrix | Gga.2073.1.S1_at | Alpha-1 collagen (I) | 16.450 |
| Extracellular matrix | Gga.4941.1.S1_at | cadherin 11, type 2, OB-cadherin (osteoblast) | 15.052 |
| Extracellular matrix | Gga.4128.1.S2_at | tensin 1 | 14.084 |
| Extracellular matrix | Gga.3199.1.S1_at | matrix metalloproteinase 2 (gelatinase A, 72kDa gelatinase, 72kDa type IV collagenase) | 13.372 |
| Extracellular matrix | Gga.20018.1.S1_at | thrombospondin | 12.438 |
| Extracellular matrix | Gga.4851.1.A1_at | collagen, type III, alpha 1 | 11.954 |
| Extracellular matrix | Gga.5255.1.S1_at | EGF-containing fibulin-like extracellular matrix protein 1 | 11.838 |
| Extracellular matrix | Gga.12928.1.S1_at | vascular cell adhesion molecule 1 | 11.757 |
| Extracellular matrix | Gga.540.1.S1_at | matrix Gla protein | 11.638 |
| Extracellular matrix | GgaAffx.11018.1.S1_s_at | matrix metalloproteinase 1 (interstitial collagenase) | 11.544 |
| Extracellular matrix | Gga.5171.1.S1_at | cadherin 5, type 2, VE-cadherin (vascular epithelium) | 10.552 |
| Extracellular matrix | Gga.1099.1.S1_at | annexin A6 | 10.396 |
| Extracellular matrix | Gga.4999.2.S1_at | integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor) | 10.191 |
| Extracellular matrix | Gga.4884.1.S1_at | annexin A1 | 9.299 |
| Extracellular matrix | Gga.3104.1.S1_at | collagen, type IV, alpha 2 | 9.177 |
| Extracellular matrix | GgaAffx.6053.1.S1_at | collagen, type I, alpha 2 | 7.860 |
| Extracellular matrix | Gga.4507.1.S1_at | integrin, beta 2 (complement component 3 receptor 3 and 4 subunit) | 7.479 |
| Extracellular matrix | GgaAffx.5654.1.S1_at | integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor) | 7.224 |
| Extracellular matrix | Gga.12039.1.S1_a_at | Matrix-remodelling associated 5 | 6.951 |
| Extracellular matrix | GgaAffx.25534.1.S1_s_at | collagen, type III, alpha 1 | 6.917 |
| Extracellular matrix | GgaAffx.25192.2.S1_s_at | matrix metalloproteinase 1 (interstitial collagenase) | 6.677 |
| Extracellular matrix | Gga.9346.3.S1_a_at | vimentin | 6.418 |
| Extracellular matrix | Gga.19452.1.S1_at | CD44 molecule (Indian blood group) | 6.208 |
| Extracellular matrix | Gga.1168.1.S1_at | annexin A5 | 6.099 |
| Extracellular matrix | Gga.2679.1.S1_at | fibulin 1 | 6.062 |
| Extracellular matrix | Gga.5776.1.S1_at | CD34 molecule | 5.897 |
| Extracellular matrix | GgaAffx.21790.1.S1_s_at | gap junction protein, alpha 1, 43kDa | 5.744 |
| Extracellular matrix | Gga.4051.1.S1_at | connective tissue growth factor | 5.690 |
| Extracellular matrix | GgaAffx.11429.1.S1_s_at | matrix metalloproteinase 7 (matrilysin, uterine) | 5.654 |
| Extracellular matrix | Gga.6223.1.S1_at | ADAM metalloproteinase domain 33 | 5.243 |
| Extracellular matrix | Gga.4257.1.S1_at | collagen, type VI, alpha 2 | 5.106 |
| Extracellular matrix | Gga.566.1.S1_at | integrin, alpha 1 | 4.793 |
| Extracellular matrix | Gga.13442.1.S2_s_at | radixin | 4.708 |
| Extracellular matrix | Gga.3572.1.S1_at | CD44 molecule (Indian blood group) | 4.619 |
| Extracellular matrix | Gga.2965.1.S1_at | TIMP metalloproteinase inhibitor 2 | 4.032 |
| Extracellular matrix | GgaAffx.22999.1.S1_s_at | collagen, type I, alpha 2 | 3.892 |
| Extracellular matrix | Gga.13442.1.S1_at | radixin | 3.637 |
| Extracellular matrix | Gga.1776.1.S1_at | nidogen 1 | 3.562 |
| Extracellular matrix | Gga.3572.1.S2_s_at | CD44 molecule (Indian blood group) | 3.164 |
| Extracellular matrix | Gga.888.1.S1_at | collagen, type VI, alpha 3 | 3.103 |
| Extracellular matrix | Gga.198.1.S1_at | matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase) | 3.028 |
| Extracellular matrix | GgaAffx.26220.2.S1_s_at | integrin beta 1 binding protein 3 | 0.480 |
| Extracellular matrix | GgaAffx.6391.2.S1_s_at | integrator complex subunit 2 | 0.475 |
| Extracellular matrix | GgaAffx.22425.1.S1_s_at | collagen, type XX, alpha 1 | 0.394 |
| Extracellular matrix | GgaAffx.5541.1.S1_at | Discoidin, CUB and LCCL domain containing 1 | 0.356 |
| Gene expression/regulation | Gga.3548.1.S1_at | zinc finger E-box binding homeobox 1 | 13.018 |
| Gene expression/regulation | Gga.2551.2.S1_s_at | lactotransferrin | 11.137 |
| Gene expression/regulation | Gga.1313.1.S1_s_at | spleen focus forming virus (SFFV) proviral integration oncogene spi1 | 10.008 |
| Gene expression/regulation | GgaAffx.20792.1.S1_s_at | zinc finger E-box binding homeobox 1 | 8.993 |
| Gene expression/regulation | GgaAffx.12062.1.S1_s_at | Friend leukemia virus integration 1 | 8.875 |
| Gene expression/regulation | GgaAffx.3506.1.S1_at | ecotropic viral integration site 2B | 7.990 |
| Gene expression/regulation | Gga.4285.1.S1_at | CCAAT/enhancer binding protein (C/EBP), beta | 7.344 |
| Gene expression/regulation | Gga.6066.1.S1_at | transcription factor 7 (T-cell specific, HMG-box) | 7.083 |
| Gene expression/regulation | Gga.1378.1.S1_s_at | histone deacetylase 9 | 5.821 |
| Gene expression/regulation | Gga.3731.2.S1_a_at | gammaFDP-A | 5.230 |

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| Gene expression/regulation | Gga.6375.1.S1_at | basic helix-loop-helix domain containing, class B, 8 | 5.205 |
| Gene expression/regulation | Gga.4919.1.S2_at | CUG triplet repeat, RNA binding protein 2 /// hypothetical protein LOC769811 | 5.086 |
| Gene expression/regulation | Gga.1108.1.S1_s_at | limb bud and heart development homolog (mouse) | 4.534 |
| Gene expression/regulation | Gga.4954.2.S1_a_at | TNFAIP3 interacting protein 1 | 4.510 |
| Gene expression/regulation | Gga.4371.1.S1_s_at | putative homeodomain transcription factor 2 | 4.202 |
| Gene expression/regulation | Gga.578.1.S1_at | IKAROS family zinc finger 1 (IkaroS) | 4.108 |
| Gene expression/regulation | GgaAffx.21436.1.S1_s_at | basic leucine zipper transcription factor, ATF-like | 3.617 |
| Gene expression/regulation | Gga.49.1.S1_at | chromobox homolog 4 (Pc class homolog, Drosophila) | 3.394 |
| Gene expression/regulation | GgaAffx.24709.1.S1_s_at | microphthalmia-associated transcription factor | 0.498 |
| Gene expression/regulation | Gga.16862.1.S1_at | TATA element modulatory factor 1 | 0.492 |
| Gene expression/regulation | GgaAffx.2752.1.S1_s_at | MAX interactor 1 | 0.491 |
| Gene expression/regulation | GgaAffx.4023.1.S1_at | REV3-like, catalytic subunit of DNA polymerase zeta (yeast) | 0.490 |
| Gene expression/regulation | GgaAffx.8903.3.S1_at | nuclear receptor subfamily 6, group A, member 1 | 0.487 |
| Gene expression/regulation | GgaAffx.21044.1.S1_s_at | pseudouridylate synthase 7 homolog (S. cerevisiae) | 0.482 |
| Gene expression/regulation | GgaAffx.2077.1.S1_s_at | v-myc myelocytomatosis viral oncogene homolog (avian) | 0.480 |
| Gene expression/regulation | GgaAffx.25677.1.S1_s_at | Sin3A-associated protein, 130kDa | 0.475 |
| Gene expression/regulation | GgaAffx.23089.1.S1_at | general transcription factor IIA, 2, 12kDa | 0.468 |
| Gene expression/regulation | GgaAffx.25648.2.S1_s_at | WD repeat domain 36 | 0.463 |
| Gene expression/regulation | GgaAffx.26668.2.S1_s_at | nuclear transcription factor Y, gamma | 0.462 |
| Gene expression/regulation | Gga.2475.1.S1_at | chromatin modifying protein 6 | 0.458 |
| Gene expression/regulation | Gga.10895.1.S1_s_at | threonyl-tRNA synthetase | 0.451 |
| Gene expression/regulation | GgaAffx.4249.1.S1_x_at | CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) phosphatase, subunit 1 | 0.448 |
| Gene expression/regulation | Gga.4830.1.S2_at | protein inhibitor of activated STAT, 2 | 0.446 |
| Gene expression/regulation | Gga.5522.2.S1_a_at | activating signal cointegrator 1 complex subunit 3-like 1 | 0.440 |
| Gene expression/regulation | GgaAffx.2639.1.S1_at | adenosine deaminase, tRNA-specific 1 | 0.437 |
| Gene expression/regulation | GgaAffx.4639.1.S1_at | splicing factor 3b, subunit 4, 49kDa | 0.435 |
| Gene expression/regulation | Gga.6487.1.S1_at | similar to nuclear cap binding protein subunit 2 | 0.434 |
| Gene expression/regulation | GgaAffx.9629.1.S1_at | chromatin licensing and DNA replication factor 1 | 0.427 |
| Gene expression/regulation | GgaAffx.20192.1.S1_s_at | ribosomal protein S11 | 0.417 |
| Gene expression/regulation | Gga.2087.1.S1_s_at | RNA polymerase 1-3 | 0.415 |
| Gene expression/regulation | GgaAffx.8122.1.S1_at | nucleolar protein 5A (56kDa with KKE/D repeat) | 0.415 |
| Gene expression/regulation | Gga.4010.1.S1_s_at | integrator complex subunit 2 | 0.415 |
| Gene expression/regulation | Gga.11672.1.S1_at | PRP4 pre-mRNA processing factor 4 homolog (yeast) | 0.413 |
| Gene expression/regulation | GgaAffx.193.2.S1_s_at | integrator complex subunit 10 | 0.412 |
| Gene expression/regulation | Gga.17691.1.S1_at | activating transcription factor 4 (tax-responsive enhancer element B67) | 0.408 |
| Gene expression/regulation | GgaAffx.1279.2.S1_s_at | caudal type homeobox 2 | 0.383 |
| Gene expression/regulation | GgaAffx.3047.2.S1_s_at | ribosomal protein L36 | 0.342 |
| Gene expression/regulation | GgaAffx.1433.3.S1_s_at | similar to general transcription factor IIIC, polypeptide 1, alpha 220kDa | 0.339 |
| Gene expression/regulation | GgaAffx.10949.1.S1_s_at | ribosomal protein L38 | 0.333 |
| Gene expression/regulation | GgaAffx.3310.1.S1_s_at | exonuclease domain containing 1 | 0.319 |
| Gene expression/regulation | Gga.19462.1.S1_s_at | transcriptional adaptor 2 (ADA2 homolog, yeast)-like | 0.316 |
| Gene expression/regulation | Gga.12360.1.S1_at | Splicing factor, arginine/serine-rich 3 | 0.315 |
| General metabolism | Gga.17674.1.S1_at | Biliverdin reductase A | 29.576 |
| General metabolism | GgaAffx.23872.1.S1_at | Biliverdin reductase A | 14.424 |
| General metabolism | Gga.739.1.S1_at | quiescence-specific protein | 11.988 |
| General metabolism | GgaAffx.7420.1.S1_at | phospholipase D family, member 4 | 8.185 |
| General metabolism | GgaAffx.26353.1.S1_s_at | GTPase, IMAP family member 8 | 7.820 |
| General metabolism | Gga.11830.1.S1_at | deoxyribonuclease I-like 3 | 7.752 |
| General metabolism | Gga.1177.1.S1_at | ELOVL family member 5, elongation of long chain fatty acids (FEN1/Elo2, SUR4/Elo3-like) | 7.159 |
| General metabolism | Gga.6017.1.S1_s_at | Biliverdin reductase A | 7.089 |
| General metabolism | Gga.6236.1.S1_at | switch-associated protein 70 | 7.025 |
| General metabolism | Gga.7765.1.S1_at | carbohydrate (N-acetylglucosamine-6-O) sulfotransferase 2 | 6.813 |
| General metabolism | Gga.10928.1.S1_at | cholesterol 25-hydroxylase | 5.922 |
| General metabolism | GgaAffx.10393.1.S1_at | cytochrome b-245, beta polypeptide (chronic granulomatous disease) | 5.857 |
| General metabolism | Gga.13365.1.S1_at | 1-acylglycerol-3-phosphate O-acyltransferase 4 (lysophosphatidic acid acyltransferase, delta) | 5.713 |
| General metabolism | Gga.14925.1.S1_at | mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isozyme A | 5.460 |
| General metabolism | Gga.3807.1.S2_s_at | aldehyde dehydrogenase 1 family, member A3 | 5.432 |
| General metabolism | Gga.4401.1.S1_a_at | prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase) | 5.150 |
| General metabolism | Gga.14426.1.S1_at | lipase A, lysosomal acid, cholesterol esterase (Wolman disease) | 4.885 |
| General metabolism | Gga.7148.2.A1_at | phospholipase C, gamma 2 (phosphatidylinositol-specific) | 4.612 |
| General metabolism | Gga.6612.2.A1_at | NK-lysin | 4.252 |
| General metabolism | GgaAffx.12860.1.S1_at | thioredoxin domain containing 5 (endoplasmic reticulum) | 4.149 |
| General metabolism | Gga.12233.1.S1_at | N-acylsphingosine amidohydrolase (acid ceramidase)-like | 4.123 |
| General metabolism | Gga.7640.2.S1_at | Acyl-CoA synthetase long-chain family member 4 | 4.017 |
| General metabolism | GgaAffx.3425.1.S1_at | phospholipase C, gamma 2 (phosphatidylinositol-specific) | 4.003 |

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| General metabolism | Gga.9879.1.S1_s_at | lipase A, lysosomal acid, cholesterol esterase (Wolman disease) | 3.893 |
| General metabolism | Gga.3323.1.S1_s_at | fatty acid binding protein 5 | 3.892 |
| General metabolism | GgaAffx.1032.1.S1_s_at | inositol polyphosphate-5-phosphatase, 145kDa | 3.863 |
| General metabolism | GgaAffx.12708.1.S1_s_at | similar to ornithine aminotransferase (gyrate atrophy) /// ornithine aminotransferase | 3.692 |
| General metabolism | Gga.1161.1.S1_at | succinate dehydrogenase complex, subunit D, integral membrane protein | 3.504 |
| General metabolism | GgaAffx.22378.1.S1_s_at | phospholipase C, gamma 2 (phosphatidylinositol-specific) | 3.219 |
| General metabolism | Gga.7148.1.S1_at | phospholipase C, gamma 2 (phosphatidylinositol-specific) | 3.218 |
| General metabolism | Gga.1758.1.S1_at | Arachidonate 5-lipoxygenase-activating protein | 3.208 |
| General metabolism | Gga.7640.1.S1_a_at | Acyl-CoA synthetase long-chain family member 4 | 3.201 |
| General metabolism | Gga.593.1.S1_s_at | ADP-ribosyltransferase /// ADP-ribosyltransferase | 3.188 |
| General metabolism | GgaAffx.4938.1.S1_at | phosphatidylinositol-5-phosphate 4-kinase, type II, alpha | 3.020 |
| General metabolism | Gga.10824.1.S1_s_at | N-acetylglucosaminyltransferase VI | 0.490 |
| General metabolism | Gga.7294.1.S1_at | choline phosphotransferase 1 | 0.490 |
| General metabolism | Gga.9508.1.S1_at | glutamine-fructose-6-phosphate transaminase 1 | 0.488 |
| General metabolism | GgaAffx.3796.1.S1_s_at | phosphorylase kinase, beta | 0.486 |
| General metabolism | GgaAffx.22454.1.S1_s_at | arachidonate 5-lipoxygenase | 0.484 |
| General metabolism | GgaAffx.12570.1.S1_s_at | Oxysterol binding protein-like 11 | 0.483 |
| General metabolism | GgaAffx.21140.1.S1_s_at | NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 2, 8kDa | 0.476 |
| General metabolism | GgaAffx.23988.2.S1_s_at | gallinacin 1 | 0.475 |
| General metabolism | Gga.2908.1.S1_at | asparagine-linked glycosylation 11 homolog (S. cerevisiae, alpha-1,2-mannosyltransferase) | 0.472 |
| General metabolism | GgaAffx.24513.9.S1_s_at | asparagine-linked glycosylation 8 homolog (S. cerevisiae, alpha-1,3-glucosyltransferase) | 0.470 |
| General metabolism | GgaAffx.26615.2.S1_s_at | Similar to dermatan 4-sulfotransferase-1 | 0.466 |
| General metabolism | Gga.11674.1.S1_at | methyltransferase like 8 | 0.442 |
| General metabolism | GgaAffx.24884.1.S1_s_at | dUTP pyrophosphatase | 0.438 |
| General metabolism | Gga.5263.3.S1_s_at | phospholipase C-like 2 | 0.438 |
| General metabolism | GgaAffx.882.2.S1_s_at | acyl-CoA synthetase long-chain family member 5 | 0.432 |
| General metabolism | Gga.8991.1.S1_at | glutathione S-transferase theta 1 | 0.424 |
| General metabolism | Gga.17281.1.S1_at | UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1 | 0.417 |
| General metabolism | Gga.11447.1.S1_a_at | K(lysine) acetyltransferase 2A | 0.408 |
| General metabolism | GgaAffx.23111.1.S1_s_at | uridine phosphorylase 2 | 0.397 |
| General metabolism | GgaAffx.25247.1.S1_at | UDP-glucuronate decarboxylase 1 | 0.395 |
| General metabolism | Gga.17284.1.S1_at | serine racemase | 0.375 |
| General metabolism | GgaAffx.24100.1.S1_s_at | steroid 5 alpha-reductase 3 | 0.365 |
| General metabolism | GgaAffx.26520.1.S1_s_at | UDP-glucose pyrophosphorylase 2 | 0.364 |
| General metabolism | Gga.12113.1.A1_at | methyltransferase like 14 | 0.359 |
| General metabolism | GgaAffx.10350.1.S1_at | 5'-nucleotidase, cytosolic III-like | 0.356 |
| General metabolism | Gga.9596.1.S1_at | cytochrome P450, family 39, subfamily A, polypeptide 1 | 0.351 |
| General metabolism | GgaAffx.21089.1.S1_s_at | STT3, subunit of the oligosaccharyltransferase complex, homolog B (S. cerevisiae) | 0.349 |
| General metabolism | GgaAffx.5994.1.S1_at | methyltransferase like 10 | 0.304 |
| Immunity/defense | Gga.12186.1.S1_at | lymphatic vessel endothelial hyaluronan receptor 1 | 32.611 |
| Immunity/defense | Gga.1020.1.S1_at | chemokine (C-C motif) ligand 17 | 29.428 |
| Immunity/defense | Gga.701.1.S1_at | leukocyte ribonuclease A-2 | 18.493 |
| Immunity/defense | Gga.9873.1.S1_at | complement component 1, q subcomponent, C chain | 16.683 |
| Immunity/defense | Gga.5396.1.S1_at | complement component 1, q subcomponent, B chain | 14.962 |
| Immunity/defense | Gga.7298.1.S1_at | complement component 1, q subcomponent, A chain | 14.601 |
| Immunity/defense | Gga.11955.1.S1_at | Immunoglobulin superfamily, member 6 | 14.396 |
| Immunity/defense | Gga.9513.1.S2_at | Chemokine (C-X-C motif) ligand 12 (stromal cell-derived factor 1) | 13.883 |
| Immunity/defense | Gga.9133.1.S1_at | Chemokine ah221 | 12.744 |
| Immunity/defense | Gga.4374.1.S1_a_at | interferon regulatory factor 4 | 12.149 |
| Immunity/defense | Gga.3676.1.S1_at | B cell RAG associated protein | 12.106 |
| Immunity/defense | Gga.4681.2.S1_s_at | dedicator of cytokinesis 10 | 11.854 |
| Immunity/defense | GgaAffx.2960.1.S1_s_at | complement component 1, q subcomponent, B chain | 11.824 |
| Immunity/defense | Gga.703.1.S1_at | leukocyte ribonuclease A-1 | 11.803 |
| Immunity/defense | Gga.916.1.S2_at | interferon, gamma | 11.653 |
| Immunity/defense | Gga.1307.1.S1_s_at | interleukin 16 (lymphocyte chemoattractant factor) | 11.579 |
| Immunity/defense | Gga.2467.1.S1_at | immunoglobulin J polypeptide, linker protein for immunoglobulin alpha and mu polypeptides | 11.272 |
| Immunity/defense | Gga.17679.1.S1_s_at | immunoglobulin-like receptor CHIR-B5 /// immunoglobulin-like receptor CHIR-B6 | 11.200 |
| Immunity/defense | Gga.4110.4.S1_x_at | immunoglobulin lambda-like polypeptide 1 | 11.067 |
| Immunity/defense | Gga.4110.10.S1_x_at | immunoglobulin lambda-like polypeptide 1 | 10.715 |
| Immunity/defense | Gga.5743.1.S1_at | lymphocyte antigen 96 | 10.485 |
| Immunity/defense | GgaAffx.151.1.S1_s_at | CD79b molecule, immunoglobulin-associated beta | 9.962 |
| Immunity/defense | Gga.4110.11.S1_x_at | immunoglobulin lambda-like polypeptide 1 | 9.867 |
| Immunity/defense | GgaAffx.11201.1.S1_s_at | toll-like receptor 6 | 9.819 |

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| Immunity/defense | Gga.3145.1.S1_x_at | similar to Moesin (Membrane-organizing extension spike protein) | 9.804 |
| Immunity/defense | Gga.1311.5.S1_s_at | Similar to T-cell receptor V beta chain | 9.765 |
| Immunity/defense | GgaAffx.10617.2.S1_s_at | toll-like receptor 7 | 9.749 |
| Immunity/defense | GgaAffx.5458.1.S1_at | cytotoxic T-lymphocyte-associated protein 4 | 9.664 |
| Immunity/defense | Gga.6032.1.S1_at | dedicator of cytokinesis 8 | 9.560 |
| Immunity/defense | GgaAffx.25386.1.S1_at | dedicator of cytokinesis 2 | 9.265 |
| Immunity/defense | GgaAffx.21915.1.S1_at | interferon-induced protein with tetratricopeptide repeats 5 | 9.081 |
| Immunity/defense | GgaAffx.2421.1.S1_s_at | T-cell immunoglobulin and mucin domain containing 4 | 9.060 |
| Immunity/defense | Gga.723.1.S1_a_at | CD28 molecule | 9.052 |
| Immunity/defense | Gga.4491.1.S1_at | Lymphocyte-specific protein 1 | 9.021 |
| Immunity/defense | Gga.21.1.S1_a_at | interleukin 2 receptor, gamma (severe combined immunodeficiency) | 8.796 |
| Immunity/defense | Gga.17647.1.S1_at | neutrophil cytosolic factor 2 (65kDa, chronic granulomatous disease, autosomal 2) | 8.778 |
| Immunity/defense | Gga.690.1.S1_at | lymphocyte antigen 86 | 8.760 |
| Immunity/defense | GgaAffx.12658.1.S1_at | neutrophil cytosolic factor 4, 40kDa | 8.655 |
| Immunity/defense | GgaAffx.26062.1.S1_s_at | immunoglobulin-like receptor CHIR-B3 /// similar to immunoglobulin-like receptor CHIR-B3 | 8.641 |
| Immunity/defense | GgaAffx.12842.1.S1_s_at | immunoresponsive 1 homolog (mouse) | 8.616 |
| Immunity/defense | Gga.445.1.S1_at | similar to T cell receptor alpha | 8.522 |
| Immunity/defense | Gga.445.2.S1_a_at | similar to T cell receptor alpha | 8.396 |
| Immunity/defense | Gga.9675.1.S1_at | platelet derived growth factor D | 8.338 |
| Immunity/defense | Gga.3145.3.S1_a_at | similar to Moesin (Membrane-organizing extension spike protein) | 8.166 |
| Immunity/defense | Gga.236.1.S1_at | lymphocyte cytosolic protein 2 (SH2 domain containing leukocyte protein of 76kDa) | 7.935 |
| Immunity/defense | Gga.19049.1.S1_at | interleukin 18 (interferon-gamma-inducing factor) | 7.852 |
| Immunity/defense | GgaAffx.25386.2.S1_s_at | dedicator of cytokinesis 2 | 7.785 |
| Immunity/defense | Gga.3366.1.S1_at | interleukin 20 receptor, alpha | 7.766 |
| Immunity/defense | Gga.11522.1.S1_x_at | similar to immunoglobulin-like receptor CHIR-AB1 | 7.748 |
| Immunity/defense | Gga.4110.4.S1_a_at | immunoglobulin lambda-like polypeptide 1 | 7.729 |
| Immunity/defense | GgaAffx.9789.1.S1_at | T cell receptor associated transmembrane adaptor 1 | 7.620 |
| Immunity/defense | Gga.217.1.S1_x_at | MHC class II antigen B-F minor heavy chain | 7.599 |
| Immunity/defense | Gga.4110.12.S1_a_at | immunoglobulin lambda-like polypeptide 1 | 7.546 |
| Immunity/defense | Gga.14571.1.S1_s_at | Hermansky-Pudlak syndrome 5 | 7.475 |
| Immunity/defense | Gga.3145.2.S1_a_at | similar to Moesin (Membrane-organizing extension spike protein) | 7.466 |
| Immunity/defense | Gga.11522.1.S1_at | similar to immunoglobulin-like receptor CHIR-AB1 | 7.247 |
| Immunity/defense | GgaAffx.10876.2.S1_s_at | lymphocyte cytosolic protein 1 (L-plastin) | 7.125 |
| Immunity/defense | GgaAffx.24185.1.S1_at | interleukin 7 receptor | 7.054 |
| Immunity/defense | Gga.1220.1.A1_at | pre-B lymphocyte gene 3 | 6.815 |
| Immunity/defense | Gga.6332.1.S1_at | similar to complement regulatory soluble protein | 6.733 |
| Immunity/defense | Gga.1311.3.S1_at | similar to T-cell receptor beta | 6.695 |
| Immunity/defense | GgaAffx.11727.1.S1_at | lymphocyte cytosolic protein 1 (L-plastin) | 6.591 |
| Immunity/defense | Gga.3380.1.S1_at | T cell receptor alpha locus | 6.418 |
| Immunity/defense | Gga.13336.2.S1_x_at | MHC class II antigen B-F minor heavy chain | 6.280 |
| Immunity/defense | GgaAffx.12851.1.S1_s_at | complement component 3a receptor 1 | 6.058 |
| Immunity/defense | Gga.542.1.S1_at | lymphotactin | 6.045 |
| Immunity/defense | GgaAffx.21398.1.S1_at | dedicator of cytokinesis 10 | 5.998 |
| Immunity/defense | Gga.4491.1.S1_s_at | Lymphocyte-specific protein 1 | 5.811 |
| Immunity/defense | GgaAffx.24298.1.S1_s_at | interleukin 20 receptor, alpha | 5.807 |
| Immunity/defense | Gga.4964.5.S1_a_at | similar to T cell receptor gamma /// similar to T-cell receptor gamma Vg3-Jg3 | 5.646 |
| Immunity/defense | Gga.7064.1.S1_at | immunoglobulin superfamily, member 1 | 5.593 |
| Immunity/defense | GgaAffx.8515.1.S1_at | interleukin 7 receptor | 5.554 |
| Immunity/defense | Gga.4964.17.S1_x_at | similar to T-cell receptor gamma Vg3-Jg3 | 5.493 |
| Immunity/defense | Gga.4964.3.S1_x_at | similar to T-cell receptor gamma Vg3-Jg3 | 5.489 |
| Immunity/defense | Gga.4964.11.S1_a_at | similar to T-cell receptor gamma V2.6a /// similar to T-cell receptor gamma Vg3-Jg3 | 5.488 |
| Immunity/defense | Gga.4964.2.S1_a_at | similar to T cell receptor gamma /// similar to T-cell receptor gamma Vg3-Jg3 | 5.468 |
| Immunity/defense | Gga.11252.1.S1_at | chemokine (C-C motif) ligand 19 | 5.454 |
| Immunity/defense | GgaAffx.23145.3.S1_s_at | dedicator of cytokinesis 8 | 5.299 |
| Immunity/defense | Gga.16655.1.S1_at | histocompatibility (minor) HA-1 | 5.279 |
| Immunity/defense | Gga.4964.54.A1_x_at | Similar to T-cell receptor gamma chain Vg3-Jg3 | 5.271 |
| Immunity/defense | Gga.296.1.S1_at | chemokine (C-C motif) ligand 1 | 5.250 |
| Immunity/defense | Gga.178.1.S1_s_at | guanylate binding protein | 5.180 |
| Immunity/defense | Gga.4964.22.S1_x_at | Similar to T-cell receptor gamma chain Vg1-Jg2 | 5.162 |
| Immunity/defense | GgaAffx.12157.1.S1_at | similar to immunoglobulin-like receptor CHIR-B2 precursor | 5.131 |
| Immunity/defense | Gga.65.1.S1_a_at | similar to T-cell receptor gamma Vg3-Jg3 | 5.120 |
| Immunity/defense | Gga.16589.1.S1_at | Lymphocyte-specific protein 1 | 5.102 |
| Immunity/defense | GgaAffx.11648.1.S1_at | B-cell CLL/lymphoma 6 (zinc finger protein 51) | 5.042 |
| Immunity/defense | Gga.4964.1.S2_at | similar to T cell receptor gamma /// similar to T-cell receptor gamma Vg3-Jg3 | 5.031 |

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| Immunity/defense | Gga.19.1.S1_at | interleukin 1, beta | 5.023 |
| Immunity/defense | GgaAffx.1625.1.S1_s_at | complement factor H | 4.910 |
| Immunity/defense | Gga.4964.1.S1_x_at | similar to T-cell receptor gamma Vg3-Jg3 | 4.909 |
| Immunity/defense | GgaAffx.7251.1.S1_at | chemokine (C-C motif) receptor 6 | 4.853 |
| Immunity/defense | GgaAffx.5454.1.S1_at | inducible T-cell co-stimulator | 4.850 |
| Immunity/defense | Gga.6529.1.S1_at | Fc fragment of IgE, high affinity I, receptor for; gamma polypeptide | 4.849 |
| Immunity/defense | GgaAffx.20498.1.S1_s_at | monocyte to macrophage differentiation-associated | 4.758 |
| Immunity/defense | Gga.4964.4.S1_x_at | similar to T cell receptor gamma /// similar to T-cell receptor gamma chain Vg1-Jg2 | 4.613 |
| Immunity/defense | Gga.4414.1.S1_s_at | CD74 molecule, major histocompatibility complex, class II invariant chain | 4.574 |
| Immunity/defense | GgaAffx.26385.1.S1_s_at | dedicator of cytokinesis 10 | 4.569 |
| Immunity/defense | Gga.18469.1.S1_s_at | dedicator of cytokinesis 8 | 4.459 |
| Immunity/defense | Gga.276.1.S1_at | early B-cell factor 1 | 4.410 |
| Immunity/defense | Gga.65.1.S1_x_at | similar to T-cell receptor gamma Vg3-Jg3 | 4.396 |
| Immunity/defense | Gga.6492.1.S1_at | similar to chemokine CXCL13/BCA-1 | 4.390 |
| Immunity/defense | Gga.3027.1.S1_at | CD40 ligand (TNF superfamily, member 5, hyper-IgM syndrome) | 4.359 |
| Immunity/defense | Gga.4964.11.S1_x_at | similar to T-cell receptor gamma V2.6a /// similar to T-cell receptor gamma Vg3-Jg3 | 4.265 |
| Immunity/defense | Gga.2734.1.S2_at | activated leukocyte cell adhesion molecule | 4.249 |
| Immunity/defense | Gga.15811.2.S1_at | cytokine-like nuclear factor n-pac | 4.236 |
| Immunity/defense | Gga.4964.53.S1_x_at | similar to T-cell receptor gamma Vg3-Jg3 | 4.206 |
| Immunity/defense | Gga.4964.54.S1_x_at | similar to T-cell receptor gamma chain Vg3-Jg3 /// similar to T-cell receptor gamma Vg3-Jg3 | 4.099 |
| Immunity/defense | GgaAffx.7943.1.S1_s_at | neutrophil cytosolic factor 4, 40kDa | 4.086 |
| Immunity/defense | Gga.4964.20.S1_x_at | similar to T-cell receptor gamma Vg3-Jg3 /// similar to T-cell receptor gamma chain Vg3-Jg1 | 4.051 |
| Immunity/defense | Gga.9563.1.S1_at | chemokine (C-C motif) ligand 4 /// chemokine (C-C motif) ligand 5 | 4.025 |
| Immunity/defense | GgaAffx.7589.1.S1_at | chemokine (C-X3-C motif) receptor 1 | 4.018 |
| Immunity/defense | Gga.12516.1.S1_s_at | interleukin 20 receptor, alpha | 3.896 |
| Immunity/defense | Gga.4964.25.S1_x_at | similar to T-cell receptor gamma chain Vg3-Jg3 /// similar to T-cell receptor gamma Vg3-Jg3 | 3.794 |
| Immunity/defense | Gga.13336.3.S1_a_at | MHC class II antigen B-F minor heavy chain /// MHC class II beta chain | 3.775 |
| Immunity/defense | Gga.575.1.S1_at | CD8a molecule | 3.768 |
| Immunity/defense | Gga.4185.1.S2_at | Interferon (alpha, beta and omega) receptor 1 | 3.730 |
| Immunity/defense | Gga.2510.1.S1_at | complement component 3 | 3.701 |
| Immunity/defense | Gga.13336.5.S1_x_at | MHC class II antigen B-F minor heavy chain /// MHC class II beta chain | 3.682 |
| Immunity/defense | Gga.10606.1.S1_at | suppressor of cytokine signaling 1 | 3.610 |
| Immunity/defense | Gga.13336.3.S1_x_at | MHC class II antigen B-F minor heavy chain /// MHC class II beta chain | 3.600 |
| Immunity/defense | GgaAffx.8901.1.S1_at | lymphoid-restricted membrane protein | 3.578 |
| Immunity/defense | Gga.16267.1.S1_s_at | similar to MHC Rfp-Y class I alpha chain /// similar to MHC Rfp-Y class I alpha chain | 3.476 |
| Immunity/defense | Gga.4491.1.A1_at | Lymphocyte-specific protein 1 | 3.454 |
| Immunity/defense | Gga.1328.2.A1_at | Beta-2-microglobulin | 3.439 |
| Immunity/defense | Gga.4995.1.A1_at | Similar to T-cell receptor gamma chain Vg2-Jg3 | 3.401 |
| Immunity/defense | GgaAffx.11658.1.S1_s_at | neutrophil cytosolic factor 1 | 3.382 |
| Immunity/defense | Gga.4964.6.S1_x_at | similar to T cell receptor gamma /// similar to T-cell receptor gamma Vg3-Jg3 | 3.380 |
| Immunity/defense | Gga.2529.1.S1_a_at | interleukin 1 receptor-like 1 | 3.313 |
| Immunity/defense | Gga.7100.1.S1_at | similar to macrophage inflammatory protein-2 | 3.199 |
| Immunity/defense | Gga.15027.1.S1_at | Signaling lymphocytic activation molecule family member 1 | 3.187 |
| Immunity/defense | Gga.916.1.S1_at | interferon, gamma | 3.104 |
| Immunity/defense | Gga.4973.3.S1_x_at | MHC class I antigen B-F minor heavy chain | 3.085 |
| Immunity/defense | GgaAffx.21845.2.S1_s_at | CD74 molecule, major histocompatibility complex, class II invariant chain | 3.070 |
| Immunity/defense | GgaAffx.12703.1.S1_at | similar to Toll-like receptor 21 | 3.063 |
| Immunity/defense | GgaAffx.12160.1.S1_s_at | cytokine receptor-like factor 3 | 3.041 |
| Immunity/defense | Gga.7057.1.S1_at | caspase recruitment domain family, member 11 | 3.036 |
| Immunity/defense | GgaAffx.26702.1.S1_s_at | similar to dedicator of cytokinesis 11 | 3.026 |
| Immunity/defense | Gga.9732.1.S1_at | inter-alpha (globulin) inhibitor H5 | 3.022 |
| Immunity/defense | Gga.1045.1.S1_at | similar to dedicator of cytokinesis 11 | 3.002 |
| Immunity/defense | Gga.8178.1.S1_at | interferon stimulated exonuclease gene 20kDa-like 2 | 0.477 |
| Immunity/defense | Gga.5922.2.S1_a_at | platelet-activating factor acetylhydrolase 2, 40kDa | 0.449 |
| Immunity/defense | GgaAffx.26288.1.S1_s_at | complement component 1, r subcomponent | 0.447 |
| Immunity/defense | Gga.11984.1.S1_at | dedicator of cytokinesis 5 | 0.399 |
| Immunity/defense | GgaAffx.20791.1.S1_at | interleukin 28B (interferon, lambda 3) | 0.347 |
| Mitochondrial protein | Gga.5224.1.S1_at | Carbonic anhydrase VB, mitochondrial | 3.017 |
| Mitochondrial protein | GgaAffx.12907.1.S1_at | mitochondrial ribosomal protein L18 | 0.495 |
| Mitochondrial protein | GgaAffx.10169.1.S1_at | leucyl-tRNA synthetase 2, mitochondrial | 0.493 |

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| Mitochondrial protein | GgaAffx.23789.1.S1_at | peptidase (mitochondrial processing) alpha | 0.489 |
| Mitochondrial protein | Gga.6085.3.S1_a_at | mitochondrial ribosomal protein S6 | 0.444 |
| Mitochondrial protein | GgaAffx.1241.1.S1_at | mitochondrial ribosomal protein S31 | 0.444 |
| Mitochondrial protein | GgaAffx.2318.1.S1_at | similar to Translocase of outer mitochondrial membrane 20 homolog (yeast) | 0.443 |
| Mitochondrial protein | GgaAffx.194.1.S1_at | mitochondrial ribosomal protein L3 | 0.411 |
| Mitochondrial protein | GgaAffx.9649.1.S1_at | solute carrier family 25 (mitochondrial carrier, brain), member 14 | 0.405 |
| Mitochondrial protein | GgaAffx.9403.1.S1_s_at | mitochondrial translational initiation factor 3 | 0.391 |
| Mitochondrial protein | Gga.4006.2.S1_a_at | mitochondrial ribosomal protein L39 | 0.380 |
| Mitochondrial protein | GgaAffx.23494.1.S1_s_at | ATP synthase, H ⁺ transporting, mitochondrial F0 complex, subunit F2 | 0.319 |
| Protein degradation | Gga.1111.1.S1_a_at | ubiquitin specific peptidase 18 | 3.656 |
| Protein degradation | GgaAffx.26411.1.S1_s_at | proteasome (prosome, macropain) 26S subunit, non-ATPase, 6 | 0.487 |
| Protein degradation | GgaAffx.25545.1.S1_at | proteasome (prosome, macropain) subunit, beta type, 2 | 0.467 |
| Protein degradation | GgaAffx.5008.1.S1_at | ubiquitin specific peptidase 34 | 0.413 |
| Protein degradation | GgaAffx.7526.1.S1_at | similar to cullin 4A | 0.411 |
| Protein degradation | GgaAffx.26602.1.S1_at | proteasome (prosome, macropain) 26S subunit, ATPase, 6 | 0.400 |
| Protein degradation | Gga.4152.1.S1_s_at | proteasome (prosome, macropain) subunit, alpha type, 1 | 0.382 |
| Protein degradation | GgaAffx.9792.1.S1_at | cullin-associated and neddylation-dissociated 2 (putative) | 0.373 |
| Protein degradation | GgaAffx.4984.2.S1_s_at | proteasome (prosome, macropain) 26S subunit, non-ATPase, 1 | 0.274 |
| Protein modification | Gga.6553.1.S1_at | cathepsin G | 12.681 |
| Protein modification | Gga.5393.1.S1_at | similar to serine protease | 12.146 |
| Protein modification | Gga.3867.1.S1_at | prion protein (p27-30) (Creutzfeldt-Jakob disease) | 10.834 |
| Protein modification | Gga.18980.1.S1_at | NUAK family, SNF1-like kinase, 1 | 10.073 |
| Protein modification | Gga.7788.1.S1_at | similar to phospholipase A2 inhibitor gamma subunit B | 9.230 |
| Protein modification | GgaAffx.5597.1.S1_at | mitogen-activated protein kinase kinase kinase 4 | 9.224 |
| Protein modification | Gga.11824.1.S1_at | Cystatin F (leukocystatin) | 8.876 |
| Protein modification | Gga.606.1.S1_at | v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog | 8.172 |
| Protein modification | GgaAffx.20295.1.S1_at | NUAK family, SNF1-like kinase, 1 | 8.084 |
| Protein modification | Gga.415.1.S1_at | serpin peptidase inhibitor, clade B (ovalbumin), member 10 | 8.026 |
| Protein modification | Gga.1193.1.S2_at | protein tyrosine phosphatase, receptor type, C | 7.156 |
| Protein modification | Gga.1193.1.S1_at | protein tyrosine phosphatase, receptor type, C | 6.665 |
| Protein modification | Gga.1148.1.S1_at | ST6 beta-galactosamide alpha-2,6-sialyltransferase 1 | 6.428 |
| Protein modification | Gga.11016.1.S1_at | B locus M alpha chain 1 | 6.345 |
| Protein modification | Gga.16596.1.S1_at | phosphotyrosine interaction domain containing 1 | 6.342 |
| Protein modification | GgaAffx.11885.1.S1_s_at | Bruton agammaglobulinemia tyrosine kinase | 6.278 |
| Protein modification | Gga.5273.1.S1_at | Adrenergic, beta, receptor kinase 2 | 6.103 |
| Protein modification | Gga.1148.1.S2_at | ST6 beta-galactosamide alpha-2,6-sialyltransferase 1 | 5.965 |
| Protein modification | Gga.11456.1.S1_at | cystatin A (stefin A) | 5.810 |
| Protein modification | Gga.3379.2.S1_at | SH3-domain kinase binding protein 1 | 5.403 |
| Protein modification | Gga.4105.2.S1_a_at | serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 2 | 5.271 |
| Protein modification | GgaAffx.7823.1.S1_s_at | serine/threonine kinase 17a | 5.240 |
| Protein modification | Gga.12533.1.S1_at | protein tyrosine phosphatase-like A domain containing 2 | 5.231 |
| Protein modification | Gga.6964.1.S1_at | protein kinase C, beta | 5.112 |
| Protein modification | GgaAffx.8960.1.S1_at | TXK tyrosine kinase | 5.110 |
| Protein modification | GgaAffx.26700.1.S1_s_at | protein kinase C, beta | 4.995 |
| Protein modification | GgaAffx.8628.1.S1_at | granzyme K (granzyme 3; tryptase II) | 4.983 |
| Protein modification | GgaAffx.12547.1.S1_at | ST3 beta-galactoside alpha-2,3-sialyltransferase 2 | 4.680 |
| Protein modification | Gga.1035.1.S1_at | transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase) | 4.648 |
| Protein modification | GgaAffx.968.3.S1_s_at | zeta-chain (TCR) associated protein kinase 70kDa | 4.625 |
| Protein modification | Gga.7157.1.S1_at | protein kinase C, beta | 4.554 |
| Protein modification | GgaAffx.12557.1.S1_s_at | tyrosylprotein sulfotransferase 2 | 4.469 |
| Protein modification | Gga.9012.1.S1_at | serine/threonine kinase 17b | 4.276 |
| Protein modification | Gga.11865.1.S1_at | similar to Cathepsin L, a | 4.073 |
| Protein modification | GgaAffx.6712.2.S1_s_at | protein kinase D3 | 3.941 |
| Protein modification | Gga.6713.1.S1_at | granzyme A (granzyme 1, cytotoxic T-lymphocyte-associated serine esterase 3) | 3.829 |
| Protein modification | Gga.7011.1.S1_a_at | similar to cAMP-dependent protein kinase inhibitor gamma | 3.823 |
| Protein modification | Gga.8329.1.S1_at | protein kinase C, eta | 3.815 |
| Protein modification | GgaAffx.11653.1.S1_s_at | serine/threonine kinase 17b | 3.802 |
| Protein modification | Gga.2435.1.S2_at | Janus kinase 1 (a protein tyrosine kinase) | 3.532 |
| Protein modification | Gga.12120.1.S1_at | protein kinase C and casein kinase substrate in neurons 3 | 3.491 |
| Protein modification | Gga.11468.1.S1_a_at | peptidylprolyl isomerase C (cyclophilin C) | 3.474 |
| Protein modification | Gga.19289.1.S1_at | Prolylcarboxypeptidase (angiotensinase C) | 3.378 |
| Protein modification | GgaAffx.6712.1.S1_at | protein kinase D3 | 3.231 |
| Protein modification | GgaAffx.378.1.S1_at | protein tyrosine phosphatase, non-receptor type 7 | 3.158 |
| Protein modification | GgaAffx.12579.1.S1_at | dual specificity phosphatase 10 | 3.107 |
| Protein modification | GgaAffx.22748.1.S1_at | mitogen-activated protein kinase kinase kinase 4 | 3.033 |
| Protein modification | GgaAffx.9707.1.S1_s_at | protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 1 | 3.012 |
| Protein modification | Gga.536.1.S1_a_at | 2'-5'-oligoadenylate synthetase-like | 3.000 |

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| Protein modification | GgaAffx.22730.1.S1_at | phosphatase and tensin homolog (mutated in multiple advanced cancers 1), pseudogene 1 | 0.499 |
| Protein modification | Gga.19366.1.S1_s_at | CDC-like kinase 4 | 0.499 |
| Protein modification | GgaAffx.1012.1.S1_at | Tousled-like kinase 1 | 0.476 |
| Protein modification | GgaAffx.25489.1.S1_at | TBC domain-containing protein kinase-like | 0.469 |
| Protein modification | GgaAffx.10968.1.S1_at | peptidylprolyl isomerase domain and WD repeat containing 1 | 0.465 |
| Protein modification | Gga.16991.2.S1_a_at | Phosphatase and tensin homolog | 0.462 |
| Protein modification | GgaAffx.6526.1.S1_s_at | peptidylprolyl isomerase E (cyclophilin E) | 0.455 |
| Protein modification | Gga.9011.2.S1_at | protein phosphatase 1, regulatory (inhibitor) subunit 12A | 0.440 |
| Protein modification | Gga.7118.2.S1_s_at | protein phosphatase 3 (formerly 2B), catalytic subunit, beta isoform | 0.439 |
| Protein modification | GgaAffx.9058.2.S1_s_at | protein phosphatase 1, regulatory (inhibitor) subunit 8 | 0.436 |
| Protein modification | GgaAffx.1184.1.S1_at | mitogen-activated protein kinase kinase kinase 4 | 0.433 |
| Protein modification | Gga.5698.1.S1_at | methyl-CpG binding domain protein 5 | 0.418 |
| Protein modification | Gga.267.1.S1_at | protein-L-isoaspartate (D-aspartate) O-methyltransferase | 0.416 |
| Protein modification | GgaAffx.24899.1.S1_at | integrin-linked kinase-associated serine/threonine phosphatase 2C | 0.407 |
| Protein modification | GgaAffx.23800.1.S1_at | pitrilysin metalloproteinase 1 | 0.406 |
| Protein modification | Gga.19278.1.S1_s_at | protein arginine methyltransferase 7 | 0.401 |
| Protein modification | Gga.6118.1.S1_at | serine/threonine kinase receptor associated protein | 0.399 |
| Protein modification | GgaAffx.2219.3.S1_s_at | cathepsin Z | 0.395 |
| Protein modification | GgaAffx.8894.1.S1_at | calcium/calmodulin-dependent serine protein kinase (MAGUK family) | 0.392 |
| Protein modification | Gga.18973.1.S1_at | Megakaryocyte-associated tyrosine kinase | 0.387 |
| Protein modification | GgaAffx.25618.1.S1_at | protein phosphatase 1, regulatory (inhibitor) subunit 1B | 0.359 |
| Protein modification | Gga.16586.1.S1_at | protein phosphatase 1, regulatory (inhibitor) subunit 13B | 0.357 |
| Protein modification | Gga.9700.4.S1_a_at | serine/threonine kinase 38 like | 0.314 |
| Protein modification | Gga.51.1.S1_at | ariadne homolog, ubiquitin-conjugating enzyme E2 binding protein, 1 (Drosophila) | 0.294 |
| Protein modification | GgaAffx.25266.1.S1_at | protein kinase C, alpha | 0.282 |
| Signal transduction | Gga.8030.1.S1_at | tissue factor pathway inhibitor 2 | 19.735 |
| Signal transduction | Gga.3259.1.S1_at | angiopoietin 2 | 15.883 |
| Signal transduction | GgaAffx.13210.1.S1_at | Src-like-adaptor | 15.548 |
| Signal transduction | GgaAffx.12646.1.S1_at | spleen tyrosine kinase | 15.136 |
| Signal transduction | Gga.4070.1.S1_at | Colony stimulating factor 1 receptor | 13.456 |
| Signal transduction | Gga.10829.1.S1_s_at | endothelin receptor type B | 13.023 |
| Signal transduction | Gga.15362.1.S1_at | regulator of G-protein signalling 18 | 12.172 |
| Signal transduction | Gga.5008.1.S1_at | cyclin-dependent kinase inhibitor 2A (melanoma, p16, inhibits CDK4) | 12.162 |
| Signal transduction | Gga.7838.1.S1_at | colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage) | 11.274 |
| Signal transduction | Gga.1287.1.S1_at | RAS guanyl releasing protein 3 (calcium and DAG-regulated) | 11.087 |
| Signal transduction | GgaAffx.11475.1.S1_s_at | Ras association (RalGDS/AF-6) domain family member 2 | 10.759 |
| Signal transduction | GgaAffx.13138.1.S1_at | tumor necrosis factor (ligand) superfamily, member 13b | 10.559 |
| Signal transduction | Gga.1348.1.S1_at | Rho GTPase activating protein 24 | 10.525 |
| Signal transduction | Gga.9882.1.S1_at | colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage) | 10.007 |
| Signal transduction | Gga.8508.1.S2_s_at | Src-like-adaptor | 9.750 |
| Signal transduction | Gga.3306.1.S1_s_at | endothelin receptor type B | 9.680 |
| Signal transduction | Gga.10418.1.S1_at | Guanine nucleotide binding protein (G protein), gamma 10 | 9.372 |
| Signal transduction | Gga.18933.1.S1_s_at | Ras association (RalGDS/AF-6) domain family 5 | 9.355 |
| Signal transduction | GgaAffx.13005.1.S1_at | purinergic receptor P2Y, G-protein coupled, 8 | 9.317 |
| Signal transduction | GgaAffx.7881.1.S1_s_at | Rho GTPase activating protein 15 | 9.272 |
| Signal transduction | Gga.1585.1.S2_at | stathmin-like 2 | 9.250 |
| Signal transduction | Gga.8164.1.S1_a_at | similar to Ras-related protein Rab-10 | 8.807 |
| Signal transduction | GgaAffx.11864.1.S1_at | G protein-coupled receptor 174 | 8.430 |
| Signal transduction | Gga.8789.1.S1_at | phosphoinositide-3-kinase, catalytic, delta polypeptide | 8.124 |
| Signal transduction | Gga.18945.1.S1_at | phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1 | 8.070 |
| Signal transduction | Gga.9880.1.S1_at | Purinergic receptor P2Y, G-protein coupled, 13 | 8.046 |
| Signal transduction | Gga.7334.1.S1_at | amyloid beta (A4) precursor protein-binding, family B, member 1 interacting protein | 7.585 |
| Signal transduction | GgaAffx.21779.1.S1_s_at | stathmin-like 2 | 7.539 |
| Signal transduction | Gga.10018.1.S1_at | Ras and Rab interactor 3 | 7.497 |
| Signal transduction | GgaAffx.12475.1.S1_at | TNF receptor-associated factor 5 | 7.471 |
| Signal transduction | GgaAffx.12029.1.S1_at | tumor necrosis factor receptor superfamily, member 1B | 7.459 |
| Signal transduction | GgaAffx.12969.1.S1_at | phosphoinositide-3-kinase, regulatory subunit 5, p101 | 7.271 |
| Signal transduction | GgaAffx.11713.1.S1_s_at | Rho guanine nucleotide exchange factor (GEF) 3 | 7.242 |
| Signal transduction | Gga.2696.1.S1_at | similar to selectin ligand interactor cytoplasmic-1 | 7.207 |
| Signal transduction | GgaAffx.12948.1.S1_s_at | RAS guanyl releasing protein 3 (calcium and DAG-regulated) | 7.062 |
| Signal transduction | GgaAffx.13096.1.S1_at | Ras association (RalGDS/AF-6) domain family 5 | 7.014 |
| Signal transduction | Gga.4359.1.S1_s_at | tumor necrosis factor (ligand) superfamily, member 13b | 6.985 |
| Signal transduction | GgaAffx.26579.1.S1_s_at | Colony stimulating factor 1 receptor | 6.896 |
| Signal transduction | Gga.539.1.S1_at | CD247 molecule | 6.880 |
| Signal transduction | Gga.8094.1.S1_a_at | Rho GDP dissociation inhibitor (GDI) beta | 6.646 |

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| Signal transduction | Gga.6239.1.S1_at | regulator of G-protein signalling 1 | 6.607 |
| Signal transduction | Gga.11560.2.S1_a_at | phosphoinositide-3-kinase adaptor protein 1 | 6.604 |
| Signal transduction | Gga.6387.1.S1_at | ras-related C3 botulinum toxin substrate 2 (rho family, small GTP binding protein Rac2) | 6.596 |
| Signal transduction | GgaAffx.6562.1.S1_at | G protein-coupled receptor 171 | 6.591 |
| Signal transduction | GgaAffx.10679.1.S1_at | colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage) | 6.521 |
| Signal transduction | Gga.3154.1.S1_at | ras homolog gene family, member Q | 6.330 |
| Signal transduction | Gga.5148.1.S2_s_at | tumor necrosis factor receptor superfamily, member 1B | 6.305 |
| Signal transduction | GgaAffx.6562.1.A1_at | G protein-coupled receptor 171 | 6.256 |
| Signal transduction | GgaAffx.11426.1.S1_at | tumor necrosis factor receptor superfamily, member 18 | 6.131 |
| Signal transduction | Gga.5148.1.S1_at | tumor necrosis factor receptor superfamily, member 1B | 5.991 |
| Signal transduction | Gga.8823.1.S1_s_at | CKLF-like MARVEL transmembrane domain containing 7 | 5.990 |
| Signal transduction | GgaAffx.3477.1.S1_at | G protein-coupled receptor 35 | 5.986 |
| Signal transduction | GgaAffx.12575.1.S1_s_at | ankyrin repeat and SOCS box-containing 9 | 5.942 |
| Signal transduction | Gga.1027.1.S1_at | similar to Rho-GTPase-activating protein 6 (Rho-type GTPase-activating protein RhoGAPX-1) | 5.775 |
| Signal transduction | Gga.998.2.S1_a_at | CD3d molecule, delta (CD3-TCR complex) | 5.712 |
| Signal transduction | Gga.11395.1.S1_at | G protein-coupled receptor 34 | 5.576 |
| Signal transduction | GgaAffx.24611.2.S1_s_at | similar to histamine H3 receptor H3S | 5.551 |
| Signal transduction | GgaAffx.4780.1.S1_at | signal transducer and activator of transcription 1, 91kDa | 5.283 |
| Signal transduction | GgaAffx.12684.1.S1_s_at | Rho GTPase activating protein 25 | 5.257 |
| Signal transduction | Gga.11516.1.S1_at | Pyrimidinergic receptor P2Y, G-protein coupled, 6 | 5.235 |
| Signal transduction | Gga.4359.1.S2_s_at | tumor necrosis factor (ligand) superfamily, member 13b | 5.162 |
| Signal transduction | GgaAffx.12918.1.S1_s_at | cytohesin 4 | 5.126 |
| Signal transduction | Gga.4970.1.S1_at | CD3e molecule, epsilon (CD3-TCR complex) | 4.995 |
| Signal transduction | Gga.6098.1.S1_at | Similar to contactin associated protein | 4.976 |
| Signal transduction | GgaAffx.11771.1.S1_at | Rac/Cdc42 guanine nucleotide exchange factor (GEF) 6 | 4.796 |
| Signal transduction | Gga.352.1.S1_at | regulator of G-protein signaling 20 | 4.700 |
| Signal transduction | Gga.10030.1.S1_s_at | phosphoinositide-3-kinase, regulatory subunit 5, p101 | 4.610 |
| Signal transduction | Gga.986.1.S1_s_at | tumor necrosis factor receptor superfamily, member 18 | 4.476 |
| Signal transduction | GgaAffx.8756.1.S1_at | similar to FKSG15 | 4.405 |
| Signal transduction | GgaAffx.10807.1.S1_at | Epstein-Barr virus induced gene 2 (lymphocyte-specific G protein-coupled receptor) | 4.287 |
| Signal transduction | Gga.1092.1.S1_s_at | G protein-coupled receptor 174 | 4.282 |
| Signal transduction | Gga.3624.1.S1_at | phosphodiesterase 3B, cGMP-inhibited | 3.977 |
| Signal transduction | GgaAffx.12014.1.S1_s_at | amyloid beta (A4) precursor protein-binding, family B, member 1 interacting protein | 3.879 |
| Signal transduction | Gga.4113.1.S1_at | ras homolog gene family, member F (in filopodia) | 3.743 |
| Signal transduction | GgaAffx.11590.1.S1_s_at | cytohesin 1 | 3.702 |
| Signal transduction | Gga.5148.1.S1_s_at | tumor necrosis factor receptor superfamily, member 1B | 3.601 |
| Signal transduction | Gga.8752.1.S1_s_at | sorting nexin 10 | 3.594 |
| Signal transduction | GgaAffx.3442.2.S1_s_at | Rho guanine nucleotide exchange factor (GEF) 3 | 3.579 |
| Signal transduction | GgaAffx.9008.1.S1_s_at | parvin, gamma | 3.410 |
| Signal transduction | Gga.17410.1.S1_at | Glucocorticoid induced transcript 1 | 3.362 |
| Signal transduction | Gga.9999.1.S1_at | RAS p21 protein activator 3 | 3.341 |
| Signal transduction | GgaAffx.11861.1.S1_at | RasGEF domain family, member 1A | 3.313 |
| Signal transduction | Gga.19099.2.S1_a_at | secreted protein, acidic, cysteine-rich (osteonectin) | 3.312 |
| Signal transduction | GgaAffx.9971.2.S1_s_at | G protein-coupled receptor kinase 4 | 3.309 |
| Signal transduction | Gga.10465.1.S1_s_at | G protein-coupled receptor 65 | 3.259 |
| Signal transduction | Gga.12335.2.S1_s_at | cytohesin 4 | 3.246 |
| Signal transduction | Gga.12662.1.S1_at | signal transducer and activator of transcription 1, 91kDa | 3.235 |
| Signal transduction | Gga.3175.1.S1_at | Phosphoinositide-3-kinase, regulatory subunit 1 (p85 alpha) | 3.223 |
| Signal transduction | GgaAffx.11756.1.S1_at | G protein-coupled receptor 137B | 3.153 |
| Signal transduction | GgaAffx.1027.1.S1_at | TNF receptor-associated factor 1 | 3.135 |
| Signal transduction | GgaAffx.7443.1.S1_at | signal transducing adaptor family member 1 | 3.053 |
| Signal transduction | GgaAffx.1691.1.A1_at | regulator of G-protein signalling 5 | 3.029 |
| Signal transduction | GgaAffx.5618.1.S1_at | amyloid beta (A4) precursor protein-binding, family B, member 1 interacting protein | 0.499 |
| Signal transduction | Gga.7708.1.S1_at | agrin | 0.497 |
| Signal transduction | Gga.4589.1.S3_at | thyroid hormone receptor interactor 12 | 0.496 |
| Signal transduction | GgaAffx.22041.1.S1_s_at | src kinase associated phosphoprotein 2 | 0.476 |
| Signal transduction | GgaAffx.25488.1.S1_at | TNF receptor-associated factor 6 | 0.467 |
| Signal transduction | Gga.4101.1.S1_s_at | diacylglycerol kinase, delta 130kDa | 0.463 |
| Signal transduction | Gga.10747.1.S1_s_at | ankyrin 3 | 0.461 |
| Signal transduction | Gga.2166.3.S1_a_at | hepatocyte growth factor (hepapoietin A; scatter factor) | 0.458 |
| Signal transduction | GgaAffx.21433.1.S1_s_at | RAS, dexamethasone-induced 1 | 0.457 |
| Signal transduction | Gga.7797.1.S1_s_at | Rac GTPase activating protein 1 | 0.427 |
| Signal transduction | GgaAffx.23134.1.S1_at | insulin receptor substrate 1 | 0.387 |
| Signal transduction | Gga.8230.1.S1_at | discs, large homolog 7 (Drosophila) | 0.384 |
| Signal transduction | GgaAffx.25114.2.S1_s_at | lipopolysaccharide-induced TNF factor | 0.320 |
| Transporter/membrane trafficking | Gga.2680.1.S1_at | aquaporin 1 (Colton blood group) | 19.758 |
| Transporter/membrane trafficking | Gga.918.1.S1_at | potassium large conductance calcium-activated channel, subfamily M, beta member 1 | 11.604 |
| Transporter/membrane trafficking | Gga.9077.1.S1_at | hydrogen voltage-gated channel 1 | 9.945 |

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| Transporter/membrane trafficking | Gga.11184.1.S1_at | potassium channel tetramerisation domain containing 12 | 9.018 |
| Transporter/membrane trafficking | Gga.12076.1.S1_at | purinergic receptor P2X, ligand-gated ion channel, 5 | 5.915 |
| Transporter/membrane trafficking | Gga.871.1.S1_at | solute carrier family 2 (facilitated glucose transporter), member 3 | 5.714 |
| Transporter/membrane trafficking | Gga.14445.1.S1_s_at | solute carrier family 1 (high affinity aspartate/glutamate transporter), member 6 | 5.374 |
| Transporter/membrane trafficking | Gga.16544.1.S1_s_at | chloride intracellular channel 2 | 5.361 |
| Transporter/membrane trafficking | Gga.1235.2.S1_at | potassium voltage-gated channel, shaker-related subfamily, beta member 2 | 5.274 |
| Transporter/membrane trafficking | Gga.7278.1.S1_at | Solute carrier family 25, member 29 | 4.881 |
| Transporter/membrane trafficking | GgaAffx.10727.2.S1_at | ATPase, class V, type 10A | 4.785 |
| Transporter/membrane trafficking | Gga.6246.1.S1_at | Rab interacting lysosomal protein-like 2 | 4.724 |
| Transporter/membrane trafficking | Gga.7430.1.S1_at | synaptotagmin XI | 4.698 |
| Transporter/membrane trafficking | GgaAffx.8046.1.S1_s_at | solute carrier family 41, member 2 | 4.674 |
| Transporter/membrane trafficking | GgaAffx.5539.1.S1_s_at | solute carrier family 1 (glutamate/neutral amino acid transporter), member 4 | 4.495 |
| Transporter/membrane trafficking | Gga.17590.1.S1_s_at | chloride intracellular channel 2 | 4.422 |
| Transporter/membrane trafficking | Gga.4594.1.S2_at | ATPase, Na ⁺ /K ⁺ transporting, beta 3 polypeptide | 4.070 |
| Transporter/membrane trafficking | Gga.4451.1.S1_at | gelsolin | 3.981 |
| Transporter/membrane trafficking | GgaAffx.1584.1.S1_at | solute carrier family 9 (sodium/hydrogen exchanger), member 9 | 3.831 |
| Transporter/membrane trafficking | GgaAffx.1584.2.S1_s_at | solute carrier family 9 (sodium/hydrogen exchanger), member 9 | 3.608 |
| Transporter/membrane trafficking | Gga.9127.1.S1_at | ATPase, class V, type 10D | 3.476 |
| Transporter/membrane trafficking | Gga.9816.1.S1_s_at | chloride intracellular channel 2 | 3.436 |
| Transporter/membrane trafficking | Gga.1235.1.S1_at | potassium voltage-gated channel, shaker-related subfamily, beta member 2 | 3.434 |
| Transporter/membrane trafficking | Gga.4594.1.S1_at | ATPase, Na ⁺ /K ⁺ transporting, beta 3 polypeptide | 3.420 |
| Transporter/membrane trafficking | Gga.6941.1.S1_at | Similar to guanine nucleotide exchange factor Lbc | 3.374 |
| Transporter/membrane trafficking | Gga.2564.1.S1_s_at | adaptor-related protein complex 1, sigma 2 subunit | 3.276 |
| Transporter/membrane trafficking | GgaAffx.22282.1.S1_at | solute carrier family 29 (nucleoside transporters), member 1 | 0.497 |
| Transporter/membrane trafficking | Gga.458.1.S1_s_at | ATPase, Ca ⁺⁺ transporting, plasma membrane 4 | 0.488 |
| Transporter/membrane trafficking | Gga.18339.1.S1_s_at | nucleoporin 54kDa | 0.488 |
| Transporter/membrane trafficking | Gga.5104.1.S1_at | nucleoporin 35kDa | 0.480 |
| Transporter/membrane trafficking | Gga.7586.1.S1_at | solute carrier family 23 (nucleobase transporters), member 2 | 0.474 |
| Transporter/membrane trafficking | GgaAffx.1444.1.S1_at | karyopherin alpha 5 (importin alpha 6) | 0.468 |
| Transporter/membrane trafficking | GgaAffx.22855.1.S1_at | RAB14, member RAS oncogene family | 0.467 |
| Transporter/membrane trafficking | Gga.6181.1.S1_at | potassium channel tetramerisation domain containing 10 | 0.461 |
| Transporter/membrane trafficking | GgaAffx.26684.1.S1_at | solute carrier family 16, member 13 (monocarboxylic acid transporter 13) | 0.451 |
| Transporter/membrane trafficking | GgaAffx.24196.1.S1_s_at | potassium channel tetramerisation domain containing 20 | 0.448 |
| Transporter/membrane trafficking | GgaAffx.10181.1.S1_at | syntaxin binding protein 3 | 0.430 |
| Transporter/membrane trafficking | GgaAffx.4428.2.S1_s_at | vacuolar protein sorting 53 homolog (S. cerevisiae) | 0.424 |
| Transporter/membrane trafficking | GgaAffx.6526.7.S1_s_at | importin 7 | 0.421 |
| Transporter/membrane trafficking | Gga.12255.1.S1_s_at | ATPase, H ⁺ transporting, lysosomal V0 subunit a1 | 0.413 |
| Transporter/membrane trafficking | Gga.16527.1.S1_at | solute carrier family 43, member 2 | 0.412 |
| Transporter/membrane trafficking | Gga.13215.1.S1_at | RAB, member RAS oncogene family-like 5 | 0.396 |
| Transporter/membrane trafficking | Gga.7931.1.S1_at | nucleoporin 133kDa | 0.271 |