

Table 6. Differentially expressed mGEP transcripts after a 24h infection with the ChAG-associated Kx1 isolate.

Upregulated transcripts			
Affymetrix probe set ID	Gene ID	Gene description	Fold change compared to uninfected mGEPs
1427429_at	12981	colony stimulating factor 2 (granulocyte-macrophage)	2266.3
1422029_at	20297	chemokine (C-C motif) ligand 20	637.6
1421228_at	20306	chemokine (C-C motif) ligand 7	209.3
1449984_at	20310	chemokine (C-X-C motif) ligand 2	196.3
1419728_at	20311	chemokine (C-X-C motif) ligand 5	96.2
1427747_a_at	16819	lipocalin 2	92.0
1434015_at	227659	solute carrier family 2 (facilitated glucose transporter), member 6	86.5
1420515_a_at	57757	peptidoglycan recognition protein 2	81.0
1460722_at	223920	sterol O-acyltransferase 2	78.7
1449591_at	12363	caspase 11, apoptosis-related cysteine protease	70.0
1420380_at	20296	chemokine (C-C motif) ligand 2	63.2
1450826_a_at	20210	serum amyloid A 3	51.0
1419149_at	18787	serine (or cysteine) proteinase inhibitor, clade E, member 1	49.1
1441150_x_at		Transcribed locus	43.2
1427381_at	16365	immunoresponse gene 1	39.5
1421682_a_at	21647	t-complex-associated testis expressed 3	37.1
1423954_at	12266	complement component 3	35.3
1418930_at	15945	chemokine (C-X-C motif) ligand 10	34.5
1419209_at	14825	chemokine (C-X-C motif) ligand 1	34.4
1445381_at			34.2
1433963_a_at	108101	cDNA sequence BC032204	32.2
1420197_at	17873	Growth arrest and DNA-damage-inducible 45 beta	30.1
1423172_at	17957	N-ethylmaleimide sensitive fusion protein attachment protein beta	29.8
1450582_at	15016	histocompatibility 2, Q region locus 5	29.6
1440207_at	99010	expressed sequence AI505034	29.5
1453851_a_at	23882	growth arrest and DNA-damage-inducible 45 gamma	29.0
1417813_at	56489	inhibitor of kappaB kinase epsilon	28.6
1418126_at	20304	chemokine (C-C motif) ligand 5	28.4
1427372_at	13115	cytochrome P450, family 27, subfamily b, polypeptide 1	27.3
1450297_at	16193	interleukin 6	27.2
1424735_at	227731	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 25	25.8
1450199_a_at	192187	stabilin 1	25.7
1419529_at	83430	interleukin 23, alpha subunit p19	24.5
1418829_a_at	13807	enolase 2, gamma neuronal	24.1
1419665_a_at	56312	nuclear protein 1	23.2
1419853_a_at			23.1
1419697_at	56066	chemokine (C-X-C motif) ligand 11	23.0
1420057_at	107817	Phosphatidylserine receptor	22.8
1460251_at	14102	Fas (TNF receptor superfamily member)	22.5
1455197_at	223881	Rho family GTPase 1	22.1
1448485_at	14598	gamma-glutamyltransferase 1	20.2
1442856_at	223780	adrenomedullin 2	20.0
1417516_at	13198	DNA-damage inducible transcript 3	19.9
1419241_a_at	11634	autoimmune regulator (autoimmune polyendocrinopathy candidiasis ectodermal dystrophy)	19.2
1427410_at	328425	deleted in lymphocytic leukemia, 2	18.9
1426464_at	217166	nuclear receptor subfamily 1, group D, member 1	18.6
1428864_at	71434	RIKEN cDNA 5530400B01 gene	18.2
1452418_at	319202	RIKEN cDNA 1200016E24 gene	17.9
1457135_at	245827	fat tumor suppressor homolog 2 (Drosophila)	17.7
1425154_a_at	12977	colony stimulating factor 1 (macrophage)	17.3
1435462_at	433022	hypothetical LOC433022	17.2
1438707_at	224079	ATPase type 13A4	17.2
1415989_at	22329	vascular cell adhesion molecule 1	17.0
1439837_at	227331	trinucleotide repeat containing 15	16.9
1450829_at	21929	tumor necrosis factor, alpha-induced protein 3	16.4
1434774_at	217344	rhomboid, veinlet-like 6 (Drosophila)	15.6
1439787_at			15.4
1434582_at	238988	DNA segment, Chr 14, ERATO Doi 171, expressed	15.3
1419647_a_at	15937	immediate early response 3	15.2
1418936_at	17133	v-maf musculoaponeurotic fibrosarcoma oncogene family, protein F (avian)	15.2
1416432_at	170768	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	15.1
1420958_at			15.0
1421392_a_at	11796	baculoviral IAP repeat-containing 3	15.0
1432466_a_at	11816	apolipoprotein E	14.1
1433694_at	18576	phosphodiesterase 3B, cGMP-inhibited	14.1
1417936_at	20308	chemokine (C-C motif) ligand 9	14.1

1417856_at	19698 avian reticuloendotheliosis viral (v-rel) oncogene related B	13.8
1418133_at	12051 B-cell leukemia/lymphoma 3	13.4
1449731_s_at		13.3
1417262_at	19225 prostaglandin-endoperoxide synthase 2	13.1
1431188_a_at	21968 /// target of myb1 homolog (chicken) /// similar to TOM1 545878	13.1
1424785_at	70726 angiopoietin-like 6	12.8
1450264_a_at	12660 choline kinase alpha	12.8
1419675_at	18049 nerve growth factor, beta	12.4
1448886_at	14462 GATA binding protein 3	12.4
1450430_at	17533 mannose receptor, C type 1	11.9
1421992_a_at	16010 insulin-like growth factor binding protein 4	11.8
1422612_at	15277 hexokinase 2	11.5
1426063_a_at	14579 GTP binding protein (gene overexpressed in skeletal muscle)	11.5
1449519_at	13197 growth arrest and DNA-damage-inducible 45 alpha	11.3
1424959_at	69787 annexin A13	11.1
1422033_a_at	12803 ciliary neurotrophic factor	11.0
1448026_at	320790 Chromodomain helicase DNA binding protein 7	11.0
1416690_at	56055 GTP binding protein 2	10.9
1420760_s_at	17990 N-myc downstream regulated-like	10.9
1418536_at	386462 similar to MHC Q8/9d surface antigen	10.8
1422573_at	11717 AMP deaminase 3	10.4
1436555_at	101999 expressed sequence AI158848	10.4
1423602_at	22029 Tnf receptor-associated factor 1	10.4
1451593_at	15006 Histocompatibility 2, D region locus 1	10.3
1450630_at	60507 queuine tRNA-ribosyltransferase 1	10.3
1417812_a_at	16780 laminin, beta 3	10.3
1455965_at		10.1
1417483_at	80859 nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, zeta	10.0
1448657_a_at	56812 DnaJ (Hsp40) homolog, subfamily B, member 10	10.0
1449363_at	11910 activating transcription factor 3	9.9
1455010_at	68949 RIKEN cDNA 1500012F01 gene	9.7
1422648_at	11988 solute carrier family 7 (cationic amino acid transporter, y+ system), member 2	9.7
1435540_at	210146 immunity-related GTPase family, Q1	9.5
1426027_a_at	78514 Rho GTPase activating protein 10	9.5
1428365_a_at	74142 protease, serine, 15	9.4
1426065_a_at	228775 tribbles homolog 3 (Drosophila)	9.3
1421756_a_at	14760 G protein-coupled receptor 19	9.3
1439071_at	71426 RIKEN cDNA 5430416N02 gene	9.2
1436040_at	69471 RIKEN cDNA 2310005L22 gene	9.1
1451338_at	64652 nischarin	9.0
1426526_s_at	12659 oviductal glycoprotein 1	8.8
1437100_x_at	223775 proviral integration site 3	8.7
1428279_a_at	72174 ataxin 7-like 4	8.7
1423848_at	68533 M phase phosphoprotein 6	8.6
1428691_at	71437 RIKEN cDNA 5630401D06 gene	8.6
1423413_at	17988 N-myc downstream regulated gene 1	8.5
1452416_at	16194 interleukin 6 receptor, alpha	8.4
1434574_at	68108 RIKEN cDNA 9430008C03 gene	8.4
1425837_a_at	12457 CCR4 carbon catabolite repression 4-like (S. cerevisiae)	8.4
1416920_at	19653 RNA binding motif protein 4	8.3
1435680_a_at	83768 dipeptidylpeptidase 7	8.3
1424940_s_at	217887 cDNA sequence BC022687	8.3
1428306_at	74747 DNA-damage-inducible transcript 4	8.2
1424490_at	232969 RIKEN cDNA 2410005H09 gene	8.2
1419105_at	20186 nuclear receptor subfamily 1, group H, member 4	8.2
1423903_at	52118 poliovirus receptor	8.2
1448436_a_at	16362 interferon regulatory factor 1	8.2
1440143_at	239827 RIKEN cDNA F630022B06 gene	8.2
1452684_at	67605 AKT1 substrate 1 (proline-rich)	8.2
1420382_at	171504 apolipoprotein B48 receptor	8.1
1438148_at	330122 gene model 1960, (NCBI)	8.1
1448855_at	56289 Ras association (RalGDS/AF-6) domain family 1	8.1
1417408_at	14066 coagulation factor III	8.1
1415899_at	16477 Jun-B oncogene	8.0
1427348_at	230738 zinc finger CCCH type containing 12A	8.0
1436212_at	213068 expressed sequence AI661017	8.0
1435108_at	239027 Rho GTPase activating protein 22	7.9
1424067_at	15894 intercellular adhesion molecule	7.9
1441836_x_at	74174 RIKEN cDNA 1700006H03 gene	7.9
1453429_at	78672 RIKEN cDNA 9530057J20 gene	7.9
1432088_at	72789 ventricular zone expressed PH domain homolog 1 (zebrafish)	7.9

1433453_a_at	99382 expressed sequence AW539457	7.8
1448377_at	20568 secretory leukocyte protease inhibitor	7.8
1452198_at	30841 F-box and leucine-rich repeat protein 10	7.8
1425519_a_at	16149 Ia-associated invariant chain	7.7
1419061_at	11854 ras homolog gene family, member D	7.5
1443883_at	66460 RIKEN cDNA 2610042O14 gene	7.5
1419203_at	24082 gene trap locus F3a	7.5
1451382_at	69065 RIKEN cDNA 1810008K03 gene	7.4
1432059_x_at	75977 RIKEN cDNA 5031425E22 gene	7.4
1425030_at	52521 zinc finger protein 622	7.4
1431035_at	208846 dishevelled associated activator of morphogenesis 1	7.4
1419682_a_at	381406 /// TP53 regulating kinase /// similar to mNori-2p 76367	7.4
1448239_at	15368 heme oxygenase (decycling) 1	7.3
1448325_at	17872 myeloid differentiation primary response gene 116	7.3
1422470_at	12176 BCL2/adenovirus E1B 19kDa-interacting protein 1, NIP3	7.3
1420450_at	17384 matrix metalloproteinase 10	7.2
1420710_at	19696 reticuloendotheliosis oncogene	7.1
1421001_a_at	12353 carbonic anhydrase 6	7.1
1432001_at	74843 zinc finger, MYND domain containing 17	7.1
1416769_s_at	114143 ATPase, H+ transporting, V0 subunit B	7.1
1435470_at		7.1
1416273_at	21928 tumor necrosis factor, alpha-induced protein 2	7.0
1420088_at		7.0
1418465_at	17972 neutrophil cytosolic factor 4	6.9
1425927_a_at	107503 activating transcription factor 5	6.9
1418571_at	27279 tumor necrosis factor receptor superfamily, member 12a	6.8
1417487_at	14283 fos-like antigen 1	6.8
1426810_at	104263 jumonji domain containing 1A	6.8
1424942_a_at	17869 myelocytomatosis oncogene	6.8
1455148_at	243339 hypothetical protein C130036G08	6.7
1418422_at	93806 serine (or cysteine) proteinase inhibitor, clade B, member 9g	6.7
1452595_at	240913 a disintegrin-like and metalloprotease (repolysin type) with thrombospondin type 1 motif, 4	6.7
1451233_at	22030 Tnf receptor-associated factor 2	6.6
1420089_at	18035 Nuclear factor of kappa light chain gene enhancer in B-cells inhibitor, alpha	6.6
1419516_at	108160 DNA segment, human DXS9928E	6.6
1449473_s_at	21939 tumor necrosis factor receptor superfamily, member 5	6.6
1431965_at	71067 RIKEN cDNA 4933411E08 gene	6.6
1429005_at	52065 malignant fibrous histiocytoma amplified sequence 1	6.4
1419029_at	50527 ERO1-like (S. cerevisiae)	6.4
1425412_at	216799 cold autoinflammatory syndrome 1 homolog (human)	6.4
1422705_at	65112 transmembrane, prostate androgen induced RNA	6.3
1449396_at	11754 amine oxidase, copper containing 3	6.3
1441935_at	68558 ankyrin repeat, family A (RFXANK-like), 2	6.2
1426452_a_at	75985 RAB30, member RAS oncogene family	6.2
1429907_at	73545 RIKEN cDNA 1700094D03 gene	6.1
1429726_at	66859 solute carrier family 16 (monocarboxylic acid transporters), member 9	6.1
1434372_at		6.1
1426243_at	107869 cystathionase (cystathionine gamma-lyase)	6.1
1418901_at	12608 CCAAT/enhancer binding protein (C/EBP), beta	6.1
1435062_at	68955 RIKEN cDNA 1500001A10 gene	6.0
1455666_at	218314 RIKEN cDNA A230042K10 gene	6.0
1421265_a_at	56190 RNA-binding region (RNP1, RRM) containing 1	6.0
1425681_a_at	26434 prion protein dublet	6.0
1448385_at	100561 solute carrier family 15, member 4	6.0
1427689_a_at	57783 TNFAIP3 interacting protein 1	6.0
1420113_s_at	66423 RIKEN cDNA 2410022L05 gene	6.0
1444086_at	210356 RIKEN cDNA E030049G20 gene	6.0
1447494_at	52819 DNA segment, Chr 7, Brigham & Women's Genetics 0826 expressed	5.9
1421042_at	16800 rho/rac guanine nucleotide exchange factor (GEF) 2	5.9
1427987_at	224902 scaffold attachment factor B2	5.9
1426726_at	52040 /// protein phosphatase 1, regulatory subunit 10 /// hypothetical protein LOC545202 545202	5.9
1436526_at	214505 N-acetylglucosamine-1-phosphotransferase, gamma subunit	5.9
1440346_at	216850 Hypothetical LOC74273	5.9
1421267_a_at	17684 Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2	5.9
1427334_s_at	67246 RIKEN cDNA 2810474O19 gene	5.8
1433798_a_at	105418 RIKEN cDNA E330034G19 gene	5.8
1424382_at	52377 reticulocalbin 3, EF-hand calcium binding domain	5.8
1436424_at	72012 RIKEN cDNA 1600020E01 gene	5.8
1453721_a_at	20530 solute carrier family 31, member 2	5.8
1422838_at	16532 potassium large conductance pH-sensitive channel, subfamily M, alpha member 3	5.7

1416224_at	22642 zinc finger and BTB domain containing 17	5.7
1425614_x_at	14964 histocompatibility 2, D region locus 1	5.7
1435432_at	347722 centaurin, gamma 2	5.7
1435955_at	243958 sialic acid binding Ig-like lectin 10	5.7
1444302_at	232313 cDNA sequence BC049816	5.7
1435976_at		5.7
1426990_at	65969 cubilin (intrinsic factor-cobalamin receptor)	5.6
1434210_s_at	16206 leucine-rich repeats and immunoglobulin-like domains 1	5.6
1449603_at	103795 expressed sequence AI594671	5.6
1427047_at	227699 nucleoporin 188	5.6
1429445_at	70894 RIKEN cDNA 4921510J17 gene	5.6
1436562_at	230073 DEAD (Asp-Glu-Ala-Asp) box polypeptide 58	5.6
1424489_a_at	66966 tRNA isopentenyltransferase 1	5.6
1417713_at	67204 eukaryotic translation initiation factor 2, subunit 2 (beta)	5.6
1437362_at	229780 RIKEN cDNA A930028L21 gene	5.6
1448593_at	22402 WNT1 inducible signaling pathway protein 1	5.6
1418932_at	18030 nuclear factor, interleukin 3, regulated	5.6
1429040_at	381598 RIKEN cDNA 2610005L07 gene	5.5
1441263_a_at	68161 RIKEN cDNA A930005H10 gene	5.5
1425902_a_at	18034 nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	5.5
1418025_at	20893 basic helix-loop-helix domain containing, class B2	5.5
1422035_at	20707 serine (or cysteine) proteinase inhibitor, clade B, member 9c	5.5
1416458_at	11841 ADP-ribosylation factor 2	5.4
1428492_at	384009 GLI pathogenesis-related 2	5.4
1422493_at	12892 coproporphyrinogen oxidase	5.4
1417149_at	18452 procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha II polypeptide	5.4
1451415_at	69068 RIKEN cDNA 1810011O10 gene	5.4
1418203_at	58801 phorbol-12-myristate-13-acetate-induced protein 1	5.3
1421640_a_at	21353 TRAF family member-associated Nf-kappa B activator	5.3
1434980_at	320207 phosphoinositide-3-kinase, regulatory subunit 5, p101	5.3
1419450_at	66612 ORM1-like 3 (S. cerevisiae)	5.3
1420991_at	107765 ankyrin repeat domain 1 (cardiac muscle)	5.3
1447936_at	69221 RIKEN cDNA 2410006H16 gene	5.3
1417409_at	16476 Jun oncogene	5.3
1448596_at	102857 solute carrier family 6 (neurotransmitter transporter, creatine), member 8	5.2
1418949_at	23886 growth differentiation factor 15	5.2
1419399_at	17777 microsomal triglyceride transfer protein	5.2
1421446_at	18752 protein kinase C, gamma	5.2
1434442_at	52331 DNA segment, Chr 5, ERATO Doi 593, expressed	5.2
1427957_at	109254 RIKEN cDNA 9530008L14 gene	5.1
1440967_at	66898 BAI1-associated protein 2-like 1	5.1
1457268_at	208266 DOT1-like, histone H3 methyltransferase (S. cerevisiae)	5.1
1427905_at	67509 RIKEN cDNA 1810063B07 gene	5.1
1426700_a_at	103135 ubiquitin specific protease 52	5.1
1452626_a_at	69064 RIKEN cDNA 1810014F10 gene	5.1
1417256_at	17386 matrix metalloproteinase 13	5.0
1423389_at	17131 MAD homolog 7 (Drosophila)	5.0
1449133_at	20753 small proline-rich protein 1A	5.0
1434830_at	17119 Max dimerization protein	5.0
1422018_at	15273 human immunodeficiency virus type I enhancer binding protein 2	5.0
1443951_at	320496 RIKEN cDNA C230076A16 gene	5.0
1416480_a_at	56295 hypoxia induced gene 1	5.0
1416401_at	12521 kangai 1 (suppression of tumorigenicity 6, prostate)	5.0
1451006_at	22436 xanthine dehydrogenase	5.0
1416268_at	23872 E26 avian leukemia oncogene 2, 3' domain	5.0
1424043_at	67418 peptidylprolyl isomerase (cyclophilin)-like 4	4.9
1449891_a_at	73379 discoidin, CUB and LCCL domain containing 2	4.9
1417060_at	76497 protein phosphatase 1, regulatory (inhibitor) subunit 11	4.9
1427159_at	74737 RIKEN cDNA 2500001H09 gene	4.9
1426300_at	11658 activated leukocyte cell adhesion molecule	4.9
1418808_at	19682 retinol dehydrogenase 5	4.8
1427691_a_at	15976 interferon (alpha and beta) receptor 2	4.8
1415671_at	11972 ATPase, H+ transporting, V0 subunit D isoform 1	4.8
1426501_a_at	211550 Traf2 binding protein	4.8
1416602_a_at	19365 RAD52 homolog (S. cerevisiae)	4.8
1450970_at	14718 glutamate oxaloacetate transaminase 1, soluble	4.8
1435499_at	270035 RIKEN cDNA D030041N04 gene	4.8
1418188_a_at	54409 receptor (calcitonin) activity modifying protein 2	4.8
1428383_a_at	268721 RIKEN cDNA 2310021P13 gene	4.8
1450922_a_at	21808 transforming growth factor, beta 2	4.7

1449324_at	434220 /// ERO1-like (S. cerevisiae) /// hypothetical gene supported by AK009667; NM_015774 50527	4.7
1419793_at		4.7
1430762_at	235345 RIKEN cDNA 4833427G06 gene	4.7
1424861_at	100662 RIKEN cDNA D930016D06 gene	4.7
1455394_at		4.7
1427079_at	100732 microtubule-associated protein, RP/EB family, member 3	4.7
1435229_at	235283 RIKEN cDNA A930008A22 gene	4.6
1438684_at	77976 ZNUAK family, SNF1-like kinase, 1	4.6
1455765_a_at	20927 ATP-binding cassette, sub-family C (CFTR/MRP), member 8	4.6
1448961_at	18828 phospholipid scramblase 2	4.6
1418131_at	56045 SAM domain and HD domain, 1	4.6
1450100_a_at	56070 transcription elongation regulator 1 (CA150)	4.5
1415997_at	56338 thioredoxin interacting protein	4.5
1422945_a_at	16574 kinesin family member 5C	4.5
1432478_a_at	75234 IBR domain containing 3	4.5
1440686_at	213171 proteinase, serine 27	4.5
1420772_a_at	14605 TSC22 domain family 3	4.4
1429527_a_at	22038 /// phospholipid scramblase 1 /// similar to phospholipid scramblase 1 433328	4.4
1434348_at	225020 fasciculation and elongation protein zeta 2 (zygin II)	4.4
1454928_at	224903 scaffold attachment factor B	4.4
1422886_a_at	12750 CDC like kinase 4	4.4
1417393_a_at	67389 RIKEN cDNA 1110035L05 gene	4.4
1459920_at	Transcribed locus	4.4
1433523_at	231858 RIKEN cDNA D930005D10 gene	4.4
1422053_at	16323 inhibin beta-A	4.4
1452406_x_at	170942 erythroid differentiation regulator 1	4.4
1436074_at	243910 cDNA sequence AY078069	4.4
1416600_a_at	54720 Down syndrome critical region homolog 1 (human)	4.4
1425019_at	217379 UBX domain containing 4	4.4
1436073_at	213993 RIKEN cDNA A630007B06 gene	4.4
1428372_at	76954 suppression of tumorigenicity 5	4.3
1431843_a_at	18037 nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, epsilon	4.3
1425047_a_at	70873 RIKEN cDNA 4921517L17 gene	4.3
1427171_at	109263 rearranged L-myc fusion sequence	4.3
1453345_at	70701 RIKEN cDNA 3830408G10 gene	4.3
1426928_at	70829 RIKEN cDNA 4633402D15 gene	4.3
1429412_at	223527 enhancer of yellow 2 homolog (Drosophila)	4.3
1428560_at	72322 exportin 5	4.3
1416067_at	15982 interferon-related developmental regulator 1	4.3
1417032_at	22213 ubiquitin-conjugating enzyme E2G 2	4.3
1423944_at	15458 hemopexin	4.3
1455487_at	69900 RIKEN cDNA 2600014M03 gene	4.3
1449041_a_at	22051 thyroid hormone receptor interactor 6	4.3
1418777_at	20300 chemokine (C-C motif) ligand 25	4.3
1421365_at	14313 follistatin	4.2
1453294_at	74173 RIKEN cDNA 1700012B15 gene	4.2
1447961_s_at	60441 mitochondrial ribosomal protein L38	4.2
1437204_a_at		4.2
1439497_at	Transcribed locus	4.2
1447802_x_at		4.2
1451780_at	17060 B-cell linker	4.2
1459681_at	Transcribed locus	4.2
1420617_at	67579 cytoplasmic polyadenylation element binding protein 4	4.2
1422748_at	24136 zinc finger homeobox 1b	4.1
1448562_at	22271 uridine phosphorylase 1	4.1
1428468_at	73205 RIKEN cDNA 3110043O21 gene	4.1
1436594_at	210105 RIKEN cDNA C630016O21 gene	4.1
1417707_at	100637 RIKEN cDNA B230342M21 gene	4.1
1426519_at	18451 procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha 1 polypeptide	4.0
1456389_at	319891 RIKEN cDNA 9130203F04 gene	4.0
1424148_a_at	106766 expressed sequence AW049765	4.0
1436350_at	241520 RIKEN cDNA D430039N05 gene	4.0
1418863_at	14463 GATA binding protein 4	4.0
1423622_a_at	56706 cyclin L1	4.0
1434405_at	216742 RIKEN cDNA A730024A03 gene	4.0
1420909_at	22339 vascular endothelial growth factor A	4.0
1433674_a_at	83673 RNA, U22 small nucleolar	4.0
1460638_at	107271 tyrosyl-tRNA synthetase	4.0
1427736_a_at	54199 chemokine (C-C motif) receptor-like 2	3.9

1416418_at	57436 gamma-aminobutyric acid (GABA(A)) receptor-associated protein-like 1	3.9
1418714_at	18218 dual specificity phosphatase 8	3.9
1424354_at	68487 RIKEN cDNA 1110007F12 gene	3.9
1427385_s_at	109711 actinin, alpha 1	3.9
1434300_at	67958 RIKEN cDNA 2610101N10 gene	3.9
1416831_at	18010 neuraminidase 1	3.9
1449946_a_at	68040 RIKEN cDNA 3110024A21 gene	3.8
1449949_a_at	13052 coxsackievirus and adenovirus receptor	3.8
1426681_at	217331 zinc finger CCCH type containing 5	3.8
1460562_at	101592 elongation factor Tu GTP binding domain containing 1	3.8
1418102_at	15205 hairy and enhancer of split 1 (Drosophila)	3.8
1422544_at	17909 myosin X	3.8
1425507_at	76688 ADP-ribosylation factor related protein 1	3.8
1431646_a_at	58244 syntaxin 6	3.8
1451385_at	70186 RIKEN cDNA 2310056P07 gene	3.7
1422803_at	83554 follistatin-like 3	3.7
1425336_x_at	14972 histocompatibility 2, K1, K region	3.7
1437480_at	66140 RIKEN cDNA 1110001A07 gene	3.7
1448806_at		3.7
1439488_at	Transcribed locus	3.7
1418495_at	57432 zinc finger CCCH type containing 8	3.7
1420499_at	14528 GTP cyclohydrolase 1	3.7
1421712_at	20339 selectin, endothelial cell	3.7
1422027_a_at	23871 E26 avian leukemia oncogene 1, 5' domain	3.7
1431082_a_at	67657 RAB, member of RAS oncogene family-like 3	3.7
1460691_at	213753 zinc finger protein 598	3.7
1421089_a_at	72400 RIKEN cDNA 2610028A01 gene	3.7
1415881_at	66092 growth hormone inducible transmembrane protein	3.7
1421236_at	192656 receptor (TNFRSF)-interacting serine-threonine kinase 2	3.7
1426806_at	109019 RIKEN cDNA 5830411E10 gene	3.7
1440145_at		3.7
1428858_at	73770 WD repeat domain 70	3.6
1455187_at	230848 zinc finger and BTB domain containing 40	3.6
1453228_at	74732 syntaxin 11	3.6
1424817_at	70997 sperm flagellar 1	3.6
1415798_at	12305 discoidin domain receptor family, member 1	3.6
1425305_at	114565 zinc finger protein 295	3.6
1436802_at	16201 interleukin enhancer binding factor 3	3.6
1450838_x_at	383438 /// ribosomal protein L37 /// similar to ribosomal protein L37	3.6
	67281	
1418469_at	268903 nuclear receptor interacting protein 1	3.6
1455491_at	432467 similar to heterogeneous nuclear ribonucleoprotein H3 isoform a	3.6
1435458_at		3.6
1459343_at	217026 RIKEN cDNA 2700008B19 gene	3.6
1419761_a_at	14391 GA repeat binding protein, beta 1	3.6
1422218_at	18439 purinergic receptor P2X, ligand-gated ion channel, 7	3.5
1424731_at	217011 notchless homolog 1 (Drosophila)	3.5
1428682_at	78751 zinc finger CCCH type containing 6	3.5
1418861_at	59004 protein inhibitor of activated STAT, 4	3.5
1428909_at	319269 RIKEN cDNA A130040M12 gene	3.5
1445758_at		3.5
1427578_a_at	16418 integrin beta 4 binding protein	3.5
1448050_s_at	26921 mitogen-activated protein kinase kinase kinase kinase 4	3.5
1439073_at	224585 Zinc finger protein 160	3.5
1441081_a_at	68763 RIKEN cDNA 1110038B12 gene	3.5
1419132_at	24088 toll-like receptor 2	3.5
1422473_at	18578 phosphodiesterase 4B, cAMP specific	3.5
1452521_a_at	18793 urokinase plasminogen activator receptor	3.5
1426459_s_at	106064 expressed sequence AW549877	3.5
1427705_a_at	18033 nuclear factor of kappa light chain gene enhancer in B-cells 1, p105	3.5
1431284_a_at	73658 RIKEN cDNA 2210013K02 gene	3.5
1425296_a_at	50780 regulator of G-protein signaling 3	3.4
1421679_a_at	12575 cyclin-dependent kinase inhibitor 1A (P21)	3.4
1422966_a_at	22042 transferrin receptor	3.4
1415814_at	11966 ATPase, H+ transporting, V1 subunit B, isoform 2	3.4
1423117_at	80912 pumilio 1 (Drosophila)	3.4
1423296_at	57296 proteasome (prosome, macropain) 26S subunit, non-ATPase, 8	3.4
1428982_at	320817 RIKEN cDNA D530031C13 gene	3.4
1438233_at	226151 RIKEN cDNA 6030443O07 gene	3.4
1421058_at	11529 alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide	3.4
1418835_at	21664 pleckstrin homology-like domain, family A, member 1	3.4
1440040_at	12571 Cyclin-dependent kinase 6	3.4

1449110_at	11852 ras homolog gene family, member B	3.4
1424211_at	70556 RIKEN cDNA 5730438N18 gene	3.3
1429052_at	19266 protein tyrosine phosphatase, receptor type, D	3.3
1437969_s_at	68327 RIKEN cDNA 0610007P22 gene	3.3
1422742_at	110521 human immunodeficiency virus type I enhancer binding protein 1	3.3
1447661_at	Transcribed locus	3.3
1433668_at	108767 proline-rich nuclear receptor coactivator 1	3.3
1422599_s_at	20841 zinc finger protein 143	3.3
1423044_at	114863 proline synthetase co-transcribed	3.3
1444644_x_at	69694 TatD DNase domain containing 1	3.3
1418539_a_at	19267 protein tyrosine phosphatase, receptor type, E	3.3
1423686_a_at	66151 RIKEN cDNA 1110020C13 gene	3.3
1424818_at	223774 asparagine-linked glycosylation 12 homolog (yeast, alpha-1,6-mannosyltransferase)	3.3
1450247_a_at	56807 secretory carrier membrane protein 5	3.3
1441691_at	Transcribed locus	3.3
1416272_at	56692 mitogen-activated protein kinase kinase 1 interacting protein 1	3.3
1417225_at	65106 ADP-ribosylation factor-like 6 interacting protein 5	3.3
1426827_at	231386 RIKEN cDNA A730098D12 gene	3.3
1451021_a_at	12224 Kruppel-like factor 5	3.3
1418960_at	239510 PHD finger protein 20-like 1	3.2
1435872_at		3.2
1416290_a_at	23996 proteasome (prosome, macropain) 26S subunit, ATPase, 4	3.2
1418503_at	15526 heat shock protein 9A	3.2
1435852_at	101809 sprouty-related, EVH1 domain containing 3	3.2
1439538_at	67433 RIKEN cDNA 0610011N22 gene	3.2
1415941_s_at	100494 expressed sequence AA407930	3.2
1428572_at	70350 brain abundant, membrane attached signal protein 1	3.2
1451485_at	67684 RIKEN cDNA 3300001P08 gene	3.2
1423534_at	18567 programmed cell death 2	3.2
1449338_at	52717 DNA segment, Chr 10, ERATO Doi 641, expressed	3.2
1449437_at	28040 DNA segment, Chr 6, Wayne State University 163, expressed	3.2
1446131_at		3.2
1417389_at	14733 glypican 1	3.2
1420367_at	68184 density-regulated protein	3.2
1451622_at	68421 LMBR1 domain containing 1	3.2
1417500_a_at	21817 transglutaminase 2, C polypeptide	3.2
1430776_s_at	70615 ankyrin repeat domain 24	3.2
1450113_at		3.2
1450534_x_at	56628 MHC (A.CAJ)(H-2K-f) class I antigen	3.2
1429070_at	71254 RIKEN cDNA 4933440H19 gene	3.2
1436524_at	107243 RIKEN cDNA 4833438C02 gene	3.2
1434364_at	53859 mitogen-activated protein kinase kinase kinase 14	3.2
1452110_at	210009 5-methyltetrahydrofolate-homocysteine methyltransferase reductase	3.2
1416487_a_at	22601 yes-associated protein 1	3.2
1430987_s_at	60321 WW domain binding protein 11	3.2
1423446_at	13144 death-associated kinase 3	3.1
1423549_at	55963 solute carrier family 1 (glutamate/neutral amino acid transporter), member 4	3.1
1427005_at	20620 polo-like kinase 2 (Drosophila)	3.1
1435394_s_at	11853 ras homolog gene family, member C	3.1
1450738_at	16564 kinesin family member 21A	3.1
1419122_at	17299 methyltransferase-like 1	3.1
1417329_at	54338 solute carrier family 23 (nucleobase transporters), member 2	3.1
1423432_at	83946 pleckstrin homology domain interacting protein	3.1
1425099_a_at	11865 aryl hydrocarbon receptor nuclear translocator-like	3.1
1455096_at		3.1
1417034_at	67091 trafficking protein particle complex 6A	3.1
1419544_at	66335 ATPase, H+ transporting, V1 subunit C, isoform 1	3.1
1448793_a_at	20971 syndecan 4	3.1
1423085_at	13643 ephrin B3	3.1
1418240_at	14469 guanylate nucleotide binding protein 2	3.1
1423760_at	12505 CD44 antigen	3.1
1428487_s_at	67876 RIKEN cDNA 1500041J02 gene	3.1
1438803_s_at	74718 sorting nexin 16	3.1
1458718_at	243025 Gene model 446, (NCBI)	3.1
1452178_at	18810 plectin 1	3.1
1423970_at	73666 THO complex 3	3.1
1451123_at	212706 RIKEN cDNA C330016O10 gene	3.1
1443072_at	171395 Polycystic kidney disease 1 like 1	3.1
1419088_at	21859 tissue inhibitor of metalloproteinase 3	3.0
1424380_at	330192 cDNA sequence BC026744	3.0
1418453_a_at	11931 ATPase, Na+/K+ transporting, beta 1 polypeptide	3.0
1421818_at	12053 B-cell leukemia/lymphoma 6	3.0

1416994_at	66827 tetratricopeptide repeat domain 1	3.0
1443558_s_at	103466 RIKEN cDNA C630002B14 gene	3.0
1417088_at	26919 zinc finger protein 346	3.0
1434241_at	210544 WD repeat domain 67	3.0
1418032_at	101142 RIKEN cDNA 2700050P07 gene	3.0
1421499_a_at	19250 protein tyrosine phosphatase, non-receptor type 14	3.0
1431561_a_at	71723 DEAH (Asp-Glu-Ala-His) box polypeptide 34	3.0
1427955_a_at	26901 differentially expressed in B16F10 1	3.0
1451491_at	75284 RIKEN cDNA 4930556P03 gene	3.0
1437176_at	434341 similar to nucleotide-binding oligomerization domains 27	3.0
1428226_at	68966 RIKEN cDNA 1500001L15 gene	3.0
1457042_at		3.0
1416409_at	11430 acyl-Coenzyme A oxidase 1, palmitoyl	3.0
1424150_at	233552 glycerophosphodiester phosphodiesterase domain containing 5	3.0
1424892_at	22757 zinc finger protein 95	3.0
1433851_at		3.0
1429463_at	108079 protein kinase, AMP-activated, alpha 2 catalytic subunit	3.0
1420975_at	22385 bromodomain adjacent to zinc finger domain, 1B	2.9
1449800_x_at	71838 PHD finger protein 7	2.9
1454923_at	107036 expressed sequence AW214353	2.9
1437751_at	19017 peroxisome proliferative activated receptor, gamma, coactivator 1 alpha	2.9
1448417_at	18081 ninjurin 1	2.9
1439780_at	66229 ribosomal protein L7-like 1	2.9
1448057_at	Transcribed locus	2.9
1423103_at		2.9
1416991_at	68291 mitochondrial translation optimization 1 homolog (S. cerevisiae)	2.9
1442918_at	260315 neuron navigator 3	2.9
1456284_at	PREDICTED: Mus musculus similar to PRP2 (LOC380863), mRNA	2.9
1448049_at	108829 Jumonji domain containing 1C	2.9
1420649_at	11906 AT motif binding factor 1	2.9
1423507_a_at	64383 sirtuin 2 (silent mating type information regulation 2, homolog) 2 (S. cerevisiae)	2.9
1424533_a_at	67291 RIKEN cDNA 3110023B02 gene	2.9
1424996_at	12633 CASP8 and FADD-like apoptosis regulator	2.9
1418174_at	13170 D site albumin promoter binding protein	2.8
1419087_s_at	67465 splicing factor 3a, subunit 1	2.8
1421307_at	71934 carbonic anhydrase 13	2.8
1416615_at	53895 caseinolytic protease, ATP-dependent, proteolytic subunit homolog (E. coli)	2.8
1417193_at	20656 superoxide dismutase 2, mitochondrial	2.8
1434726_at	106757 RIKEN cDNA 4933402B14 gene	2.8
1456880_at		2.8
1431885_a_at	71711 MUS81 endonuclease homolog (yeast)	2.8
1435280_at	105178 expressed sequence AI452195	2.8
1425810_a_at	13007 cysteine and glycine-rich protein 1	2.8
1427672_a_at	22289 ubiquitously transcribed tetratricopeptide repeat gene, X chromosome	2.8
1428674_at	66921 PRP38 pre-mRNA processing factor 38 (yeast) domain containing B	2.8
1416186_at	52830 proline-rich nuclear receptor coactivator 2	2.8
1426536_at	93697 NMDA receptor-regulated gene 2	2.8
1428557_a_at	72085 O-sialoglycoprotein endopeptidase-like 1	2.8
1455196_s_at	380856 expressed sequence AA987161	2.8
1427540_at	52696 ZW10 interactor	2.8
1460323_at	110960 threonyl-tRNA synthetase	2.8
1434855_at	245847 RIKEN cDNA 5730457F11 gene	2.8
1427009_at	16776 laminin, alpha 5	2.8
1436183_at	319257 RIKEN cDNA 9830115L13 gene	2.8
1418369_at	19075 DNA primase, p49 subunit	2.8
1419543_a_at	20462 splicing factor, arginine/serine-rich 10 (transformer 2 homolog, Drosophila)	2.8
1425262_at	12611 CCAAT/enhancer binding protein (C/EBP), gamma	2.8
1426898_at	66513 mitogen-activated protein kinase kinase 7 interacting protein 1	2.7
1436559_a_at	53380 proteasome (prosome, macropain) 26S subunit, non-ATPase, 10	2.7
1460561_x_at	20364 selenoprotein W, muscle 1	2.7
1442654_at	Transcribed locus	2.7
1425536_at		2.7
1435526_at	240832 torsin A interacting protein 2	2.7
1454771_at		2.7
1438238_at	72071 RIKEN cDNA 2010315B03 gene	2.7
1419575_s_at	30046 zinc finger protein 292	2.7
1426721_s_at	99929 TCDD-inducible poly(ADP-ribose) polymerase	2.7
1450798_at	81877 tenascin XB	2.7
1434025_at	Transcribed locus	2.7
1419650_at	22763 zinc finger RNA binding protein	2.7
1428635_at	69156 catechol-O-methyltransferase domain containing 1	2.7
1456879_at	232236 RIKEN cDNA C130022K22 gene	2.7

1416304_at	56722 LPS-induced TN factor	2.7
1425319_s_at	67797 RIKEN cDNA 6530403A03 gene	2.7
1418605_at	22025 nuclear receptor subfamily 2, group C, member 1	2.6
1451095_at	27053 asparagine synthetase	2.6
1460278_a_at	28075 DNA segment, Chr 15, Wayne State University 75, expressed	2.6
1448271_a_at	56200 DEAD (Asp-Glu-Ala-Asp) box polypeptide 21	2.6
1417240_at	22793 zyxin	2.6
1426290_at	66254 RIKEN cDNA 1500031M22 gene	2.6
1428675_at	66193 RIKEN cDNA 1110049F12 gene	2.6
1455210_at	387609 zinc fingers and homeoboxes protein 2	2.6
1419046_at	59053 brain protein 16	2.6
1438062_at	320612 RIKEN cDNA 4832420A03 gene	2.6
1449832_at	73553 RIKEN cDNA 1700091H14 gene	2.6
1454045_a_at	260345 /// RIKEN cDNA 4933424M23 gene /// silencer-associated factor (Saf) pseudogene	2.6
	74451	
1423122_at	69534 arginine vasopressin-induced 1	2.6
1423552_at	68192 leptin receptor overlapping transcript-like 1	2.6
1416038_at	56463 expressed sequence AL033314	2.6
1433980_at	81601 HIV-1 tat interactive protein, homolog (human)	2.6
1423708_a_at	23874 phenylalanine-tRNA synthetase-like, beta subunit	2.6
1426653_at	17215 minichromosome maintenance deficient 3 (S. cerevisiae)	2.6
1415747_s_at	66878 RIO kinase 3 (yeast)	2.5
1424250_a_at	71704 Rho guanine nucleotide exchange factor (GEF) 3	2.5
1421378_s_at	17250 ATP-binding cassette, sub-family C (CFTR/MRP), member 1	2.5
1424309_a_at	17434 molybdenum cofactor synthesis 2	2.5
1417392_a_at	20540 solute carrier family 7 (cationic amino acid transporter, y+ system), member 7	2.5
1439371_x_at	21856 translocator of inner mitochondrial membrane 44	2.5
1428143_a_at	66853 patatin-like phospholipase domain containing 2	2.5
1434873_a_at	216859 centaurin, beta 1	2.5
1415807_s_at	20382 splicing factor, arginine/serine-rich 2 (SC-35)	2.5
1416104_at	24070 mannose-P-dolichol utilization defect 1	2.5
1423991_at	75416 RIKEN cDNA 2610033H07 gene	2.5
1434100_x_at	Transcribed locus	2.5
1423156_at	54342 glucosamine-phosphate N-acetyltransferase 1	2.5
1433609_s_at	20931 surfeit gene 2	2.5
1419554_at	16423 CD47 antigen (Rh-related antigen, integrin-associated signal transducer)	2.4
1426474_at	246782 ATP synthase mitochondrial F1 complex assembly factor 2	2.4
1448529_at	21824 thrombomodulin	2.4
1435188_at	433627 similar to chromosome 1 open reading frame 51	2.4
1440299_at	214763 RIKEN cDNA E330016A19 gene	2.4
1421151_a_at	13836 Eph receptor A2	2.4
1416029_at	21847 Kruppel-like factor 10	2.4
1455887_at	381903 asparagine-linked glycosylation 8 homolog (yeast, alpha-1,3-glucosyltransferase)	2.4
1416148_at	114128 lysosomal-associated protein transmembrane 4B	2.3
1422557_s_at	17748 metallothionein 1	2.3
1423393_at	29876 chloride intracellular channel 4 (mitochondrial)	2.3
1428919_at	75296 Fgfr1 oncogene partner	2.3
1415971_at	17118 myristoylated alanine rich protein kinase C substrate	2.3
1418078_at	19192 proteasome (prosome, macropain) 28 subunit, 3	2.3
1434931_at	18007 neogenin	2.3
1452207_at		2.3
1419569_a_at	57444 interferon-stimulated protein	2.2
1424048_a_at	72017 NAD(P)H:quinone oxidoreductase type 3, polypeptide A2	2.2
1426713_s_at	107508 glutamyl-prolyl-tRNA synthetase	2.2
1428138_s_at	67166 ADP-ribosylation factor-like 10C	2.2

Downregulated transcripts

Affymetrix probe set ID	Gene ID	Gene description	Fold change compared to uninfected mGEPs
1416326_at	12925	cysteine-rich protein 1 (intestinal)	-116.2
1451386_at	233016	biliverdin reductase B (flavin reductase (NADPH))	-53.1
1436528_at	107250	Kazal-type serine protease inhibitor domain 1	-35.3
1450966_at	74114	carnitine O-octanoyltransferase	-24.1
1435315_s_at	72904	RIKEN cDNA 2900034E22 gene	-23.3
1433465_a_at	101602	expressed sequence AI467606	-20.6
1434123_at	73068	fucosyltransferase 11	-20.3
1420622_a_at	15481 ///	heat shock protein 8 /// similar to heat shock protein 8 /// similar to Heat shock cognate 71 kDa	-20.1
	432432 ///	protein	
	434047		
1415897_a_at	56615	microsomal glutathione S-transferase 1	-18.9
1449248_at	12724	chloride channel 2	-16.3

1416368_at	14860 glutathione S-transferase, alpha 4	-16.0
1417220_at	14085 fumarylacetoacetate hydrolase	-15.9
1448661_at	18797 phospholipase C, beta 3	-15.5
1418665_at	114663 inositol (myo)-1(or 4)-monophosphatase 2	-15.3
1418980_a_at	12799 cyclic nucleotide phosphodiesterase 1	-14.0
1417732_at	11752 annexin A8	-13.5
1423642_at	227613 RIKEN cDNA 4930542G03 gene	-12.9
1450062_a_at	94275 melanoma antigen, family D, 1	-12.7
1415822_at	20250 stearoyl-Coenzyme A desaturase 2	-12.4
1415995_at	12368 caspase 6	-11.8
1418840_at	18569 programmed cell death 4	-11.7
1428083_at	66961 RIKEN cDNA 2310043N10 gene	-11.5
1434997_at	78334 cell division cycle 2-like 6 (CDK8-like)	-11.4
1456393_at	66360 RIKEN cDNA 2310002J21 gene	-11.3
1426369_at	67420 male sterility domain containing 2	-11.2
1449542_at	18514 pre B-cell leukemia transcription factor 1	-11.2
1415770_at	83669 WD repeat domain 6	-11.0
1436761_s_at	71721 RIKEN cDNA 1200015N20 gene	-10.9
1436796_at	68827 RIKEN cDNA 1110061A14 gene	-10.2
1427347_s_at	22151 /// tubulin, beta 2 /// RIKEN cDNA 2410129E14 gene /// similar to TUBULIN BETA CHAIN (T BETA-15)	-10.0
	544939 ///	
	73710	
1437760_at	230145 UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetyl-galactosaminyltransferase 12	-9.7
1444451_at	23850 pappalysin 2	-9.2
1423488_at	67468 monocyte to macrophage differentiation-associated	-9.1
1438195_at	333433 glycerol-3-phosphate dehydrogenase 1-like	-8.7
1449254_at	20750 secreted phosphoprotein 1	-8.7
1452398_at	74055 phospholipase C, epsilon 1	-8.7
1451643_a_at	19342 RAB4B, member RAS oncogene family	-8.4
1423894_a_at	67789 DALR anticodon binding domain containing 3	-8.2
1457260_at	100224 RIKEN cDNA 7530403E16 gene	-8.1
1424226_at	217830 RIKEN cDNA 9030617O03 gene	-8.0
1423538_at	18203 N-terminal Asn amidase	-8.0
1455878_at	70036 RIKEN cDNA 2700023E23 gene	-7.9
1416553_at	20892 stimulated by retinoic acid 13	-7.9
1415818_at	11749 annexin A6	-7.9
1435292_at	210789 TBC1 domain family, member 4	-7.8
1423282_at	18738 phosphatidylinositol transfer protein, alpha	-7.7
1428646_at	70402 RIKEN cDNA 2310056B04 gene	-7.6
1448533_at	66411 cytoskeleton-associated protein 1	-7.6
1423212_at	13619 polyhomeotic-like 1 (Drosophila)	-7.6
1448354_at	14381 glucose-6-phosphate dehydrogenase X-linked	-7.5
1425194_a_at	67788 RIKEN cDNA 6330577E15 gene	-7.5
1429739_a_at	56218 zinc finger protein 278	-7.4
1416256_a_at	22154 tubulin, beta 5	-7.4
1433751_at	227059 solute carrier family 39 (zinc transporter), member 10	-7.4
1419115_at	66789 RIKEN cDNA 5430428G01 gene	-7.3
1433683_at	77411 RIKEN cDNA 9530027K23 gene	-7.3
1418463_at	18709 phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 2 (p85 beta)	-7.3
1424515_at	320063 RIKEN cDNA B230354K17 gene	-7.2
1428588_a_at	67228 RIKEN cDNA 2810443J12 gene	-7.2
1417852_x_at	12722 chloride channel calcium activated 1	-7.2
1428447_at	75712 transmembrane protein 14A	-7.2
1418595_at	57435 plasma membrane associated protein, S3-12	-7.1
1424451_at	235674 3-ketoacyl-CoA thiolase B	-7.1
1428082_at	433256 acyl-CoA synthetase long-chain family member 5	-7.1
1423667_at	232087 methionine adenosyltransferase II, alpha	-7.0
1447372_at	69748 aldehyde dehydrogenase 16 family, member A1	-7.0
1438527_at	244512 /// ribosomal protein L3 /// similar to 60S ribosomal protein L3 (L4)	-6.9
	27367	
1438076_at	19946 ribosomal protein L30	-6.8
1452040_a_at	14793 cell division cycle associated 3	-6.7
1415984_at	11364 acetyl-Coenzyme A dehydrogenase, medium chain	-6.7
1427904_s_at	73694 RIKEN cDNA 2410091C18 gene	-6.5
1455604_at	545325 hypothetical protein LOC545325	-6.5
1416536_at	68114 melanoma associated antigen (mutated) 1	-6.5
1424577_at	229524 cDNA sequence BC008103	-6.4
1431375_s_at	57342 parvin, alpha	-6.4
1435926_at	98357 RIKEN cDNA E030003F13 gene	-6.4
1443858_at	10 days neonate cortex cDNA, RIKEN full-length enriched library, clone:A830054P04 product:unknown EST, full insert sequence	-6.3
1424334_at	74257 tetraspanin 17	-6.3

1433672_at	215201 RIKEN cDNA 4732479N06 gene	-6.2
1426350_at	217664 mannoside acetylglucosaminyltransferase 2	-6.1
1419292_at	78558 serine protease HTRA3	-6.1
1449147_at	76969 carbohydrate (keratan sulfate Gal-6) sulfotransferase 1	-6.1
1418209_a_at	18645 profilin 2	-6.0
1423672_at	72421 RIKEN cDNA 2510042P03 gene	-6.0
1440880_at	225651 metallophosphoesterase 1	-6.0
1416261_at	67226 transmembrane protein 19	-5.9
1448468_a_at	16497 potassium voltage-gated channel, shaker-related subfamily, beta member 1	-5.9
1433868_at		-5.9
1448196_at	108645 methionine adenosyltransferase II, beta	-5.8
1419927_s_at	98710 RAB interacting factor	-5.8
1415913_at	68052 ribosomal protein S13	-5.8
1420046_s_at	68877 MAF1 homolog (S. cerevisiae)	-5.8
1418890_a_at	19340 RAB3D, member RAS oncogene family	-5.7
1435612_at	330908 opioid binding protein/cell adhesion molecule-like	-5.7
1436747_at	319370 /// RIKEN cDNA 1110014K08 gene /// similar to RIKEN cDNA 1110014K08 gene	-5.7
	545968	
1419456_at	67880 dicarbonyl L-xylulose reductase	-5.6
1434481_at	74026 RIKEN cDNA 4121402D02 gene	-5.6
1423846_x_at	22143 tubulin, alpha 2	-5.6
1416866_at	12068 blocked early in transport 1 homolog (S. cerevisiae)	-5.6
1424062_at	216080 ubiquitin-conjugating enzyme E2D 1, UBC4/5 homolog (yeast)	-5.5
1416868_at	12580 cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4)	-5.5
1417969_at	76454 F-box only protein 31	-5.5
1426517_at	14687 guanine nucleotide binding protein, alpha z subunit	-5.5
1435735_x_at	109815 histocompatibility 47	-5.5
1420647_a_at	16691 /// keratin complex 2, basic, gene 8 /// similar to cytokeratin EndoA - mouse	-5.4
	434261	
1429896_at	74756 RIKEN cDNA 5830408B19 gene	-5.4
1418884_x_at	22142 tubulin, alpha 1	-5.4
1434228_at	381511 protein phosphatase 2C, magnesium dependent, catalytic subunit	-5.4
1417044_at	30949 leucine carboxyl methyltransferase 1	-5.4
1438201_at	Transcribed locus	-5.4
1416044_at	14248 flightless I homolog (Drosophila)	-5.4
1454060_a_at	18176 neuroblastoma ras oncogene	-5.4
1423484_at	83675 bicaudal C homolog 1 (Drosophila)	-5.4
1428074_at	72309 RIKEN cDNA 2310037P21 gene	-5.4
1423771_at	109042 protein kinase C, delta binding protein	-5.3
1418924_at	66985 RIKEN cDNA 2400009B11 gene	-5.3
1437073_x_at	105633 expressed sequence AV025504	-5.3
1423067_at	80280 CDK5 regulatory subunit associated protein 3	-5.2
1434311_at	231464 CCR4-NOT transcription complex, subunit 6-like	-5.2
1430978_at	75617 ribosomal protein S25	-5.2
1416374_at	55946 adaptor-related protein complex 3, mu 1 subunit	-5.2
1436373_at	269881 mitogen activated protein kinase kinase 10	-5.2
1424544_at	223649 nuclear receptor binding protein 2	-5.2
1451884_a_at	27756 LSM2 homolog, U6 small nuclear RNA associated (S. cerevisiae)	-5.1
1418157_at	13865 nuclear receptor subfamily 2, group F, member 1	-5.1
1460732_a_at	19041 perioplakin	-5.1
1423034_at	52700 thioredoxin-like 5	-5.1
1426499_at	227700 SH3-domain GRB2-like endophilin B2	-5.1
1426690_a_at	20787 sterol regulatory element binding factor 1	-5.0
1451306_at	217946 cell division cycle associated 7 like	-5.0
1416499_a_at	22428 dynactin 6	-5.0
1423732_at	72265 translocating chain-associating membrane protein 1	-5.0
1434543_a_at	66162 RIKEN cDNA 1110025L05 gene	-5.0
1438634_x_at	16796 LIM and SH3 protein 1	-5.0
1418460_at	27059 SH3 domain protein D19	-5.0
1426558_x_at	66376 RIKEN cDNA 3100002L24 gene	-5.0
1427020_at	219151 scavenger receptor class A, member 3	-5.0
1419449_a_at	14678 guanine nucleotide binding protein, alpha inhibiting 2	-5.0
1435557_at	234686 formin homology 2 domain containing 1	-5.0
1423712_a_at	97541 glutaminyl-tRNA synthetase	-5.0
1428321_at	68519 echinoderm microtubule associated protein like 1	-5.0
1450686_at	320276 /// RIKEN cDNA A130027P21 gene /// paraoxonase 2	-4.9
	330260	
1418467_at	66993 SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 3	-4.9
1451322_at	69574 RIKEN cDNA 2310016A09 gene	-4.9
1433581_at	68861 RIKEN cDNA 1190002N15 gene	-4.9
1452908_at	64451 disco interacting protein 2 homolog (Drosophila)	-4.9

1420637_at	110639 phosphoribosyl pyrophosphate synthetase 2	-4.8
1427898_at	74132 ring finger protein (C3H2C3 type) 6	-4.8
1429089_s_at	243219 RIKEN cDNA 2900026A02 gene	-4.8
1416311_s_at	22144 /// tubulin, alpha 3 /// tubulin, alpha 7 22147	-4.8
1423870_at	108909 RIKEN cDNA 2610208M17 gene	-4.8
1430332_a_at	110006 glucuronidase, beta	-4.8
1438115_a_at	26941 solute carrier family 9 (sodium/hydrogen exchanger), isoform 3 regulator 1	-4.8
1417214_at	80718 RAB27b, member RAS oncogene family	-4.8
1448519_at	21677 TEA domain family member 2	-4.8
1460035_at	12034 B-cell receptor-associated protein 37	-4.8
1434037_s_at	18519 p300/CBP-associated factor	-4.8
1415698_at	105348 golgi phosphoprotein 2	-4.8
1436959_x_at	56876 nasal embryonic LHRH factor	-4.8
1428113_at	70551 RIKEN cDNA 4930403J22 gene	-4.7
1416589_at	20692 secreted acidic cysteine rich glycoprotein	-4.7
1422444_at	16403 integrin alpha 6	-4.7
1423924_s_at	52588 tetraspanin 14	-4.7
1417219_s_at	19240 thymosin, beta 10	-4.7
1428428_at	68758 Williams Beuren syndrome chromosome region 21	-4.7
1422837_at	64929 sciellin	-4.7
1424157_at	259300 EH-domain containing 2	-4.7
1453634_a_at	67397 endoplasmic reticulum protein 29	-4.7
1454671_at	231070 insulin induced gene 1	-4.7
1449303_at	75747 sestrin 3	-4.7
1416155_at	15354 high mobility group box 3	-4.6
1417056_at	19186 proteasome (prosome, macropain) 28 subunit, alpha	-4.6
1426942_at	11630 absent in melanoma 1	-4.6
1418238_at	56357 isovaleryl coenzyme A dehydrogenase	-4.6
1423782_at	232157 MOB1, Mps One Binder kinase activator-like 1B (yeast)	-4.6
1438322_x_at	14137 farnesyl diphosphate farnesyl transferase 1	-4.6
1416838_at	17850 methylmalonyl-Coenzyme A mutase	-4.6
1448244_at	18777 lysophospholipase 1	-4.6
1434013_at	319713 actin binding LIM protein family, member 3	-4.6
1428145_at	52538 acetyl-Coenzyme A acyltransferase 2 (mitochondrial 3-oxoacyl-Coenzyme A thiolase)	-4.6
1448129_at	67771 actin related protein 2/3 complex, subunit 5	-4.6
1428600_at	73198 RIKEN cDNA 3110068G20 gene	-4.6
1425616_a_at	69216 RIKEN cDNA 2410005K17 gene	-4.6
1448967_at	66536 nipsnap homolog 3A (C. elegans)	-4.6
1428512_at	70237 basic helix-loop-helix domain containing, class B9	-4.6
1415760_s_at	11927 ATX1 (antioxidant protein 1) homolog 1 (yeast)	-4.5
1440094_at	407795 cDNA sequence BC030870	-4.5
1416928_at	75710 RNA binding motif protein 12	-4.5
1425546_a_at	22041 transferrin	-4.5
1452540_a_at	319179 /// histone 1, H2bc /// histone 1, H2be /// histone 1, H2bl /// histone 1, H2bm /// histone 1, H2bp 319185 /// 319186 /// 319188 /// 68024	-4.5
1455056_at	380928 LIM domain only 7	-4.5
1424531_a_at	21401 transcription elongation factor A (SII), 3	-4.5
1437471_at	217366 leucine rich repeat containing 45	-4.5
1424877_a_at	17025 aminolevulinate, delta-, dehydratase	-4.5
1428078_at	76892 RIKEN cDNA 0610013E23 gene	-4.5
1455195_at	20088 ribosomal protein S24	-4.5
1434613_at	69053 RIKEN cDNA 1810013L24 gene	-4.5
1438730_at	408054 cDNA sequence BC028801	-4.5
1417460_at	80876 interferon induced transmembrane protein 2	-4.4
1424917_a_at	52639 DNA segment, Chr 11, ERATO Doi 498, expressed	-4.4
1428522_at	74044 Transcription termination factor, RNA polymerase II	-4.4
1450920_at	12442 cyclin B2	-4.4
1440409_at	70075 RIKEN cDNA 2210401J11 gene	-4.4
1438402_at	269233 RIKEN cDNA 9630050M13 gene	-4.4
1418382_at	494504 adenomatous polyposis coli down-regulated 1	-4.4
1436756_x_at	15107 L-3-hydroxyacyl-Coenzyme A dehydrogenase, short chain	-4.3
1428256_at	69672 RIKEN cDNA 2310047H23 gene	-4.3
1418501_a_at	170719 oxidation resistance 1	-4.3
1438542_at		-4.3
1417178_at	54120 GIPC PDZ domain containing family, member 2	-4.3
1452213_at	21763 testis expressed gene 2	-4.3
1428707_at	69202 RIKEN cDNA 2610009E16 gene	-4.3
1452330_a_at	74761 matrix-remodelling associated 8	-4.3

1460216_at	11409 acyl-Coenzyme A dehydrogenase, short chain	-4.3
1416860_s_at	26356 inhibitor of growth family, member 1	-4.3
1419821_s_at	15926 isocitrate dehydrogenase 1 (NADP+), soluble	-4.3
1437165_a_at	18542 procollagen C-proteinase enhancer protein	-4.3
1431183_at	73467 RIKEN cDNA 1700066M21 gene	-4.3
1433779_at	319996 cancer susceptibility candidate 4	-4.3
1415718_at	50724 RIKEN cDNA 2310079P12 gene	-4.3
1424140_at	74246 galactose-4-epimerase, UDP	-4.3
1424828_a_at	14194 fumarate hydratase 1	-4.3
1428393_at	68404 neuritin 1	-4.2
1428738_a_at	66039 DNA segment, Chr 14, ERATO Doi 449, expressed	-4.2
1437308_s_at	14062 coagulation factor II (thrombin) receptor	-4.2
1433536_at	237253 low density lipoprotein receptor-related protein 11	-4.2
1449056_at	243780 RIKEN cDNA E330009J07 gene	-4.2
1451172_at	67808 RIKEN cDNA 1200015A19 gene	-4.2
1418817_at	67064 chromatin modifying protein 1B	-4.2
1449901_a_at	53608 mitogen-activated protein kinase kinase kinase 6	-4.2
1416364_at	15516 heat shock protein 1, beta	-4.2
1417662_at	13713 ELK3, member of ETS oncogene family	-4.1
1427129_a_at	74326 heterogeneous nuclear ribonucleoprotein R	-4.1
1434987_at	11669 aldehyde dehydrogenase 2, mitochondrial	-4.1
1417893_at	94280 sideroflexin 3	-4.1
1448559_at	14251 flotillin 1	-4.1
1424542_at	20198 S100 calcium binding protein A4	-4.1
1448211_at	76252 ATPase, H+ transporting, lysosomal, V0 subunit E isoform 2	-4.1
1433789_at	399101 RNA, U17d small nucleolar	-4.1
1417185_at	110454 lymphocyte antigen 6 complex, locus A	-4.1
1424616_s_at		-4.1
1428405_at	353502 host cell factor C1 regulator 1 (XPO1-dependent)	-4.1
1433702_at	226090 DNA segment, Chr 19, Wayne State University 12, expressed	-4.1
1421340_at	26408 mitogen activated protein kinase kinase kinase 5	-4.1
1425173_s_at	229593 golgi phosphoprotein 3-like	-4.1
1443099_at	432940 Similar to LOC90268 protein	-4.1
1416453_x_at	20042 /// ribosomal protein S12 /// similar to ribosomal protein S12	-4.0
	546370	
1416817_at	59125 NIMA (never in mitosis gene a)-related expressed kinase 7	-4.0
1416166_a_at	53381 peroxiredoxin 4	-4.0
1422407_s_at	15461 Harvey rat sarcoma virus oncogene 1	-4.0
1455031_at		-4.0
1452968_at	68588 collagen triple helix repeat containing 1	-4.0
1416340_a_at	17159 mannosidase 2, alpha B1	-4.0
1436316_at	109249 RIKEN cDNA 9430029L20 gene	-4.0
1434825_at	381742 similar to CAGL79	-4.0
1427027_a_at	66596 general transcription factor III A	-4.0
1428218_a_at	67912 RIKEN cDNA 1600012H06 gene	-3.9
1416375_at	544716 /// adaptor-related protein complex 3, mu 1 subunit /// similar to clathrin adaptor protein mu3A	-3.9
	55946	
1422752_at	67005 polymerase (RNA) III (DNA directed) polypeptide K	-3.9
1423940_at	68090 Yip1 interacting factor homolog (S. cerevisiae)	-3.9
1426621_a_at	72930 protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), beta isoform	-3.9
1438055_at	109222 retinoic acid receptor responder (tazarotene induced) 1	-3.9
1426778_at	13138 dystroglycan 1	-3.9
1428795_at	76306 RIKEN cDNA 1110021L09 gene	-3.9
1417083_at	66212 Sec61 beta subunit	-3.9
1452098_at	214901 CTF18, chromosome transmission fidelity factor 18 homolog (S. cerevisiae)	-3.9
1415733_a_at	68512 RIKEN cDNA 1110019J04 gene	-3.9
1416200_at	77125 RIKEN cDNA 9230117N10 gene	-3.9
1416778_at	20324 serum deprivation response	-3.9
1420641_a_at	59010 sulfide quinone reductase-like (yeast)	-3.9
1433504_at	110078 brain glycogen phosphorylase	-3.9
1418072_at	68024 histone 1, H2bc	-3.9
1420498_a_at	13132 disabled homolog 2 (Drosophila)	-3.9
1426971_at	74153 ubiquitin-activating enzyme E1-like	-3.9
1433655_at		-3.9
1429390_at	235534 acid phosphatase-like 2	-3.9
1424118_a_at	66442 spindle pole body component 25 homolog (S. cerevisiae)	-3.9
1435982_at	100226 syntaxin 12	-3.9
1456878_at	192734 expressed sequence AI646023	-3.9
1422906_at	26357 ATP-binding cassette, sub-family G (WHITE), member 2	-3.9
1448491_at	51798 enoyl coenzyme A hydratase 1, peroxisomal	-3.9
1428416_at	67306 RIKEN cDNA 3110050N22 gene	-3.9
1428821_at	67512 1-acylglycerol-3-phosphate O-acyltransferase 2 (lysophosphatidic acid acyltransferase, beta)	-3.9

1416497_at	12304 protein disulfide isomerase associated 4	-3.8
1451573_a_at	20909 syntaxin 4A (placental)	-3.8
1440559_at	15365 high mobility group AT-hook 2, pseudogene 1	-3.8
1416000_a_at	18477 peroxiredoxin 1	-3.8
1452374_at	218100 zinc finger protein 322a	-3.8
1416066_at	12527 CD9 antigen	-3.8
1420416_at	20346 sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3A	-3.8
1456603_at	76566 RIKEN cDNA 1500005K14 gene	-3.8
1423364_a_at	14339 fused toes	-3.8
1424696_at	67549 G protein-coupled receptor 89	-3.8
1452861_at	72097 RIKEN cDNA 2010300C02 gene	-3.8
1452887_at	74019 TNF receptor-associated factor 3 interacting protein 1	-3.8
1435413_x_at	545536 /// RIKEN cDNA 2700060E02 gene /// similar to RIKEN cDNA 2700060E02	-3.8
	68045	
1435450_at	70568 copine III	-3.8
1453307_a_at	59008 anaphase-promoting complex subunit 5	-3.8
1433626_at	235527 phospholipid scramblase 4	-3.8
1421821_at	16835 low density lipoprotein receptor	-3.8
1450886_at	14841 germ cell-specific gene 2	-3.8
1432494_a_at	76411 RIKEN cDNA 1700019E19 gene	-3.8
1428411_at	66602 RIKEN cDNA 1700020I14 gene	-3.7
1416158_at	11819 nuclear receptor subfamily 2, group F, member 2	-3.7
1448380_at	19039 lectin, galactoside-binding, soluble, 3 binding protein	-3.7
1435649_at	68810 nexilin	-3.7
1447483_s_at	72091 RIKEN cDNA 2610002F03 gene	-3.7
1416946_a_at	113868 /// acetyl-Coenzyme A acyltransferase 1 /// 3-ketoacyl-CoA thiolase B	-3.7
	235674	
1417147_at	56279 RIKEN cDNA B230317C12 gene	-3.7
1448238_at	68045 RIKEN cDNA 2700060E02 gene	-3.7
1435323_a_at	218121 O-acyltransferase (membrane bound) domain containing 1	-3.7
1438118_x_at	22352 vimentin	-3.7
1432202_a_at	70235 WD repeat domain 51A	-3.7
1423723_s_at	230908 TAR DNA binding protein	-3.7
1423121_at	15925 insulin degrading enzyme	-3.7
1428322_a_at	68342 NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 10	-3.7
1435464_at	68552 RIKEN cDNA 1110003E01 gene	-3.7
1437290_at	242291 RIKEN cDNA 1110001C20 gene	-3.6
1454658_at	216136 ilvB (bacterial acetolactate synthase)-like	-3.6
1418318_at	66889 ring finger protein 128	-3.6
1436121_a_at	67711 non-SMC element 1 homolog (S. cerevisiae)	-3.6
1417777_at	67103 leukotriene B4 12-hydroxydehydrogenase	-3.6
1423463_a_at	51944 DNA segment, Chr 2, ERATO Doi 750, expressed	-3.6
1424438_a_at	230514 leptin receptor overlapping transcript	-3.6
1460603_at	209086 sterile alpha motif domain containing 9-like	-3.6
1417913_at	109145 RIKEN cDNA 2810037C03 gene	-3.6
1460214_at	18546 Purkinje cell protein 4	-3.6
1424786_s_at	54636 WD repeat domain 45	-3.5
1437829_s_at	13631 eukaryotic elongation factor-2 kinase	-3.5
1426269_at	20955 synaptobrevin like 1	-3.5
1435617_at	106606 expressed sequence AI480743	-3.5
1416988_at	17685 mutS homolog 2 (E. coli)	-3.5
1434312_at	104877 expressed sequence AI788669	-3.5
1428065_at	68682 RIKEN cDNA 1110028E10 gene	-3.5
1434549_at	53869 RAB11a, member RAS oncogene family	-3.5
1435666_at	234385 microtubule associated serine/threonine kinase 3	-3.5
1450862_at	19366 RAD54 like (S. cerevisiae)	-3.5
1422603_at	58809 ribonuclease, RNase A family 4	-3.5
1423370_a_at	103236 casein kinase 1, gamma 2	-3.5
1434891_at	19221 prostaglandin F2 receptor negative regulator	-3.5
1452919_a_at	67078 RIKEN cDNA 1700012G19 gene	-3.5
1422432_at	13167 diazepam binding inhibitor	-3.5
1423864_at	192292 nuclear receptor binding protein	-3.5
1417985_at	67122 Notch-regulated ankyrin repeat protein	-3.4
1424106_at	104771 RIKEN cDNA 1200003C05 gene	-3.4
1421819_a_at	56086 SET translocation	-3.4
1426306_a_at	80884 melanoma antigen, family D, 2	-3.4
1460674_at	71904 progesterin and adipoQ receptor family member VII	-3.4
1451356_at	66471 acidic (leucine-rich) nuclear phosphoprotein 32 family, member E	-3.4
1452346_at	108902 UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 6	-3.4
1423591_at	67529 FGFR1 oncogene partner 2	-3.4
1454893_at	68521 RIKEN cDNA 1110013L07 gene	-3.4
1416032_at	68539 RIKEN cDNA 1110006I15 gene	-3.4

1416759_at	171580 microtubule associated monooxygenase, calponin and LIM domain containing 1	-3.4
1423717_at	56248 adenylate kinase 3	-3.4
1416372_at	19210 phosphatidylserine synthase 1	-3.4
1416667_at	13595 phenylalkylamine Ca ²⁺ antagonist (emopamil) binding protein	-3.4
1448592_at	56693 cartilage associated protein	-3.4
1460718_s_at	56462 mitochondrial carrier homolog 1 (C. elegans)	-3.4
1417450_a_at	21335 transforming, acidic coiled-coil containing protein 3	-3.4
1452754_at	76737 RIKEN cDNA 5730592L21 gene	-3.4
1421935_at	67427 ribosomal protein S20	-3.3
1423151_at	67838 DnaJ (Hsp40) homolog, subfamily B, member 11	-3.3
1438429_at	72505 RIKEN cDNA 2610319H10 gene	-3.3
1415753_at	216169 DNA segment, Chr 10, Brigham & Women's Genetics 1364 expressed	-3.3
1423119_at	66832 radial spokehead-like 2	-3.3
1428718_at	69938 secernin 1	-3.3
1419582_at	72082 cytochrome P450, family 2, subfamily c, polypeptide 55	-3.3
1434554_at	68729 tripartite motif protein 37	-3.3
1457588_at	97124 expressed sequence C76213	-3.3
1429063_s_at	16558 kinesin family member 16B	-3.3
1442540_at	96961 expressed sequence C77609	-3.3
1448919_at	66205 CD302 antigen	-3.3
1429189_at	71784 RIKEN cDNA 1110007C02 gene	-3.3
1418496_at	15375 forkhead box A1	-3.3
1449348_at	56524 membrane protein, palmitoylated 6 (MAGUK p55 subfamily member 6)	-3.3
1423334_at	67458 RIKEN cDNA 1200007D18 gene	-3.3
1415864_at	12183 2,3-bisphosphoglycerate mutase	-3.3
1423218_a_at	18120 mitochondrial ribosomal protein L49	-3.3
1428351_at	67905 protein phosphatase 1M	-3.3
1448705_at	81630 zinc finger protein 297	-3.3
1448960_at	67393 CXXC finger 5	-3.3
1421871_at	56726 SH3-binding domain glutamic acid-rich protein like	-3.3
1426880_at	208618 cDNA sequence BC026657	-3.3
1415855_at	17311 kit ligand	-3.2
1424813_at	105428 /// expressed sequence AA536717 /// hypothetical protein LOC218805	-3.2
	218805	
1455685_at	330631 hypothetical protein 9530064J02	-3.2
1419360_a_at	268996 synovial sarcoma translocation, Chromosome 18	-3.2
1422502_at	11545 poly (ADP-ribose) polymerase family, member 1	-3.2
1455058_at	210376 myotubularin related protein 9	-3.2
1448956_at	56018 START domain containing 10	-3.2
1428636_at	74051 six transmembrane epithelial antigen of prostate 2	-3.2
1427346_at	18422 /// ovary testis transcribed /// similar to Ott protein	-3.2
	382243	
1435802_at	232879 gene model 157, (NCBI)	-3.2
1455562_at	20667 SRY-box containing gene 12	-3.2
1428694_at	75957 RIKEN cDNA 5033413D16 gene	-3.2
1422438_at	13849 epoxide hydrolase 1, microsomal	-3.2
1415727_at	246703 apolipoprotein A-I binding protein	-3.2
1423319_at	15242 hematopoietically expressed homeobox	-3.2
1426246_at	19128 protein S (alpha)	-3.2
1426387_x_at	236604 /// RIKEN cDNA 4933439C20 gene /// phosphatidylserine decarboxylase	-3.2
	320951	
1428431_at	71918 RIKEN cDNA 2310047A01 gene	-3.2
1416041_at	20393 serum/glucocorticoid regulated kinase	-3.2
1419259_at	20163 Ras suppressor protein 1	-3.2
1452680_at	107686 small nuclear ribonucleoprotein D2	-3.2
1423767_at	66310 RIKEN cDNA 2810410M20 gene	-3.2
1426253_at	66768 RIKEN cDNA 4933428G09 gene	-3.2
1424394_at	114679 selenoprotein M	-3.2
1426628_at	234463 transmembrane protein 34	-3.2
1434027_at	53902 Down syndrome critical region gene 1-like 2	-3.2
1428382_at	68094 SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 2	-3.2
1429458_at	67383 RIKEN cDNA 2410127L17 gene	-3.2
1439050_at	99692 expressed sequence AI649393	-3.2
1415812_at	227753 gelsolin	-3.2
1416269_at	57423 ATP synthase, H ⁺ transporting, mitochondrial F0 complex, subunit f, isoform 2	-3.2
1420696_at	20348 sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C	-3.2
1421832_at	65960 twisted gastrulation homolog 1 (Drosophila)	-3.2
1427074_at	245867 RIKEN cDNA 5330414D10 gene	-3.2
1452654_at	70546 zinc finger, DHHC domain containing 2	-3.2
1420668_a_at	74766 Yip1 domain family, member 2	-3.1
1426571_at	101772 transmembrane protein 16A	-3.1

1451277_at	225791 zinc binding alcohol dehydrogenase, domain containing 2	-3.1
1434365_a_at	381306 similar to hypothetical protein FLJ10706	-3.1
1417090_at	19672 reticulocalbin 1	-3.1
1418839_at	170823 glomulin, FKBP associated protein	-3.1
1421534_at		-3.1
1426710_at	12315 calmodulin 3	-3.1
1426716_at	100121 tudor domain containing 7	-3.1
1416967_at	20674 SRY-box containing gene 2	-3.1
1424707_at	68581 RIKEN cDNA 1110014C03 gene	-3.1
1417027_at	80890 tripartite motif protein 2	-3.1
1417311_at	68337 cysteine rich protein 2	-3.1
1424782_at	67171 RIKEN cDNA 2610318G18 gene	-3.1
1433954_at	74038 RIKEN cDNA 4632419I22 gene	-3.1
1420810_at	56398 RIKEN cDNA 1500003O03 gene	-3.1
1432264_x_at	20463 cytochrome c oxidase subunit VIIa polypeptide 2-like	-3.1
1416258_at	21877 thymidine kinase 1	-3.1
1416288_at	15502 DnaJ (Hsp40) homolog, subfamily A, member 1	-3.1
1416607_at	70984 RIKEN cDNA 4931406C07 gene	-3.1
1416803_at	14231 FK506 binding protein 7	-3.1
1426098_a_at	12380 calpastatin	-3.1
1428573_at	69993 chimerin (chimaerin) 2	-3.1
1449481_at	50799 solute carrier family 25 (mitochondrial carrier, adenine nucleotide translocator), member 13	-3.1
1423650_at	545856 similar to Rnf26 protein	-3.1
1438948_x_at	12257 benzodiazepine receptor, peripheral	-3.1
1451103_at	219072 DNA segment, Chr 14, ERATO Doi 500, expressed	-3.1
1459274_at	Transcribed locus	-3.1
1416412_at	18201 neutral sphingomyelinase (N-SMase) activation associated factor	-3.1
1422271_at	19065 pancreatic polypeptide receptor 1	-3.1
1441272_at	17184 Matrin 3	-3.1
1430053_a_at	67059 RIKEN cDNA 2810409H07 gene	-3.1
1449151_at	18557 PCTAIRE-motif protein kinase 3	-3.1
1448279_at	56378 actin related protein 2/3 complex, subunit 3	-3.0
1434696_at	245866 cDNA sequence BC037708	-3.0
1437403_at	320825 RIKEN cDNA E130306M17 gene	-3.0
1421654_a_at	16905 lamin A	-3.0
1422465_a_at	18230 nucleoredoxin	-3.0
1422516_a_at	58249 fibroblast growth factor (acidic) intracellular binding protein	-3.0
1428604_at	112422 RIKEN cDNA 2610305D13 gene	-3.0
1419552_at	52665 enoyl Coenzyme A hydratase domain containing 1	-3.0
1423071_x_at	68157 RIKEN cDNA 6720475J19 gene	-3.0
1437632_at	Transcribed locus	-3.0
1423804_a_at	319554 isopentenyl-diphosphate delta isomerase	-3.0
1428407_at	544935 /// heterogeneous nuclear ribonucleoprotein A0 /// similar to heterogeneous nuclear ribonucleoprotein	-3.0
	77134 A0	
1433819_s_at	28169 1-acylglycerol-3-phosphate O-acyltransferase 3	-3.0
1418672_at	27384 aldo-keto reductase family 1, member C13	-3.0
1423300_at	66980 zinc finger, DHHC domain containing 6	-3.0
1423790_at	223453 death-associated protein	-3.0
1419164_at	26466 zinc finger protein 260	-3.0
1415756_a_at	20615 SNAP-associated protein	-3.0
1416101_a_at	50708 histone 1, H1c	-3.0
1424198_at	71228 discs, large homolog 5 (Drosophila)	-3.0
1434386_at	235574 ATPase, Ca ⁺⁺ -sequestering	-3.0
1435384_at	93765 ubiquitin-conjugating enzyme E2N	-3.0
1419635_at	67392 RIKEN cDNA 4833420G17 gene	-3.0
1417114_at	23885 germ cell-less homolog (Drosophila)	-2.9
1417430_at	12585 cerebellar degeneration-related 2	-2.9
1430012_at	68790 RIKEN cDNA 1110050K14 gene	-2.9
1416137_at	11750 annexin A7	-2.9
1418737_at	66401 nudix (nucleoside diphosphate linked moiety X)-type motif 2	-2.9
1419031_at	56473 fatty acid desaturase 2	-2.9
1456077_x_at		-2.9
1427094_at	18974 polymerase (DNA directed), epsilon 2 (p59 subunit)	-2.9
1436448_a_at	19224 prostaglandin-endoperoxide synthase 1	-2.9
1438610_a_at	12972 Crystallin, zeta	-2.9
1448286_at	15108 hydroxyacyl-Coenzyme A dehydrogenase type II	-2.9
1460676_at	74158 RIKEN cDNA 1300006C06 gene	-2.9
1417272_at	68303 RIKEN cDNA 9130005N14 gene	-2.9
1425323_a_at	214917 cDNA sequence BC008155	-2.9
1428580_at	109778 biliverdin reductase A	-2.9
1416068_at	85305 lysyl-tRNA synthetase	-2.9
1423960_at	14792 gene rich cluster, C3f gene	-2.9

1428853_at	19206 patched homolog 1	-2.9
1434705_at	13017 C-terminal binding protein 2	-2.9
1435870_at	20962 Synaptonemal complex protein 3	-2.9
1448810_at	50798 glucosamine	-2.9
1417203_at	66071 ethylmalonic encephalopathy 1	-2.9
1418327_at	68002 RIKEN cDNA 1110058L19 gene	-2.9
1426160_a_at	20872 serine/threonine kinase 16	-2.9
1417373_a_at	22145 tubulin, alpha 4	-2.9
1424160_at	66248 asparagine-linked glycosylation 5 homolog (yeast, dolichyl-phosphate beta-glucosyltransferase)	-2.9
1424829_at	227612 RIKEN cDNA A830007P12 gene	-2.9
1455288_at	66180 RIKEN cDNA 1110036O03 gene	-2.9
1431322_at	78908 immunoglobulin superfamily, member 3	-2.9
1424884_at	30050 F-box and WD-40 domain protein 2	-2.9
1420873_at	19230 protein tyrosine kinase 9	-2.8
1435524_at	69895 RIKEN cDNA 2010109N14 gene	-2.8
1450105_at		-2.8
1436518_at	69727 ubiquitin specific protease 46	-2.8
1416657_at	11651 thymoma viral proto-oncogene 1	-2.8
1422000_at	27383 aldo-keto reductase family 1, member C12	-2.8
1416882_at	67865 regulator of G-protein signalling 10	-2.8
1420365_a_at	53379 heterogeneous nuclear ribonucleoprotein A2/B1	-2.8
1451726_at	219135 myotubularin related protein 6	-2.8
1428180_at	75620 RIKEN cDNA 2810422J05 gene	-2.8
1415719_s_at	74252 armadillo repeat containing 1	-2.8
1450355_a_at	12332 capping protein (actin filament), gelsolin-like	-2.8
1447819_x_at		-2.8
1416109_at	71665 fucosidase, alpha-L- 1, tissue	-2.8
1423423_at	14827 protein disulfide isomerase associated 3	-2.8
1423394_at	66881 prenylcysteine oxidase 1	-2.8
1418906_at	26425 nucleotide binding protein 1	-2.8
1423347_at	20334 SEC23A (S. cerevisiae)	-2.8
1418031_at	17925 myosin IXb	-2.8
1426760_at	320727 importin 8	-2.8
1449163_at	24058 expressed sequence AI256711	-2.8
1434828_at	329739 RIKEN cDNA B430201A12 gene	-2.8
1423706_a_at	110208 phosphogluconate dehydrogenase	-2.8
1454753_at	108657 arginyl aminopeptidase (aminopeptidase B)-like 1	-2.8
1433542_at	101490 inositol polyphosphate-5-phosphatase F	-2.8
1436019_a_at	245828 trafficking protein particle complex 1	-2.7
1451602_at	72183 sorting nexin 6	-2.7
1433735_a_at	100201 RIKEN cDNA 9630015D15 gene	-2.7
1415943_at	20969 syndecan 1	-2.7
1417445_at	67052 kinetochore associated 2	-2.7
1418818_at	11830 aquaporin 5	-2.7
1420628_at	19290 /// purine rich element binding protein A /// RIKEN cDNA 6330411E07 gene	-2.7
	70733	
1460319_at	53618 fucosyltransferase 8	-2.7
1415796_at	23994 DAZ associated protein 2	-2.7
1416431_at	67951 tubulin, beta 6	-2.7
1421997_s_at	16400 integrin alpha 3	-2.7
1452592_at	211666 microsomal glutathione S-transferase 2	-2.7
1416135_at	11792 apurinic/aprimidinic endonuclease 1	-2.7
1424906_at	217430 RIKEN cDNA E030024M05 gene	-2.7
1430656_a_at	70396 RIKEN cDNA 2210409M21 gene	-2.7
1452367_at	107684 coronin, actin binding protein 2A	-2.7
1428408_a_at	52635 DNA segment, Chr 12, ERATO Doi 551, expressed	-2.7
1436534_at	20822 Sjogren syndrome antigen A2	-2.7
1416908_s_at	22099 translin	-2.7
1418296_at	18301 FXD domain-containing ion transport regulator 5	-2.7
1419027_s_at	56356 glycolipid transfer protein	-2.7
1420427_a_at	101437 DEAH (Asp-Glu-Ala-His) box polypeptide 32	-2.7
1436716_at	Transcribed locus, strongly similar to XP_370630.2 PREDICTED: protein phosphatase 1, regulatory (inhibitor) subunit 14B [Homo sapiens]	-2.7
1426682_at	104625 CCR4-NOT transcription complex, subunit 6	-2.7
1433620_at		-2.7
1416468_at	11668 aldehyde dehydrogenase family 1, subfamily A1	-2.7
1427447_a_at	110253 TRIO and F-actin binding protein	-2.7
1416529_at	13730 epithelial membrane protein 1	-2.7
1417825_at	13885 esterase D/formylglutathione hydrolase	-2.7
1418532_at	57265 frizzled homolog 2 (Drosophila)	-2.6
1423599_a_at	67466 phosducin-like	-2.6

1424895_at	76123 G-protein signalling modulator 2 (AGS3-like, <i>C. elegans</i>)	-2.6
1426434_at	74122 transmembrane protein 43	-2.6
1429456_a_at	26939 polymerase (RNA) III (DNA directed) polypeptide E	-2.6
1433951_at	75423 ADP-ribosylation factor-like 5	-2.6
1450981_at	12798 calponin 2	-2.6
1460737_at	18518 immunoglobulin (CD79A) binding protein 1	-2.6
1417245_at	58245 RIKEN cDNA E130016I23 gene	-2.6
1417633_at	20657 superoxide dismutase 3, extracellular	-2.6
1421313_s_at	13043 cortactin	-2.6
1450431_a_at	17999 neural precursor cell expressed, developmentally down-regulted gene 4	-2.6
1420930_s_at	54366 catenin (cadherin associated protein), alpha-like 1	-2.6
1423130_a_at	20384 splicing factor, arginine/serine-rich 5 (SRp40, HRS)	-2.6
1449145_a_at	12389 caveolin, caveolae protein 1	-2.6
1424005_at	78521 RIKEN cDNA B230219D22 gene	-2.6
1428608_at	67938 myosin light chain, regulatory B	-2.6
1448647_at	17158 mannosidase 2, alpha 1	-2.6
1448894_at	14187 aldo-keto reductase family 1, member B8	-2.6
1435083_at	330695 cortixin	-2.6
1439965_at	Transcribed locus	-2.6
1415964_at	20249 stearoyl-Coenzyme A desaturase 1	-2.6
1430533_a_at	12387 catenin (cadherin associated protein), beta 1, 88kDa	-2.6
1435076_at	116972 RIKEN cDNA 2310047D13 gene	-2.6
1424562_a_at	11739 solute carrier family 25 (mitochondrial carrier, adenine nucleotide translocator), member 4	-2.6
1451066_at	77582 leukocyte receptor cluster (LRC) member 4	-2.6
1416407_at	18611 phosphoprotein enriched in astrocytes 15	-2.6
1418671_at	12337 calpain 5	-2.6
1423570_at	11307 ATP-binding cassette, sub-family G (WHITE), member 1	-2.6
1418704_at	20196 S100 calcium binding protein A13	-2.6
1426774_at	243771 poly (ADP-ribose) polymerase family, member 12	-2.6
1426848_at	99683 SEC24 related gene family, member B (<i>S. cerevisiae</i>)	-2.6
1428270_at	76485 glycosyltransferase 8 domain containing 1	-2.6
1447754_x_at	67026 THAP domain containing 4	-2.6
1418066_at	12632 cofilin 2, muscle	-2.6
1423567_a_at	26444 proteasome (prosome, macropain) subunit, alpha type 7	-2.6
1450409_a_at	67739 RIKEN cDNA 4930570C03 gene	-2.6
1451175_at	76687 signal peptidase complex subunit 3 homolog (<i>S. cerevisiae</i>)	-2.6
1452111_at	232536 mitochondrial ribosomal protein S35	-2.6
1418996_a_at	67636 RIKEN cDNA 4930469P12 gene	-2.6
1452147_at	218811 SEC24 related gene family, member C (<i>S. cerevisiae</i>)	-2.6
1428140_at	67041 3-oxoacid CoA transferase 1	-2.5
1455538_at	109169 RIKEN cDNA 6330403M23 gene	-2.5
1451218_at	192193 ER degradation enhancer, mannosidase alpha-like 1	-2.5
1427990_at	77593 ubiquitin specific protease 45	-2.5
1434748_at	80986 cytoskeleton associated protein 2	-2.5
1416503_at	17035 latexin	-2.5
1417911_at	12428 cyclin A2	-2.5
1421876_at	26420 mitogen activated protein kinase 9	-2.5
1423701_at	71743 Coenzyme A synthase	-2.5
1424186_at	67896 RIKEN cDNA 2610001E17 gene	-2.5
1433530_at	70164 RIKEN cDNA 2210411K19 gene	-2.5
1423746_at	105245 thioredoxin domain containing 5	-2.5
1425542_a_at	26931 protein phosphatase 2, regulatory subunit B (B56), gamma isoform	-2.5
1445626_at	16854 Lectin, galactose binding, soluble 3	-2.5
1415906_at	19241 thymosin, beta 4, X chromosome	-2.5
1417470_at	80287 apolipoprotein B editing complex 3	-2.5
1428325_at	66455 RIKEN cDNA 2610019P18 gene	-2.5
1417378_at		-2.5
1423680_at	76267 fatty acid desaturase 1	-2.5
1416260_a_at	56440 sorting nexin 1	-2.4
1437133_x_at	11677 /// aldo-keto reductase family 1, member B3 (aldose reductase) /// similar to Aldo-keto reductase family 432549 1, member B3 (aldose reductase)	-2.4
1439790_at	Transcribed locus	-2.4
1420835_at	67554 solute carrier family 25, member 30	-2.4
1451015_at	21881 transketolase	-2.4
1417399_at	14456 growth arrest specific 6	-2.4
1429053_at	68617 RIKEN cDNA 1110012J17 gene	-2.4
1423097_s_at	12339 calpain 7	-2.3
1427296_at	218236 cDNA sequence BC010304	-2.3
1417161_at	52004 CDK2-associated protein 2	-2.3
1451176_at	228607 RIKEN cDNA D430028G21 gene	-2.3
1424661_at	66865 peptidase (mitochondrial processing) alpha	-2.3
1433481_at	231997 FK506 binding protein 14	-2.3

1416209_at	14661 glutamate dehydrogenase 1	-2.3
1417376_a_at	54725 immunoglobulin superfamily, member 4A	-2.2
1452942_at	74868 RIKEN cDNA 4930438D12 gene	-2.2
1416091_at	17758 microtubule-associated protein 4	-2.2
1423675_at	230484 ubiquitin specific protease 1	-2.1
1433645_at	70174 RIKEN cDNA 2210409B22 gene	-2.1