

Table 8. mGEP transcripts differentially expressed after Kx1 but not Kx2 infection (Kx1-specific mGEP transcripts).

Upregulated transcripts			
Affymetrix probe set ID	Gene ID	Gene description	Fold change compared to uninfected mGEPs
1420515_a_at	57757	peptidoglycan recognition protein 2	81.0
1441150_x_at		Transcribed locus	43.2
1427381_at	16365	immunoresponsive gene 1	39.5
1421682_a_at	21647	t-complex-associated testis expressed 3	37.1
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
1420057_at	107817	Phosphatidyserine receptor	22.8
1419241_a_at	11634	autoimmune regulator (autoimmune polyendocrinopathy candidiasis ectodermal dystrophy)	19.2
1427410_at	328425	deleted in lymphocytic leukemia, 2	18.9
1452418_at	319202	RIKEN cDNA 1200016E24 gene	17.9
1457135_at	245827	fat tumor suppressor homolog 2 (Drosophila)	17.7
1434774_at	217344	rhomboid, veinlet-like 6 (Drosophila)	15.6
1434582_at	238988	DNA segment, Chr 14, ERATO Doi 171, expressed	15.3
1420958_at			15.0
1432466_a_at	11816	apolipoprotein E	14.1
1450430_at	17533	mannose receptor, C type 1	11.9
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
1418536_at	386462	similar to MHC Q8/9d surface antigen	10.8
1417812_a_at	16780	laminin, beta 3	10.3
1455965_at			10.1
1455010_at	68949	RIKEN cDNA 1500012F01 gene	9.7
1428365_a_at	74142	protease, serine, 15	9.4
1416920_at	19653	RNA binding motif protein 4	8.3
1428306_at	74747	DNA-damage-inducible transcript 4	8.2
1424490_at	232969	RIKEN cDNA 2410005H09 gene	8.2
1440143_at	239827	RIKEN cDNA F630022B06 gene	8.2
1452684_at	67605	AKT1 substrate 1 (proline-rich)	8.2
1438148_at	330122	gene model 1960, (NCBI)	8.1
1415899_at	16477	Jun-B oncogene	8.0
1453429_at	78672	RIKEN cDNA 9530057J20 gene	7.9
1452198_at	30841	F-box and leucine-rich repeat protein 10	7.8
1432059_x_at	75977	RIKEN cDNA 5031425E22 gene	7.4
1419682_a_at	381406	/// TP53 regulating kinase /// similar to mNori-2p	7.4
	76367		
1422470_at	12176	BCL2/adenovirus E1B 19kDa-interacting protein 1, NIP3	7.3
1420450_at	17384	matrix metalloproteinase 10	7.2
1421001_a_at	12353	carbonic anhydrase 6	7.1
1432001_at	74843	zinc finger, MYND domain containing 17	7.1
1418465_at	17972	neutrophil cytosolic factor 4	6.9
1452595_at	240913	a disintegrin-like and metalloprotease (repolysin type) with thrombospondin type 1 motif, 4	6.7
1449473_s_at	21939	tumor necrosis factor receptor superfamily, member 5	6.6
1431965_at	71067	RIKEN cDNA 4933411E08 gene	6.6
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
1429726_at	66859	solute carrier family 16 (monocarboxylic acid transporters), member 9	6.1
1434372_at			6.1
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
1444086_at	210356	RIKEN cDNA E030049G20 gene	6.0
1447494_at	52819	DNA segment, Chr 7, Brigham & Women's Genetics 0826 expressed	5.9
1427987_at	224902	scaffold attachment factor B2	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

1424382_at	52377 reticulocalbin 3, EF-hand calcium binding domain	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
1425614_x_at	14964 histocompatibility 2, D region locus 1	5.7
1435976_at		5.7
1426990_at	65969 cubilin (intrinsic factor-cobalamin receptor)	5.6
1427047_at	227699 nucleoporin 188	5.6
1429445_at	70894 RIKEN cDNA 4921510J17 gene	5.6
1417713_at	67204 eukaryotic translation initiation factor 2, subunit 2 (beta)	5.6
1422035_at	20707 serine (or cysteine) proteinase inhibitor, clade B, member 9c	5.5
1428492_at	384009 GLI pathogenesis-related 2	5.4
1417149_at	18452 procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha II polypeptide	5.4
1419450_at	66612 ORM1-like 3 (S. cerevisiae)	5.3
1419399_at	17777 microsomal triglyceride transfer protein	5.2
1421446_at	18752 protein kinase C, gamma	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
1426700_a_at	103135 ubiquitin specific protease 52	5.1
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
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
1449891_a_at	73379 discoidin, CUB and LCCL domain containing 2	4.9
1418808_at	19682 retinol dehydrogenase 5	4.8
1427691_a_at	15976 interferon (alpha and beta) receptor 2	4.8
1435499_at	270035 RIKEN cDNA D030041N04 gene	4.8
1450922_a_at	21808 transforming growth factor, beta 2	4.7
1430762_at	235345 RIKEN cDNA 4833427G06 gene	4.7
1455394_at		4.7
1427079_at	100732 microtubule-associated protein, RP/EB family, member 3	4.7
1455765_a_at	20927 ATP-binding cassette, sub-family C (CFTR/MRP), member 8	4.6
1418131_at	56045 SAM domain and HD domain, 1	4.6
1450100_a_at	56070 transcription elongation regulator 1 (CA150)	4.5
1422945_a_at	16574 kinesin family member 5C	4.5
1440686_at	213171 protease, serine 27	4.5
1420772_a_at	14605 TSC22 domain family 3	4.4
1454928_at	224903 scaffold attachment factor B	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
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
1425047_a_at	70873 RIKEN cDNA 4921517L17 gene	4.3
1453345_at	70701 RIKEN cDNA 3830408G10 gene	4.3
1423944_at	15458 hemopexin	4.3
1418777_at	20300 chemokine (C-C motif) ligand 25	4.3
1421365_at	14313 follistatin	4.2
1447802_x_at		4.2
1459681_at	Transcribed locus	4.2
1448562_at	22271 uridine phosphorylase 1	4.1
1428468_at	73205 RIKEN cDNA 3110043O21 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
1424148_a_at	106766 expressed sequence AW049765	4.0
1418863_at	14463 GATA binding protein 4	4.0
1427736_a_at	54199 chemokine (C-C motif) receptor-like 2	3.9
1427385_s_at	109711 actinin, alpha 1	3.9
1416831_at	18010 neuraminidase 1	3.9
1449946_a_at	68040 RIKEN cDNA 3110024A21 gene	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
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
1448806_at		3.7
1439488_at	Transcribed locus	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
1455187_at	230848 zinc finger and BTB domain containing 40	3.6
1424817_at	70997 sperm flagellar 1	3.6
1415798_at	12305 discoidin domain receptor family, member 1	3.6
1450838_x_at	383438 /// ribosomal protein L37 /// similar to ribosomal protein L37 67281	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
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
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
1429052_at	19266 protein tyrosine phosphatase, receptor type, D	3.3
1437969_s_at	68327 RIKEN cDNA 0610007P22 gene	3.3
1447661_at	Transcribed locus	3.3
1422599_s_at	20841 zinc finger protein 143	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
1417225_at	65106 ADP-ribosylation factor-like 6 interacting protein 5	3.3
1435872_at		3.2
1416290_a_at	23996 proteasome (prosome, macropain) 26S subunit, ATPase, 4	3.2
1435852_at	101809 sprouty-related, EVH1 domain containing 3	3.2
1439538_at	67433 RIKEN cDNA 0610011N22 gene	3.2
1428572_at	70350 brain abundant, membrane attached signal protein 1	3.2
1451485_at	67684 RIKEN cDNA 3300001P08 gene	3.2
1449338_at	52717 DNA segment, Chr 10, ERATO Doi 641, expressed	3.2
1446131_at		3.2
1417389_at	14733 glypican 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.CA/J(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
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
1435394_s_at	11853 ras homolog gene family, member C	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
1455096_at		3.1
1417034_at	67091 trafficking protein particle complex 6A	3.1
1423085_at	13643 ephrin B3	3.1
1418240_at	14469 guanylate nucleotide binding protein 2	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
1424380_at	330192 cDNA sequence BC026744	3.0
1418453_a_at	11931 ATPase, Na+/K+ transporting, beta 1 polypeptide	3.0
1416994_at	66827 tetratricopeptide repeat domain 1	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
1428226_at	68966 RIKEN cDNA 1500001L15 gene	3.0
1416409_at	11430 acyl-Coenzyme A oxidase 1, palmitoyl	3.0
1424150_at	233552 glycerophosphodiester phosphodiesterase domain containing 5	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
1448417_at	18081 ninjurin 1	2.9
1439780_at	66229 ribosomal protein L7-like 1	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
1418174_at	13170 D site albumin promoter binding protein	2.8
1419087_s_at	67465 splicing factor 3a, subunit 1	2.8
1416615_at	53895 caseinolytic protease, ATP-dependent, proteolytic subunit homolog (E. coli)	2.8
1434726_at	106757 RIKEN cDNA 4933402B14 gene	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
1416186_at	52830 proline-rich nuclear receptor coactivator 2	2.8
1428557_a_at	72085 O-sialoglycoprotein endopeptidase-like 1	2.8
1427009_at	16776 laminin, alpha 5	2.8
1426898_at	66513 mitogen-activated protein kinase kinase kinase 7 interacting protein 1	2.7
1436559_a_at	53380 proteasome (prosome, macropain) 26S subunit, non-ATPase, 10	2.7
1435526_at	240832 torsin A interacting protein 2	2.7
1454771_at		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
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
1451095_at	27053 asparagine synthetase	2.6
1448271_a_at	56200 DEAD (Asp-Glu-Ala-Asp) box polypeptide 21	2.6
1417240_at	22793 zyxin	2.6
1428675_at	66193 RIKEN cDNA 1110049F12 gene	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
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
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
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

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
1455887_at	381903 asparagine-linked glycosylation 8 homolog (yeast, alpha-1,3-glycosyltransferase)	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
1434931_at	18007 neogenin	2.3
1452207_at		2.3
1419569_a_at	57444 interferon-stimulated protein	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
1428083_at	66961	RIKEN cDNA 2310043N10 gene	-11.5
1436761_s_at	71721	RIKEN cDNA 1200015N20 gene	-10.9
1423894_a_at	67789	DALR anticodon binding domain containing 3	-8.2
1455878_at	70036	RIKEN cDNA 2700023E23 gene	-7.9
1429739_a_at	56218	zinc finger protein 278	-7.4
1419115_at	66789	RIKEN cDNA 5430428G01 gene	-7.3
1433683_at	77411	RIKEN cDNA 9530027K23 gene	-7.3
1424515_at	320063	RIKEN cDNA B230354K17 gene	-7.2
1428447_at	75712	transmembrane protein 14A	-7.2
1418595_at	57435	plasma membrane associated protein, S3-12	-7.1
1423667_at	232087	methionine adenosyltransferase II, alpha	-7.0
1433672_at	215201	RIKEN cDNA 4732479N06 gene	-6.2
1426350_at	217664	mannoside acetylglucosaminyltransferase 2	-6.1
1418209_a_at	18645	profilin 2	-6.0
1423672_at	72421	RIKEN cDNA 2510042P03 gene	-6.0
1415913_at	68052	ribosomal protein S13	-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
1419456_at	67880	dicarbonyl L-xylulose reductase	-5.6
1434481_at	74026	RIKEN cDNA 4121402D02 gene	-5.6
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
1438201_at		Transcribed locus	-5.4
1454060_a_at	18176	neuroblastoma ras oncogene	-5.4
1423067_at	80280	CDK5 regulatory subunit associated protein 3	-5.2
1430978_at	75617	ribosomal protein S25	-5.2
1424544_at	223649	nuclear receptor binding protein 2	-5.2
1416499_a_at	22428	dynactin 6	-5.0
1426558_x_at	66376	RIKEN cDNA 3100002L24 gene	-5.0
1427020_at	219151	scavenger receptor class A, member 3	-5.0
1450686_at	320276	/// RIKEN cDNA A130027P21 gene /// paraoxonase 2	-4.9
	330260		
1427898_at	74132	ring finger protein (C3H2C3 type) 6	-4.8
1417214_at	80718	RAB27b, member RAS oncogene family	-4.8
1436959_x_at	56876	nasal embryonic LHRH factor	-4.8
1428113_at	70551	RIKEN cDNA 4930403J22 gene	-4.7
1428428_at	68758	Williams Beuren syndrome chromosome region 21	-4.7
1449303_at	75747	sestrin 3	-4.7
1416838_at	17850	methylmalonyl-Coenzyme A mutase	-4.6
1434013_at	319713	actin binding LIM protein family, member 3	-4.6
1428512_at	70237	basic helix-loop-helix domain containing, class B9	-4.6
1425546_a_at	22041	transferrin	-4.5
1437471_at	217366	leucine rich repeat containing 45	-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
1418382_at	494504	adenomatosis 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
1452213_at	21763 testis expressed gene 2	-4.3
1419821_s_at	15926 isocitrate dehydrogenase 1 (NADP+), soluble	-4.3
1431183_at	73467 RIKEN cDNA 1700066M21 gene	-4.3
1433779_at	319996 cancer susceptibility candidate 4	-4.3
1424828_a_at	14194 fumarate hydratase 1	-4.3
1433536_at	237253 low density lipoprotein receptor-related protein 11	-4.2
1427129_a_at	74326 heterogeneous nuclear ribonucleoprotein R	-4.1
1434987_at	11669 aldehyde dehydrogenase 2, mitochondrial	-4.1
1448559_at	14251 flotillin 1	-4.1
1417185_at	110454 lymphocyte antigen 6 complex, locus A	-4.1
1421340_at	26408 mitogen activated protein kinase kinase 5	-4.1
1443099_at	432940 Similar to LOC90268 protein	-4.1
1416817_at	59125 NIMA (never in mitosis gene a)-related expressed kinase 7	-4.0
1416166_a_at	53381 peroxiredoxin 4	-4.0
1452968_at	68588 collagen triple helix repeat containing 1	-4.0
1427027_a_at	66596 general transcription factor III A	-4.0
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
1452098_at	214901 CTF18, chromosome transmission fidelity factor 18 homolog (S. cerevisiae)	-3.9
1415733_a_at	68512 RIKEN cDNA 1110019J04 gene	-3.9
1420641_a_at	59010 sulfide quinone reductase-like (yeast)	-3.9
1433655_at		-3.9
1451573_a_at	20909 syntaxin 4A (placental)	-3.8
1440559_at	15365 high mobility group AT-hook 2, pseudogene 1	-3.8
1452374_at	218100 zinc finger protein 322a	-3.8
1423364_a_at	14339 fused toes	-3.8
1424696_at	67549 G protein-coupled receptor 89	-3.8
1435413_x_at	545536 /// RIKEN cDNA 2700060E02 gene /// similar to RIKEN cDNA 2700060E02	-3.8
	68045	
1433626_at	235527 phospholipid scramblase 4	-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
1447483_s_at	72091 RIKEN cDNA 2610002F03 gene	-3.7
1448238_at	68045 RIKEN cDNA 2700060E02 gene	-3.7
1423121_at	15925 insulin degrading enzyme	-3.7
1435464_at	68552 RIKEN cDNA 1110003E01 gene	-3.7
1436121_a_at	67711 non-SMC element 1 homolog (S. cerevisiae)	-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
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
1434312_at	104877 expressed sequence AI788669	-3.5
1434549_at	53869 RAB11a, member RAS oncogene family	-3.5
1423370_a_at	103236 casein kinase 1, gamma 2	-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
1423591_at	67529 FGFR1 oncogene partner 2	-3.4
1416759_at	171580 microtubule associated monooxygenase, calponin and LIM domain containing 1	-3.4
1416372_at	19210 phosphatidylserine synthase 1	-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
1428718_at	69938 secernin 1	-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
1449348_at	56524 membrane protein, palmitoylated 6 (MAGUK p55 subfamily member 6)	-3.3
1423334_at	67458 RIKEN cDNA 1200007D18 gene	-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
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	
1419360_a_at	268996 synovial sarcoma translocation, Chromosome 18	-3.2
1455058_at	210376 myotubularin related protein 9	-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
1428694_at	75957 RIKEN cDNA 5033413D16 gene	-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	
1423767_at	66310 RIKEN cDNA 2810410M20 gene	-3.2
1426253_at	66768 RIKEN cDNA 4933428G09 gene	-3.2
1426628_at	234463 transmembrane protein 34	-3.2
1429458_at	67383 RIKEN cDNA 2410127L17 gene	-3.2
1420696_at	20348 sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C	-3.2
1427074_at	245867 RIKEN cDNA 5330414D10 gene	-3.2
1452654_at	70546 zinc finger, DHHC domain containing 2	-3.2
1426571_at	101772 transmembrane protein 16A	-3.1
1451277_at	225791 zinc binding alcohol dehydrogenase, domain containing 2	-3.1
1417090_at	19672 reticulocalbin 1	-3.1
1418839_at	170823 glomulin, FKBP associated protein	-3.1
1421534_at		-3.1
1424707_at	68581 RIKEN cDNA 1110014C03 gene	-3.1
1417027_at	80890 tripartite motif protein 2	-3.1
1424782_at	67171 RIKEN cDNA 2610318G18 gene	-3.1
1433954_at	74038 RIKEN cDNA 4632419I22 gene	-3.1
1432264_x_at	20463 cytochrome c oxidase subunit VIIa polypeptide 2-like	-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
1438948_x_at	12257 benzodiazepine receptor, peripheral	-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
1430053_a_at	67059 RIKEN cDNA 2810409H07 gene	-3.1
1434696_at	245866 cDNA sequence BC037708	-3.0
1437403_at	320825 RIKEN cDNA E130306M17 gene	-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
1423804_a_at	319554 isopentenyl-diphosphate delta isomerase	-3.0
1428407_at	544935 /// heterogeneous nuclear ribonucleoprotein A0 /// similar to heterogeneous nuclear	-3.0
	77134 ribonucleoprotein 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
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
1419635_at	67392 RIKEN cDNA 4833420G17 gene	-3.0
1430012_at	68790 RIKEN cDNA 1110050K14 gene	-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
1434705_at	13017 C-terminal binding protein 2	-2.9
1435870_at	20962 Synaptonemal complex protein 3	-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
1455288_at	66180 RIKEN cDNA 1110036O03 gene	-2.9
1424884_at	30050 F-box and WD-40 domain protein 2	-2.9
1420873_at	19230 protein tyrosine kinase 9	-2.8
1450105_at		-2.8
1436518_at	69727 ubiquitin specific protease 46	-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
1451726_at	219135 myotubularin related protein 6	-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
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
1434828_at	329739 RIKEN cDNA B430201A12 gene	-2.8
1433542_at	101490 inositol polyphosphate-5-phosphatase F	-2.8
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
1420628_at	19290 /// 70733 purine rich element binding protein A /// RIKEN cDNA 6330411E07 gene	-2.7
1460319_at	53618 fucosyltransferase 8	-2.7
1415796_at	23994 DAZ associated protein 2	-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 FXYP domain-containing ion transport regulator 5	-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
1417825_at	13885 esterase D/formylglutathione hydrolase	-2.7
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
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
1448894_at	14187 aldo-keto reductase family 1, member B8	-2.6
1439965_at	Transcribed locus	-2.6
1435076_at	116972 RIKEN cDNA 2310047D13 gene	-2.6
1451066_at	77582 leukocyte receptor cluster (LRC) member 4	-2.6
1416407_at	18611 phosphoprotein enriched in astrocytes 15	-2.6
1423570_at	11307 ATP-binding cassette, sub-family G (WHITE), member 1	-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
1451175_at	76687 signal peptidase complex subunit 3 homolog (S. cerevisiae)	-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 (S. cerevisiae)	-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
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
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
1417470_at	80287 apolipoprotein B editing complex 3	-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	-2.4
	432549 reductase family 1, member B3 (aldose reductase)	
1439790_at	Transcribed locus	-2.4
1451015_at	21881 transketolase	-2.4
1417399_at	14456 growth arrest specific 6	-2.4
1423097_s_at	12339 calpain 7	-2.3
1427296_at	218236 cDNA sequence BC010304	-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