

Table 11. Differentially expressed mGEP transcripts that are changed only after Kx2 infection and only in mGEPs (not npGECs). (Kx2-specific and progenitor-specific mGEP transcripts)

Upregulated transcripts			
Affymetrix probe set ID	Gene ID	Gene description	Fold change compared to uninfected mGEPs
1455688_at	98434	hypothetical LOC98434	6.9
1437199_at	240672	gene model 337, (NCBI)	5.3
1429217_at	72611	zinc finger protein 655	5.0
1451888_a_at	23966	odd Oz/ten-m homolog 4 (Drosophila)	4.6
1419558_at	17248	transformed mouse 3T3 cell double minute 4	4.6
1418423_s_at	20709 ///	serine (or cysteine) proteinase inhibitor, clade B, member 9f /// serine (or cysteine) proteinase	4.3
	20710 ///	inhibitor, clade B, member 9e /// serine (or cysteine) proteinase inhibitor, clade B, member 9g ///	
	544923 ///	similar to OTTMUSP0000000641	
	93806		
1424041_s_at	50908	complement component 1, s subcomponent	4.1
1458438_at	108811	RIKEN cDNA 4933415L06 gene	4.0
1448014_s_at	329908	ubiquitin specific protease 24	4.0
1430062_at	214305	RIKEN cDNA 1600002O04 gene	3.9
1454976_at		Adult male urinary bladder cDNA, RIKEN full-length enriched library, clone:9530055M18 product:unknown EST, full insert sequence	3.8
1448263_a_at	66054	CNDP dipeptidase 2 (metallopeptidase M20 family)	3.6
1419758_at	18671	ATP-binding cassette, sub-family B (MDR/TAP), member 1A	3.6
1419702_at	21339	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, A	3.6
1419523_at	13113	cytochrome P450, family 3, subfamily a, polypeptide 13	3.6
1438045_at	216238	early endosome antigen 1	3.6
1422264_s_at	16601	Kruppel-like factor 9	3.5
1418673_at	20583	snail homolog 2 (Drosophila)	3.4
1422804_at	20708	serine (or cysteine) proteinase inhibitor, clade B, member 6b	3.4
1423434_at	21676	TEA domain family member 1	3.4
1454862_at	208177	pleckstrin homology-like domain, family B, member 2	3.3
1436119_at	216188	aldehyde dehydrogenase 1 family, member L2	3.3
1435248_a_at	107182	BTAf1 RNA polymerase II, B-TFIID transcription factor-associated, 170kDa (Mot1 homolog, S. cerevisiae)	3.2
1437495_at	270669	membrane-bound transcription factor protease, site 2	3.2
1434113_a_at	227656	XPMC2 prevents mitotic catastrophe 2 homolog (Xenopus laevis)	3.1
1460369_at	233987	cDNA sequence BC003267	3.1
1433850_at	232314	protein phosphatase 4, regulatory subunit 2	3.0
1427046_at	252973	transcription factor CP2-like 3	2.9
1422864_at	12394	runt related transcription factor 1	2.9
1428419_at	71423	RIKEN cDNA 5430411K18 gene	2.9
1433962_at	328162	RIKEN cDNA 6720458F09 gene	2.8
1421065_at	16452	Janus kinase 2	2.8
1460370_at	72960	DNA topoisomerase 1, mitochondrial	2.8
1424866_at	216835	ubiquitin specific protease 43	2.7
1440527_at		Transcribed locus	2.7
1430417_s_at	216860	RIKEN cDNA 0610025P10 gene	2.7
1452062_at	212627	phosphoribosyl pyrophosphate synthetase-associated protein 2	2.7
1429650_at	74178	serine/threonine kinase 40	2.6
1436684_a_at	67045	RIO kinase 2 (yeast)	2.6
1437650_at	331006	hypothetical protein C730026J16	2.6
1429491_s_at	51869	Rap1 interacting factor 1 homolog (yeast)	2.6
1428771_at	76788	RIKEN cDNA 2410127E18 gene	2.5
1454725_at	101214	RIKEN cDNA G430041M01 gene	2.5
1430300_at	52892	SCO cytochrome oxidase deficient homolog 1 (yeast)	2.4
1418114_at	19664	recombining binding protein suppressor of hairless (Drosophila)	2.4
1424507_at	225870	Ras and Rab interactor 1	2.4
1427364_a_at	18263 ///	ornithine decarboxylase, structural 1 /// similar to Ornithine decarboxylase (ODC)	2.4
	545783		
1429778_at	71648	optineurin	2.3
Downregulated transcripts			
Affymetrix probe set ID	Gene ID	Gene description	Fold change compared to uninfected mGEPs
1452301_at	67689	aldehyde dehydrogenase 3 family, member B1	-5.4
1460257_a_at	107885	5, 10-methenyltetrahydrofolate synthetase	-5.2
1421161_at	12223	betacellulin, epidermal growth factor family member	-4.9
1438475_at			-4.9
1424014_at	67278	RIKEN cDNA 2900092E17 gene	-4.6
1426669_at	223978	RIKEN cDNA C530044N13 gene	-4.4

1438483_at		-4.3
1439296_at	18824 Proteolipid protein 2	-4.2
1450396_at	20843 stromal antigen 2	-4.2
1428903_at	73172 RIKEN cDNA 3110037I16 gene	-4.2
1451560_at	233210 cDNA sequence BC058674	-4.0
1433639_at	215512 RIKEN cDNA 5730593F17 gene	-3.7
1425580_a_at	225326 phosphoinositide-3-kinase, class 3	-3.7
1434787_at	105930 expressed sequence AI854770	-3.6
1434119_at	227695 DNA segment, Chr 2, Wayne State University 81, expressed	-3.4
1416125_at	14229 FK506 binding protein 5	-3.3
1416897_at	80285 poly (ADP-ribose) polymerase family, member 9	-3.3
1448619_at	13360 7-dehydrocholesterol reductase	-3.2
1423813_at	110033 kinesin family member 22	-3.2
1451835_at	223227 SRY-box containing gene 21	-3.1
1435630_s_at	110460 acetyl-Coenzyme A acetyltransferase 2	-3.1
1422525_at	11958 ATP synthase, H+ transporting, mitochondrial F1F0 complex, subunit e	-3.0
1425804_at	15372 H6 homeo box 2	-3.0
1428819_at	13589 microtubule-associated protein, RP/EB family, member 1	-3.0
1428296_at	66491 polymerase (RNA) II (DNA directed) polypeptide L	-3.0
1421824_at	23821 beta-site APP cleaving enzyme 1	-3.0
1422653_at	68121 RIKEN cDNA C030018L16 gene	-3.0
1448095_at	Transcribed locus	-3.0
1455381_at	320675 RIKEN cDNA 4921513D23 gene	-2.9
1422513_at	12449 cyclin F	-2.9
1416429_a_at	12359 catalase	-2.9
1417403_at	170439 ELOVL family member 6, elongation of long chain fatty acids (yeast)	-2.9
1448609_at	22117 thiosulfate sulfurtransferase, mitochondrial	-2.8
1438868_at	219132 DNA segment, Chr 14, ERATO Doi 668, expressed	-2.7
1434911_s_at	71085 Rho GTPase activating protein 19	-2.7
1416555_at	13663 etoposide induced 2.4 mRNA	-2.7
1418300_a_at	17347 MAP kinase-interacting serine/threonine kinase 2	-2.7
1450627_at	11732 progressive ankylosis	-2.7
1430640_a_at	19088 protein kinase, cAMP dependent regulatory, type II beta	-2.7
1453380_a_at	68876 RIKEN cDNA 2410012H02 gene	-2.7
1426146_a_at	212862 choline phosphotransferase 1	-2.6
1449125_at	66443 tumor necrosis factor, alpha-induced protein 8-like 1	-2.6
1448943_at	18186 neuropilin 1	-2.6
1451209_at	71949 longevity assurance homolog 5 (S. cerevisiae)	-2.5
1428451_at	72946 leucine rich repeat containing 47	-2.5
1419976_s_at	18021 nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 3	-2.4