

Table S6. Cis-regulated transcripts found by both SBMR and the Hotelling's T^2 -test at 5% FDR. For each probeset, we report only the common cis-eQTLs but not the additional trans-eQTLs that were identified by either SBMR or Hotelling's T^2 -test. For each probe set, we determined which eQTLs were regulated in cis or in trans by defining cis-eQTLs as those with a peak of linkage within 10 Mbp of the physical location of the probe set.

Probe identifier	Gene symbol	Gene name	Transcript chromosome	Transcript physical position (Mb)	Genetic marker at peak of linkage	Marker chromosome	Marker physical position (Mb)	Marker/transcript distance (Mb)
1371324_at	--	--	1	7.75	D1Rat327	1	8.21	0.46
1372312_at	Ltv1	LTV1 homolog	1	7.97	D1Rat327	1	8.21	0.24
1376249_at	Fuca2	Plasma alpha-L-fucosidase precursor	1	8.30	D1Rat327	1	8.21	0.09
1369956_at	Ifng1	interferon gamma receptor 1	1	14.86	D1Rat7	1	16.00	1.14
1374851_at	--	--	1	83.50	D1Rat24	1	76.81	6.69
1373781_a_at	Sbsn	Suprabasin Precursor	1	85.80	D1Rat212	1	86.59	0.79
1399157_at	NP_001100977.1	similar to NNX3 (predicted)	1	90.43	D1Rat27	1	90.36	0.07
1389673_at	--	--	1	101.40	D1Rat30	1	100.62	0.78
1387812_at	--	--	1	120.48	D1Rat30	1	100.62	4.35
1372658_at	--	--	1	122.50	D1Utr3	1	123.04	0.54
1389650_at	--	--	1	135.87	D1Rat42	1	135.50	0.37
1376780_at	RGD1310022	similar to RIKEN cDNA 2610204K14	1	137.99	D1Ceb103s1	1	139.83	1.84
1373152_at	Pras23	Serine protease 23 precursor	1	146.09	C	1	140.72	5.37
1368669_at	Ucp2	Mitochondrial uncoupling protein 2 (UCP 2)	1	157.93	D1Rat47	1	158.59	0.66
1371085_at	Asc13	Putative bHLH transcription factor	1	167.35	D1Rat55	1	170.61	3.26
1377407_at	--	--	1	177.79	D1Ceb7s3	1	178.17	0.38
1385567_at	LOC682025	THUMP domain containing 1	1	178.00	D1Ceb7s3	1	178.17	0.17
1389300_at	--	--	1	178.23	D1Ceb7s3	1	178.17	0.06
1375664_at	--	--	1	182.05	Scn1f1g	1	180.79	1.26
1374017_at	--	--	1	187.30	My2	1	186.62	0.68
1373829_at	--	--	1	189.55	D1Rat69	1	199.26	9.71
1368311_at	Mgmt	Methylated-DNA-protein-cysteine methyltransferase	1	196.87	D1Ara22	1	198.32	1.45
1372846_at	Cybas3	cytochrome b, ascorbate dependent 3	1	213.08	D1Rat293	1	213.04	0.04
1369098_at	Vldlr	Very low-density lipoprotein receptor precursor (VLDL receptor)	1	230.70	D1Mta4	1	231.13	0.43
1388491_at	NP_001099842.1	membrane-associated ring finger (C3HC4) 5	1	241.50	D1Rat304	1	242.35	0.85
1369626_at	Ide	Insulin-degrading enzyme	1	241.65	D1Rat304	1	242.35	0.70
1375922_at	--	--	1	247.09	D1Rat235	1	246.22	1.13
1398473_at	Bloc1s2	Biogenesis of lysosome-related organelles complex-1 subunit 2	1	249.09	D1Rat81	1	250.38	1.29
1374960_at	RGD1564887	similar to 9130011E15Rk protein (predicted)	1	251.11	D1Rat81	1	250.38	0.73
1372053_at	Max1	MAX-interacting protein 1	1	259.26	D1Rat225	1	261.39	2.13
1390466_at	--	--	2	31.50	D2Rat94	2	31.10	0.40
1371776_at	Pk3r1	Phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 1	2	32.61	D2Rat94	2	31.10	1.51
1374586_at	--	--	2	45.71	D2Rat202	2	51.75	6.04
1387144_at	Iga1	Integrin alpha-1 precursor	2	47.21	D2Rat201	2	49.62	2.41
1376944_at	--	--	2	59.69	D2Mta4	2	63.35	3.66
1373082_at	--	--	2	96.52	D2Utr4	2	94.66	1.86
1389580_at	--	--	2	105.26	D2Mta8	2	108.10	2.84
1388387_at	MGC72614	Uncharacterized protein C4orf18 homolog	2	171.43	Hsp27rs	2	174.70	3.27
1368890_at	S100a10	Protein S100-A10	2	186.65	D2Ceb104s1	2	180.72	5.93
1367673_at	Selenbp1	Selenium-binding protein 1	2	189.85	D2Ceb104s1	2	180.72	9.13
1367986_at	Pgfrn	Prostaglandin F2 receptor negative regulator precursor	2	196.16	D2Ceb10s6	2	197.22	1.06
1368988_at	Caasq2	Calasquestrin-2 precursor	2	197.24	D2Ceb10s6	2	197.22	0.02
1368985_at	Gstm1	Glutathione S-transferase Mu 1	2	203.58	D2Rat157	2	206.37	2.79
1380404_at	--	--	2	213.17	D2Rat236	2	204.10	9.07
1373610_at	--	--	2	220.10	D2Ceb4s8	2	220.39	0.29
1376723_a_at	--	--	2	220.26	D2Ceb4s8	2	220.39	0.13
1374006_at	1374006_at	kynurenine aminotransferase III	2	240.85	D2Rat66	2	241.76	0.91
1368637_at	Card9	Caspase recruitment domain-containing protein 9	3	4.53	D3Ceb83s1	3	2.50	2.03
1389973_a_at	Surf4	Surfeit locus protein 1	3	5.83	D3Utr4	3	7.50	1.67
1388912_at	Rexo4	XPM/C2 prevents mitotic catastrophe 2 homolog	3	5.86	D3Ceb204s4	3	5.00	0.86
1370573_at	Sardh	Sarcosine dehydrogenase, mitochondrial precursor	3	6.14	D3Ceb204s4	3	5.00	1.14
1389816_at	Endog	endonuclease G	3	9.19	D3Ceb204s4	3	5.00	4.19
1373782_a_at	--	--	3	9.19	D3Ceb204s4	3	5.00	4.19
1373537_at	--	--	3	10.09	D3Ceb26s1	3	9.36	0.73
1370964_at	Ass	Argininosuccinate synthase	3	10.62	D3Ceb26s1	3	9.36	1.26
1375687_at	Rab14	Ras-related protein Rab-14	3	14.25	D3Rat53	3	11.61	2.64
1376796_at	Rab14	Ras-related protein Rab-14	3	14.25	D3Rat53	3	11.61	2.64
1368618_at	Grb14	Growth factor receptor-bound protein 14	3	46.95	D3Utr8	3	48.28	1.32
1390501_at	--	--	3	55.84	D3Rat180	3	58.66	2.82
1368051_at	Hsd17b12	Estradiol 17-beta-dehydrogenase 12	3	78.56	D3Utr4	3	76.82	1.74
1375676_at	--	--	3	95.34	D3Rat166	3	101.26	5.92
1370232_at	Ivd	isovaleryl-CoA dehydrogenase, mitochondrial precursor	3	105.40	D3Utr6	3	109.86	4.46
1370194_at	--	--	3	107.36	D3Utr6	3	109.86	2.50
1370195_at	--	--	3	107.36	D3Utr6	3	109.86	2.50
1389716_at	--	--	3	107.39	D3Utr6	3	109.86	2.47
1369635_at	Q6TUH3_RAT	LRRGT00071	3	109.05	D3Utr6	3	109.86	0.81
1375362_at	--	--	3	114.44	D3Rat257	3	115.93	1.49
1370156_at	Pmp	Major prion protein precursor	3	119.69	D3Rat159	3	119.34	0.35
1390717_at	RGD1311037	Cardiolipin synthase	3	120.67	D3Rat159	3	119.34	1.33
1387170_at	Csnk2a1	Casein kinase II subunit alpha	3	142.61	D3Mta3	3	136.31	6.30
1373749_at	Snta1	Snta1 protein	3	144.87	D3Mta3	3	136.31	8.56
1388178_at	Ncoa3	Nuclear receptor coactivator 3	3	157.20	Syp1	3	157.49	0.29
1387906_a_at	--	--	3	165.22	D3Rat132	3	164.97	0.25
1367689_a_at	Cd36	Cd36 antigen	4	13.55	Cd36	4	13.51	0.04
1386901_at	Cd36	Cd36 antigen	4	13.55	Cd36	4	13.51	0.04
1370902_at	Akr1b8	aldo-keto reductase family 1, member B8	4	61.73	Lep	4	56.19	5.54
1374785_at	--	--	4	66.25	D4Rat102	4	66.50	0.25
1368947_at	Gadd45a	Growth arrest and DNA-damage-inducible protein	4	96.65	D4Rat35	4	91.58	5.07
1371998_at	--	--	4	117.56	D4Rat49	4	119.72	2.16
1371155_at	--	--	4	120.05	D4Rat49	4	119.72	0.33
1368208_at	RGD621605	Probable N-acetyltransferase CML6	4	120.08	D4Rat49	4	119.72	0.36
1369415_at	Bhlhb2	basic helix-loop-helix family, member e40	4	144.15	D4Rat240	4	148.25	4.10
1390284_at	1390284_at	coiled-coil domain containing 77	4	156.71	D4Utr4	4	161.22	4.51
1389553_at	--	--	4	159.47	D4Rat202	4	159.36	0.11
1373510_at	--	--	4	161.34	D4Rat66	4	161.27	0.07
1376200_at	--	--	4	186.58	D4Rat140	4	182.99	3.59
1373143_at	RGD1309621	RGD1309621 protein (Fragment)	4	186.79	D4Rat140	4	182.99	3.80
1367949_at	Penk1	Proenkephalin A precursor	5	17.51	D5Rat188	5	18.49	0.98
1372700_at	--	--	5	25.01	D5Rat126	5	24.79	0.22
1368910_at	Ppm2c	Pyruvate dehydrogenase	5	26.24	D5Rat126	5	24.79	1.45
1373440_at	--	--	5	49.10	D6Rat6	5	52.53	3.43
1373427_at	NP_001100111.1	Ras-related GTP binding D	5	49.30	D6Rat6	5	52.53	3.23
1376628_at	NP_001101400.1	zinc finger protein 169	5	66.28	D5Utr1	5	64.57	1.71
1376537_at	--	--	5	75.11	D5Rat228	5	74.57	0.54
1374527_at	Echdc2	enoyl Coenzyme A hydratase domain containing 2	5	129.28	D5Rat158	5	126.26	4.02
1371960_at	--	--	5	151.06	D5Rat38	5	149.77	1.29
1380433_at	--	--	5	153.27	D5Rat93	5	154.02	0.75
1374554_at	1110049F12Rik	UPFD424 protein C1orf128 homolog	5	154.77	D5Rat93	5	154.02	0.75
1384404_at	Slc3a1	Neutral and basic amino acid transport protein 1/BAT	6	8.45	D6Cebp424s2	6	15.16	6.71
1374004_at	RGD1310143	Proyl endopeptidase-like	6	8.45	D6Cep8	6	15.85	7.40
1369973_at	Xgh	Xanthine dehydrogenase/oxidase	6	21.59	D6Rat147	6	21.90	0.31
1375532_at	--	--	6	42.78	D6Rat28	6	43.41	0.63
1377329_at	--	--	6	54.84	D6Cebp97s14	6	56.36	1.52
1370258_at	Bzw2	Basic leucine zipper and W2 domain-containing protein 2	6	54.88	D6Cebp97s14	6	56.36	1.47
1379281_at	Sostdc1	Sclerostin domain-containing protein 1 precursor	6	55.07	D6Cebp97s14	6	56.36	1.28
1372681_at	--	--	6	64.25	D6Cebp97s14	6	56.36	7.89

Probe identifier	Gene symbol	Gene name	Transcript chromosome	Transcript physical position (Mb)	Genetic marker at peak of linkage	Marker chromosome	Marker physical position (Mb)	Marker/transcript distance (Mb)
1375450_at	<i>Sdcag1</i>	Serologically defined colon cancer antigen 1 homolog	6	91.28	<i>D6Cabr36s1</i>	6	97.87	6.59
1376288_at	--	--	6	91.34	<i>D6Cabr36s1</i>	6	97.87	6.53
1368859_at	<i>Ppm1a</i>	Protein phosphatase 1A	6	95.20	<i>D6Cabr36s1</i>	6	97.87	2.67
1370829_at	<i>Fntb</i>	Protein farnesyltransferase subunit beta	6	99.51	<i>D6Rat87</i>	6	98.75	0.76
1392720_at	--	--	7	13.11	<i>D7Mit17</i>	7	13.08	0.03
1382778_at	<i>Dusp6</i>	dual specificity phosphatase 6	7	36.90	<i>D7Utr1</i>	7	32.36	4.54
1377064_at	<i>Dusp6</i>	Dual specificity protein phosphatase 6	7	36.90	<i>D7Utr1</i>	7	32.36	4.54
1370609_a_at	<i>Sic16a7</i>	Monocarboxylate transporter 2 (MCT 2)	7	65.29	<i>D7Mit6</i>	7	61.84	3.45
1368536_at	<i>Enpp2</i>	Ectonucleotide pyrophosphatase/phosphodiesterase family member 2 Precursor	7	91.38	<i>D7Rat112</i>	7	90.26	1.12
1388347_at	<i>LOC362934</i>	similar to lymphocyte antigen 6 complex	7	113.16	<i>Cyp11b2</i>	7	113.05	0.11
1386941_at	<i>Plec1</i>	plectin 1	7	114.24	<i>D7Cabr77s1</i>	7	115.04	0.80
1368001_at	<i>Oplah</i>	5-oxoprolinase	7	114.34	<i>D7Rat131</i>	7	111.92	2.42
1371725_at	--	--	7	115.68	<i>D7Rat131</i>	7	111.92	3.76
1370861_at	<i>Tst</i>	Thiosulfate sulfurtransferase	7	116.36	<i>D7Cabr77s1</i>	7	115.04	1.32
1374915_at	--	--	7	116.87	<i>D7Rat129</i>	7	119.20	2.33
1367628_at	<i>Lgals1</i>	Galectin-1 (Lectin galactoside-binding soluble 1)	7	116.90	<i>D7Rat131</i>	7	111.92	4.98
1376001_at	<i>Adsl</i>	adenylosuccinate lyase	7	119.25	<i>D7Rat129</i>	7	119.20	0.05
1383188_at	--	--	7	123.81	<i>D7Mit2</i>	7	123.67	0.14
1372624_at	--	--	7	134.62	<i>D7Rat4</i>	7	134.69	0.07
1373108_at	<i>RGD1311098</i>	similar to RIKEN cDNA 2810451A06	7	137.88	<i>D7Utr4</i>	7	137.48	0.40
1372734_at	<i>Snaagp</i>	small cell adhesion glycoprotein	7	139.40	<i>D7Cabr24s1</i>	7	137.90	1.50
1387819_at	<i>Ela1</i>	Elastase-1 precursor	7	139.45	<i>D7Cabr20s1</i>	7	141.00	1.55
1372805_at	--	--	8	11.15	<i>D8Rat56</i>	8	8.29	2.86
1398460_at	<i>RGD1311723</i>	similar to KIAA1731 protein	8	12.12	<i>D8Rat56</i>	8	8.29	3.83
1380286_x_at	<i>RGD1311723</i>	similar to KIAA1731 protein	8	12.12	<i>D8Utr3</i>	8	9.17	2.95
1377501_at	<i>Zfp75</i>	zinc finger protein 75	8	18.08	<i>D8Rat68</i>	8	19.46	1.38
1388366_at	<i>Mppl4</i>	mitochondrial ribosomal protein L4	8	20.03	<i>D8Rat68</i>	8	19.46	0.57
1387366_at	<i>Ilf3</i>	Interleukin enhancer-binding factor 3	8	20.51	<i>D8Rat68</i>	8	19.46	1.05
1377061_at	--	--	8	32.03	<i>D8Rat49</i>	8	32.19	0.16
1390185_at	<i>Dcps</i>	Scavenger mRNA-decapping enzyme Dcps	8	34.96	<i>Korj1</i>	8	32.17	2.79
1390710_x_at	<i>Sorf1</i>	LR11 (Fragment)	8	44.98	<i>Grik4</i>	8	45.83	0.85
1393933_at	<i>Sorf1</i>	LR11 (Fragment)	8	44.98	<i>Grik4</i>	8	45.83	0.85
1377457_a_at	--	--	8	44.98	<i>Grik4</i>	8	45.83	0.85
1373055_at	--	--	8	45.40	<i>Grik4</i>	8	45.83	0.43
1374485_at	--	--	8	45.98	<i>Grik4</i>	8	45.83	0.15
1370665_at	<i>Hyou1</i>	Hypoxia up-regulated protein 1 precursor	8	47.36	<i>Scnb2</i>	8	48.08	0.72
1371442_at	<i>Hyou1</i>	Hypoxia up-regulated protein 1 precursor	8	47.36	<i>Scnb2</i>	8	48.08	0.72
1382838_at	--	--	8	60.91	<i>Crabp1</i>	8	58.34	2.57
1376110_at	<i>Rpp25</i>	Ribonuclease P protein subunit p25	8	61.25	<i>D8Mit12</i>	8	58.05	3.20
1370539_at	<i>Rab8b</i>	Ras-related protein Rab-8B	8	71.23	<i>Tpm1</i>	8	71.36	0.13
1389107_at	--	--	8	76.09	<i>D8Utr5</i>	8	79.25	3.16
1382105_at	--	--	8	80.17	<i>D8Cabr204s21</i>	8	87.14	6.97
1372500_at	<i>Tmod3</i>	tropomodulin 3	8	80.32	<i>D8Cabr204s21</i>	8	87.14	6.82
1372297_at	--	--	8	83.18	<i>D8Cabr204s21</i>	8	87.14	3.96
1370228_at	<i>Tf</i>	Serotransferrin precursor	8	108.24	<i>D8Ucsl1</i>	8	108.55	0.31
1372376_at	--	--	8	115.00	<i>Mylic1v</i>	8	115.16	0.16
1374159_at	--	--	8	115.29	<i>Mylic1v</i>	8	115.16	0.13
1382997_at	--	--	8	124.16	<i>D8Cabr46s6</i>	8	118.08	6.08
1377452_at	<i>Clec3b</i>	C-type lectin domain family 3, member B	8	127.91	<i>D8Cabr16s5</i>	8	126.00	1.91
1388926_at	--	--	9	12.57	<i>D9Rat131</i>	9	14.43	1.86
1371951_at	--	--	9	42.33	<i>D9Rat104</i>	9	42.29	0.04
1389313_at	<i>Fhl2</i>	Four and a half LIM domains protein 2	9	42.39	<i>D9Rat104</i>	9	42.29	0.10
1373887_at	<i>Sf3b1</i>	Spliceosomal protein SF3b155	9	53.80	<i>D9Rat60</i>	9	44.98	8.82
1387376_at	<i>Aox1</i>	Aldehyde oxidase	9	56.77	<i>D9Rat93</i>	9	55.90	0.87
1370176_at	<i>Trak2</i>	Trafficking kinesin-binding protein 2	9	57.48	<i>D9Rat19</i>	9	59.61	2.13
1384309_at	--	--	9	61.79	<i>D9Rat156</i>	9	61.49	0.30
1374196_at	<i>Lanc1</i>	Lanc-like protein 1	9	65.83	<i>Cryga</i>	9	63.87	1.96
1368127_at	<i>Neu2</i>	Sialidase-2	9	86.56	<i>D9Rat4</i>	9	90.90	4.34
1392702_at	--	--	9	112.81	<i>D9Rat1</i>	9	111.07	1.74
1370705_at	<i>Zfp597</i>	zinc finger protein HT-4	9	11.93	<i>D10Utr3</i>	10	10.13	1.80
1371916_at	--	--	10	14.00	<i>D10Cabr27s2</i>	10	13.24	0.76
1398910_at	<i>Stub1</i>	STIP1 homology and U-box containing protein 1	10	15.10	<i>D10Mit6</i>	10	14.72	0.38
1375519_at	<i>LOC287167</i>	glofin, alpha	10	15.56	<i>D10Mit6</i>	10	14.72	0.84
1368574_at	--	--	10	28.95	<i>D10Rat71</i>	10	29.54	0.59
1375540_at	--	--	10	37.50	<i>D10Mit4</i>	10	36.65	0.85
1371803_at	<i>Gm2a</i>	GM2 ganglioside activator protein	10	40.51	<i>D10Rat215</i>	10	38.40	2.11
1367562_at	<i>Sparc</i>	SPARC precursor	10	40.83	<i>D10Rat166</i>	10	43.94	3.11
1390063_at	<i>Mfap3</i>	Microfibril-associated glycoprotein 3 precursor	10	43.12	<i>D10Rat166</i>	10	43.94	0.82
1377353_a_at	--	--	10	56.50	<i>D10Wox14</i>	10	56.91	0.41
1373417_at	<i>Ptscr3</i>	Phospholipid scramblase 3	10	56.69	<i>D10Wox13</i>	10	55.87	0.82
1367989_at	<i>Sic2e4</i>	Solute carrier family 2	10	56.79	<i>D10Rat102</i>	10	52.52	4.27
1372064_at	<i>Cxcl16</i>	similar to chemokine (C-X-C motif) ligand 16	10	57.31	<i>D10Wox13</i>	10	55.87	1.44
1370930_at	<i>Kif1c</i>	kinesin family member 1C	10	57.62	<i>D10Wox13</i>	10	55.87	1.75
1375672_at	--	--	10	62.78	<i>D10Rat80</i>	10	61.81	0.97
1376742_at	--	--	10	85.03	<i>D10Rat145</i>	10	84.92	0.11
1374948_at	<i>Tmem106a</i>	Transmembrane protein 106A	10	90.61	<i>Ppy</i>	10	91.18	0.57
1390310_at	--	--	10	95.77	<i>D10Utr2</i>	10	95.58	0.19
1389935_at	<i>RGD1309310_predicted</i>	similar to KIAA0195 protein	10	105.90	<i>D10Rat7</i>	10	105.90	0.00
1373438_at	--	--	10	106.65	<i>D10Rat7</i>	10	105.90	0.75
1373895_at	--	--	10	107.18	<i>D10Rat7</i>	10	105.90	1.28
1390443_at	--	--	11	17.45	<i>D11Rat20</i>	11	16.67	0.78
1371572_at	<i>App</i>	Amyloid beta A4 protein precursor	11	24.69	<i>D11Rat19</i>	11	27.01	2.32
1375696_at	<i>NP_001099363.1</i>	interferon (alpha and beta) receptor 1	11	31.48	<i>D11Cabr15s1</i>	11	32.79	1.31
1379208_at	<i>NP_001099363.1</i>	interferon (alpha and beta) receptor 1	11	31.48	<i>D11Cabr15s1</i>	11	32.79	1.31
1388696_at	<i>Dscr1</i>	Calcipressin-1	11	32.41	<i>D11Rat16</i>	11	30.81	1.60
1390364_at	--	--	11	32.73	<i>D11Mit2</i>	11	30.89	1.84
1368037_at	<i>Cbr1</i>	Carbonyl reductase	11	33.79	<i>D11Cabr15s1</i>	11	32.79	1.00
1373085_at	<i>NP_001100580.1</i>	carbonyl reductase 3	11	33.92	<i>D11Cabr15s1</i>	11	32.79	1.13
1372438_at	<i>Nit2</i>	nitrilase family, member 2	11	44.30	<i>D11Rat7</i>	11	46.56	2.26
1376840_at	--	--	12	9.67	<i>D12Cabr97s9</i>	12	5.55	4.12
1377244_at	<i>Zfp95</i>	zinc finger with KRAB and SCAN domains 5	12	9.70	<i>D12Cabr97s9</i>	12	5.55	4.15
1376550_at	--	--	12	13.17	<i>D12Mit5</i>	12	12.80	0.37
1386936_at	<i>Grfn</i>	Grfn	12	14.55	<i>Pai1</i>	12	20.93	6.38
1375958_at	--	--	12	19.81	<i>Hsp27</i>	12	21.90	2.09
1376688_a_at	--	--	12	20.01	<i>D12Rat28</i>	12	16.34	3.67
1377062_at	--	--	12	20.79	<i>D12Mit7</i>	12	17.76	3.03
1392941_at	--	--	12	22.42	<i>Hsp27</i>	12	21.90	0.52
1371905_at	<i>MGC94190</i>	similar to 0610007L01Rk protein	12	27.49	<i>D12Mit7</i>	12	17.76	9.73
1383321_at	--	--	12	27.59	<i>D12Cabr1s1</i>	12	30.13	2.54
1373682_at	<i>RGD:1309580</i>	DEAD (Asp-Glu-Ala-Asp) box polypeptide 51	12	46.16	<i>D12Rat20</i>	12	44.12	2.04
1373661_a_at	<i>Cxcr4</i>	C-X-C chemokine receptor type 4	13	41.31	<i>D13Cabr5s3</i>	13	45.52	4.21
1389521_at	<i>ivms fabp_predicted</i>	influenza virus NS1A binding protein	13	66.24	<i>D13Cabr2s5</i>	13	61.84	4.40
1368304_at	<i>Fmo3</i>	Dimethylamine monoxygenase	13	78.68	<i>D13Mit3</i>	13	78.08	0.60
1371732_at	<i>Dpt</i>	Dermatoponin Precursor	13	80.59	<i>D13Rat131</i>	13	80.77	0.18
1377807_a_at	--	--	13	81.08	<i>D13Rat131</i>	13	80.77	0.31
1387314_at	<i>Sulf1b1</i>	Sulfotransferase family cytosolic 1B member 1	14	22.03	<i>D14Utr5</i>	14	17.39	4.64
1367816_at	<i>Hod</i>	Homeodomain-only protein (Odd homeobox protein 1)	14	33.38	<i>D14Rat36</i>	14	33.04	0.34
1375104_at	--	--	14	36.61	<i>D14Rat52</i>	14	37.23	0.62
1374539_at	--	--	14	38.34	<i>D14Cabr136s2</i>	14	45.02	6.68
1382667_at	--	--	14	81.75	<i>D14Rat37</i>	14	81.45	0.30

Probe identifier	Gene symbol	Gene name	Transcript chromosome	Transcript physical position (Mb)	Genetic marker at peak of linkage	Marker chromosome	Marker physical position (Mb)	Marker/transcript distance (Mb)
1370815_at	Nefh	Neurofilament heavy polypeptide	14	85.60	D14Utr1	14	78.45	7.15
1375530_at	--	--	15	21.28	D15Mk3	15	20.06	1.22
1387808_at	Slc7a7	Y+L amino acid transporter 1	15	32.47	D15Rat6	15	32.65	0.18
1388654_at	RGD:1309297	mitochondrial ribosomal protein L52 (predicted)	15	32.49	D15Rat6	15	32.65	0.16
1373122_at	Jub	Protein ajuba	15	32.64	D15Rat6	15	32.65	0.01
1371963_at	PCCA_RAT	Propionyl-CoA carboxylase alpha chain, mitochondrial precursor	15	108.03	D15Rat107	15	108.40	0.37
1390435_at	RGD1307583_predicted	LOC361111 (predicted)	16	6.56	D16Rat51	16	3.48	3.08
1389909_at	NP_001100765.1	oxidoreductase NAD-binding domain containing 1	16	7.57	D16Rat54	16	11.21	3.64
1388688_at	--	--	16	13.05	D16Rat54	16	11.21	1.84
1376732_at	Calr3	calreticulin 3	16	17.84	D16Utr1	16	16.19	1.65
1388508_at	Ap1m1	adaptor-related protein complex 1, mu 1 subunit	16	18.03	D16Utr1	16	16.19	1.84
1377959_at	--	--	16	18.03	D16Utr1	16	16.19	1.84
1389793_at	--	--	16	20.01	D16Utr1	16	16.19	3.82
1389722_at	--	--	16	62.67	D16Rat60	16	64.08	1.41
1390050_at	--	--	17	10.94	D17Ucs2	17	15.61	4.67
1388485_at	--	--	17	14.30	D17Utr1	17	23.79	9.49
1376749_at	Ognr_predicted	osteoglycin	17	20.99	D17Utr1	17	23.79	2.80
1374903_at	Gcnf2	glucosaminyl (N-acetyl) transferase 2, l-branching enzyme	17	29.81	D17Rat11	17	30.93	1.12
1375003_at	Serpinc6a	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 6	17	37.34	D17Rat144	17	37.97	0.63
1373672_at	MGC94010	similar to SP16	17	37.79	D17Rat144	17	37.97	0.18
1388225_at	Exoc2	Exocyst complex component 2	17	40.13	D17Rat144	17	37.97	2.16
1374126_at	--	--	17	67.01	D17Rat50	17	66.99	0.02
1372869_at	LOC291276	Nucleolar GTP-binding protein 1	17	72.28	D17Rat151	17	71.58	0.70
1388986_at	--	--	17	75.58	D17Rat151	17	71.58	4.00
1387060_at	--	--	17	75.59	D17Rat151	17	71.58	4.01
1372000_at	Netf1	neuroepithelial cell transforming gene 1	17	77.54	D17Rat151	17	71.58	5.96
1388195_at	--	--	17	83.03	D17Rat62	17	83.49	0.46
1389867_at	--	--	17	83.03	D17Rat62	17	83.49	0.46
1388656_at	--	--	18	28.44	D18Cabr19s1	18	29.50	1.06
1375267_at	Ppic	peptidylprolyl isomerase C	18	48.90	D18Rat19	18	49.65	0.75
1374392_at	Csnk1a1	casein kinase 1, alpha 1	18	57.57	D18Rat55	18	54.93	2.64
1384970_at	--	--	18	62.04	D18Rat61	18	61.64	0.40
1390128_at	LOC682926	similar to chromatin modifying protein 1B	18	63.72	D18Rat61	18	61.64	2.08
1368842_at	--	--	18	66.36	D18Rat41	18	59.35	7.01
1375343_at	--	--	18	66.36	D18Rat13	18	67.93	1.57
1388630_at	--	--	18	67.16	D18Rat13	18	67.93	0.77
1380203_at	--	--	18	67.19	D18Rat13	18	67.93	0.74
1372072_at	RGD1308579	Immediate early response 3-interacting protein 1	18	73.95	D18Rat5	18	77.53	3.58
1389458_at	--	--	19	10.17	D19Rat19	19	7.82	2.35
1390491_at	--	--	19	10.61	D19Rat19	19	7.82	2.79
1389774_at	--	--	19	39.98	D19Rat71	19	41.19	1.21
1371658_at	Cox4nb	COX4 neighbor	19	51.02	D19Cabr204s28	19	51.03	0.01
1368891_at	--	--	19	55.06	D19Utr7	19	53.16	1.90
1377036_at	--	--	20	0.08	Tnfr	20	3.66	3.58
1390562_s_at	--	--	20	0.08	Tnfr	20	3.66	3.58
1388236_x_at	--	--	20	0.15	Tnfr	20	3.66	3.51
1371171_at	--	--	20	2.84	Tnfr	20	3.66	0.82
1370290_at	Tubb5	Tubulin beta-5 chain	20	3.06	Tnfr	20	3.66	0.60
1388202_at	RT1-CE10	RT1 class I, CE10	20	3.58	Tnfr	20	3.66	0.08
1388203_x_at	RT1-CE10	RT1 class I, CE10	20	3.58	Tnfr	20	3.66	0.08
1371985_a_at	Bat5	HLA-B associated transcript 5	20	3.80	Tnfr	20	3.66	0.14
1377031_at	--	--	20	4.22	Tnfr	20	3.66	0.56
1370822_at	--	--	20	4.70	Tnfr	20	3.66	1.04
1370882_at	--	--	20	4.84	Tnfr	20	3.66	1.18
1371213_at	--	--	20	5.03	Tnfr	20	3.66	1.37
1369726_at	Wdr46	WD repeat domain 46	20	5.12	Tnfr	20	3.66	1.46
1374429_at	--	--	20	7.82	Tnfr	20	3.66	4.16
1374916_at	Pwp2h	periodic tryptophan protein homolog	20	10.85	D20Utr2	20	10.72	0.13
1374558_at	--	--	20	10.95	D20Utr2	20	10.72	0.23
1369640_at	Gla1	Gaap junction alpha-1 protein	20	35.42	D20Rat52	20	34.71	0.71