

Table S1. Primers for DNA amplification.

Exons	Sense primer(5'-3')	Antisense primer(5'-3')
Fhl1	AAAGGACTGTGTCAAGAGTGAG	AAACAGGGTGAGAGGCAAG
MyBPC2	GTGAGTGTCCGTTTGTGGCC	CTGCCAAGTGAGACTGACGT
Myot	ATACAGCCAGACTCGAATGC	GAAATCAGGAGGCAGATCCTT
Anp	GAGGAGAAGATGAAGGTAG	CTAGAGAGGGAGCTAAGTG
Myl4	AGGGCTCGCCGAAAGGGA	ATGCTAGCCCCTGCTCCGAG
Crp2	GCTACGGAAAGAAGTATGGACC	CTCAGTCAGAGTTGTAGACTCC
Carp	TGGAGAGTATGAAGCTGCTG	TCTGCCTCTCGAACTTTCTC
Tgf β	GCGGACTACTATGCTAAAGAGG	GTAGAGTTCCACATGTTGCTCC
Darp	ACTTCATCAGCATTTCAGCAG	TCAGGTTGTCCAGGGTCAG
Myh7	GAGACAGAGAATGGCAAGAC	TCCTTGAGATTGTAGAGCAC
Kcnq1	CGCATGGAGGTGCTATGCT	CATTGCTTTGTCCAGCTTGAAC
Trdn	TCACAGAAGACATAGTGACGACG	TGGCAATAGAGCTTGCTGAAA
Casq1	CACCCAAGTCAGGGGTACAG	GTGCCAGCACCTCATACTTCT
Akip1	TGGTCCAGGAAGCATCTATC	CAACCACATGCGTCTTCTTG
Ctgf	GTGCCAGAACGCACACTG	CCCCGGTTACACTCCAAA
Eif4ebp	TGGACAAGAACGAACCCTTCTT	AGGGAGCTTTCCCAAGCACAT
Gapdh	AACATCATCCCTGCATCCAC	CATACTTGGCAGGTTTCTCC

Table S2. Differential gene expression with development between KO and Wt.

Probesets	UniGene ID	Gene_Symbol	d1_ko_vs_wt	d20_ko_vs_wt	d49_ko_vs_wt
1382431_at	Rn.3724	Abca1	1.28	-1.12	1.95
1384469_at	Rn.35782	Abca5	1.9	1.17	1.12
1398250_at	Rn.11326	Acot1	-1.73	-1.49	-1.16
1368182_at	Rn.33697	Acsl6	-1.32	-1.37	-2.29
1372162_at	Rn.98236	Acss1	1.03	-1.49	-1.57
1375944_at	---	Acss2	1.07	-1.2	-1.52
1382481_a_at	Rn.66916	Adam33	-1.08	1.53	1.25
1379586_at	Rn.47386	Adamts19	1.08	1.39	1.63
1392553_at	Rn.13813	Adamtsl5	1.53	1.11	1.24
1374570_at	Rn.55456	Agpat2	-1.08	-1.18	-1.78
1383175_a_at	Rn.106344	Akip1	1.09	1.78	2.69
1385458_a_at	Rn.106344	Akip1	1.08	1.55	2.62
1383176_at	Rn.106344	Akip1	1.09	1.84	2.25
1392938_s_at	Rn.106344	Akip1	1.06	1.43	2.14
1370708_a_at	Rn.10021	Akr1c14	-1.09	1.61	1.19
1386718_at	Rn.132470	Akr1c19	1.16	-1.96	-1.26
1367985_at	Rn.32517	Alas2	-1.21	1.35	2.5
1374303_at	Rn.107582	Alkbh2	-1.3	-1.23	-1.62
1387796_at	Rn.11318	Alox15	-1.67	1.34	1.59
1388924_at	Rn.119611	Angptl4	-2.27	-1.05	-1.64
1373351_at	Rn.26749	Ank2	-1.14	-1.24	-1.63
1391753_at	Rn.3789	Ankrd1	-1.29	1.37	1.92
1394747_at	---	Ankrd1	1.77	1.41	1.6
1377811_at	Rn.94994	Ankrd12	-1.44	-1.61	1.36
1371927_at	---	Ankrd23	1.33	3.15	3.68
1391125_at	Rn.33461	Ap1s3	-1.4	-1.31	1.75
1389651_at	Rn.22847	Apln	-1.93	-1.12	-1.29
1368258_at	Rn.22847	Apln	-1.51	-1.07	-1.36
1376496_at	Rn.2438	Apol9a	1.08	-1.58	-1.47
1368317_at	Rn.11111	Aqp7	-2.18	-1.45	-1.74
1377032_at	Rn.17895	Arhgap15	-1.57	1.11	-1.12
1390938_at	Rn.14693	Arhgap28	1.57	1.03	-1.25
1397960_at	Rn.44741	Armxc3	1.04	1.33	1.59
1380076_at	Rn.45037	Asb18	1.04	1.61	1.94
1391924_at	Rn.54639	Asb5	1.37	1.26	1.51
1387966_at	Rn.22774	Asrgl1	-1.12	-1.09	-1.52
1369268_at	Rn.9664	Atf3	-1.89	2.43	1.19
1387321_at	Rn.48718	Atp1b4	14.68	1.49	1.1
1380730_at	Rn.145952	Atp6v0a2	1.91	1.09	-1.58
1387938_at	Rn.19969	Baalc	-1.29	-1.28	-1.97

1371985_a_at	Rn.25187	Bat5	1.52	-1.02	-2.08
1387832_at	Rn.48791	Bche	-1.06	-1.23	-1.52
1368387_at	Rn.36635	Bdh1	-1.02	1.09	-1.54
1388802_at	Rn.9190	Bex1	1.01	1.86	4.92
1387249_at	Rn.38487	Bik	1.51	-1.23	1.16
1398270_at	Rn.90931	Bmp2	1.61	-1.04	-1.03
1388544_at	Rn.108143	Bpgm	1.04	1.26	1.68
1383551_at	Rn.108143	Bpgm	1.11	1.35	1.68
1395030_at	Rn.19481	Bteb1	-1.09	-1.21	-1.66
1368000_at	Rn.11378	C3	-1.52	1.16	1.03
1379157_at	Rn.9827	Cacna1c	-1.54	1.14	-1.03
1368523_at	Rn.88197	Cadps	-1.36	-1.25	-1.61
1386922_at	Rn.26083	Car2	-1.31	1.28	1.74
1368437_at	Rn.51389	Car4	-1.63	1.01	1.42
1368637_at	Rn.64486	Card9	-1.04	-1.07	-1.88
1388604_at	---	Casq1	1.42	1.83	2.77
1374830_at	Rn.30331	Ccdc3	-1.09	1.12	1.59
1367973_at	Rn.4772	Ccl2	-1.13	-1.55	-1.07
1369983_at	Rn.8019	Ccl5	-1.02	-1.69	1.72
1370346_at	Rn.145413	Ccnb1	1.2	1.58	1.3
1389566_at	Rn.6743	Ccnb2	1.2	2.03	1.41
1373530_at	Rn.15455	Ccne1	-1.55	-1.1	-1.13
1368338_at	Rn.34155	Cd52	1.01	1.39	1.67
1370034_at	Rn.11312	Cdc25b	1.08	1.29	2.34
1374449_at	Rn.3246	Cdca3	-1.1	1.62	1.36
1367776_at	Rn.6934	Cdk1	1.05	1.71	1.61
1372685_at	Rn.107220	Cdkn3	1.27	2.36	1.83
1368248_at	Rn.18983	Cds1	-1.14	-1.23	-1.9
1377967_at	Rn.8884	Cdt1	-1.48	1.06	1.51
1387343_at	Rn.6975	Cebpd	1.01	1.51	1.19
1382493_at	Rn.41236	Cenpf	-1.05	1.62	1.4
1393451_at	Rn.65502	Cenpn	1.01	1.51	1.31
1368545_at	Rn.28010	Cflar	1.16	-1.35	-1.55
1385158_at	Rn.39132	Chmp1b	1.67	1.05	1.37
1378252_at	Rn.18313	Chodl	1.03	1.39	1.57
1384068_at	Rn.50526	Ckap2	1.09	1.57	1.17
1373823_at	Rn.147433	Cks2	1.29	1.92	1.83
1379932_at	Rn.44406	Clcn4-2	-1.01	-1.71	-1.24
1386128_at	Rn.23478	Clec3b	1.44	1.12	-1.69
1383219_at	---	Clip4	-1.55	-1.09	1.02
1376955_at	Rn.22075	Col4a4	1.61	-1.18	1.07
1393891_at	Rn.53843	Col8a1	-1.03	1.13	1.55
1390281_a_at	Rn.25373	Coq10a	-1.25	-1.15	-1.51

1384454_at	---	Cpa6	2.04	1.95	2.07
1397954_at	Rn.25905	Cpd	-1.44	-1.52	-1.67
1379565_at	Rn.23031	Creb3l2	1.2	-1.34	-1.63
1368059_at	Rn.24561	Crym	1.32	1.49	1.88
1370376_a_at	Rn.3306	Csda	-1.01	1.19	1.59
1370282_at	Rn.94754	Csrp2	1.27	2.52	6.61
1367631_at	Rn.17145	Ctgf	-1.31	3.55	2.48
1396855_at	Rn.30004	Cugbp2	-1.05	4.65	-1.08
1379365_at	Rn.13664	Cxcl11	-1.58	-2.1	-2.12
1368801_at	Rn.52859	Cxzc4	1.52	-1.36	-1.03
1383205_at	Rn.100050	Dact2	1.82	1.02	1.05
1396392_at	Rn.3642	Dctn6	1.81	-1.02	-1.06
1368025_at	Rn.9775	Ddit4	1.41	1.38	1.6
1368013_at	Rn.19672	Ddit4l	-1.9	-1.36	-1.58
1390892_at	Rn.14993	Depdc1b	1.71	1.12	1.05
1387224_at	Rn.11413	Dgkb	1.04	1.15	2.43
1379435_at	Rn.6770	Dguok	-2.98	1.94	1.24
1372799_at	Rn.6770	Dguok	-1.53	1.08	-1.07
1389079_at	Rn.81884	Dhrs7c	-1.6	-1.27	-1.56
1383943_at	Rn.16890	Dnah7	-1.12	-1.02	2.19
1376079_at	Rn.40786	Dnajc1	1.23	1.29	2.16
1383846_at	Rn.74088	Dok5	-1.59	-1.5	-1.33
1384005_at	Rn.6666	Dr1	1.52	1.29	1.12
1394385_s_at	Rn.10159	Drd4	-2.11	-1.02	-1.13
1391602_at	Rn.102143	Drg1	1.39	1.15	2.03
1375936_at	Rn.3954	Dsc2	1.06	-1.32	-1.59
1389737_at	Rn.58641	Dtna	2.01	1.01	-1.11
1393104_at	Rn.16239	Dtwd2	1.1	-1.16	-1.53
1383068_at	Rn.95	Dtymk	-1.51	-1.03	1.59
1372359_at	Rn.22231	Dusp26	1.23	1.85	2.04
1368124_at	Rn.10877	Dusp5	1.22	-1.39	-2.09
1386885_at	Rn.6148	Ech1	-1.58	-1.09	-1.19
1383747_at	Rn.27564	Ect2	1.11	1.6	1.16
1395586_at	Rn.144660	Eef1a1	1.61	1.53	-1.07
1376770_at	Rn.12811	Efhd1	-1.73	-1.13	-1.27
1368321_at	Rn.9096	Egr1	-1.51	1.26	1.23
1373876_at	---	Eif4e2	1.25	1.73	1.65
1369736_at	Rn.19723	Emp1	-1.02	1.39	1.62
1373535_at	Rn.12284	Enah	1.47	2.18	2.46
1386907_at	Rn.3443	Eno3	-1.13	1.26	-1.62
1378487_at	Rn.12447	Ep300	-1.01	-1.03	-1.56
1390638_at	Rn.6202	Epha4	2.18	1.2	1.25
1375729_at	Rn.6202	Epha4	1.69	1.26	1.05

1369663_at	Rn.54495	Ephx2	-1.09	-9.78	1.21
1389160_at	Rn.136569	Eraf	-1.25	1.43	1.62
1378518_at	---	Ewsr1	1.25	-1.1	1.61
1369182_at	Rn.9980	F3	-1.03	1.6	1.9
1370044_at	Rn.106419	Faim	-1.51	-1.01	-1.05
1375906_at	Rn.11889	Fam104b	1.09	1.43	1.69
1390151_at	Rn.11889	Fam104b	1.35	1.53	1.52
1371970_at	Rn.112856	Fam111a	1.06	1.71	1.33
1375052_at	Rn.102780	Fam148b	-1.04	1.58	1.89
1390409_at	Rn.17036	Fam160b1	3.09	4.6	3.79
1394940_at	Rn.788	Fam46a	1.17	1.51	2.07
1382907_at	Rn.43033	Fam46c	1.05	1.48	1.61
1376831_at	Rn.35007	Fam64a	1.05	1.56	1.07
1394881_at	Rn.23904	Fam81a	-1.28	-1.13	-1.62
1377655_at	---	Fgf12	1.5	-1.71	-2.37
1390049_at	Rn.54261	Fhl1	1.64	2.58	1.64
1372107_at	---	Fhl1	1.37	1.68	1.31
1393696_at	Rn.43451	Fibin	1.15	1.56	1.72
1373727_at	Rn.43451	Fibin	1.01	1.29	1.58
1383891_a_at	Rn.12917	Flywch1	1.01	1.41	1.55
1367700_at	Rn.8778	Fmod	-1.17	1.49	1.55
1395292_at	Rn.18757	Fndc5	-1.23	-1.19	-1.54
1375043_at	Rn.103750	Fos	-1.53	-1.14	-1.74
1375961_at	Rn.12034	Frzb	1.62	1.1	1.24
1376249_at	Rn.47769	Fuca2	-1.04	-1.45	-1.53
1381904_at	Rn.106790	G7c	1.14	1.05	1.52
1375720_at	Rn.147277	Gabbr1	-1.18	-1.02	1.53
1387088_at	Rn.8929	Gal	1.74	1.04	-1.07
1368253_at	Rn.33890	Gamt	-1.39	-1.3	-1.51
1387221_at	Rn.28195	Gch1	-1.04	1.57	1.35
1368470_at	Rn.10260	Ggh	1.61	1.2	1.1
1369640_at	Rn.10346	Gja1	1.67	-1.02	1.27
1382111_at	Rn.19978	Glod5	1.04	1	1.79
1368879_a_at	Rn.90161	Gnao1	1.55	1.47	2.71
1387906_a_at	Rn.31	Gnas	2.04	1.23	1.02
1379295_at	---	Gngt2	-1.14	-1.17	-1.61
1375911_at	Rn.11612	Gpcpd1	-1.02	-1.38	-1.73
1387670_at	Rn.89705	Gpd2	1.03	-1.13	-1.61
1373773_at	Rn.34370	Gpm6a	-1.93	1.36	1.16
1387052_at	Rn.6318	Gpt	-1.09	-1.54	-1.64
1370813_at	Rn.9158	Gstm5	1	1.27	1.57
1388526_at	Rn.100005	Gstz1	1.08	1	-1.55
1371102_x_at	Rn.144551	Hbb	-1.29	1.05	1.57

1372004_at	Rn.6886	Hebp1	1.26	1.27	1.68
1387756_s_at	Rn.22633	Hemgn	-1.16	1.5	1.72
1370310_at	Rn.29594	Hmgcs2	-1.71	-1.56	-1.15
1370461_at	Rn.92304	Hmmr	1.54	1.39	1.21
1393592_at	Rn.117403	Hs3st5	1.05	-1.17	-3.07
1391423_at	Rn.879	Hsf2	1.49	1.51	1.68
1382598_at	Rn.879	Hsf2	1.29	1.6	1.5
1387430_at	Rn.879	Hsf2	1.39	1.54	1.44
1387047_at	Rn.20155	Hspb3	1.14	1.46	1.75
1374334_at	Rn.102149	Igha	-1.04	-1.05	1.73
1387902_a_at	Rn.126981	Igkc	-1.04	1.01	2.18
1370410_at	Rn.23738	Igsf1	1.32	-1.58	-1.29
1384035_at	Rn.23978	Ildr2	3.06	1.37	1.76
1384036_s_at	Rn.23978	Ildr2	2.08	1.13	1.43
1387366_at	Rn.120615	Ilf3	-1.28	1.13	2.09
1395036_at	Rn.129949	Impad1	1.53	1.09	-1.12
1383564_at	---	Irf7	-1.54	-1.02	-1
1392981_at	Rn.44726	Irx4	1.07	1.06	1.89
1374006_at	Rn.28263	Kat3	1.14	-1.15	-1.57
1379863_at	---	Kcnd2	1.08	-1.26	-1.53
1387476_at	Rn.87841	Kcnd2	1.02	-1.11	-1.83
1369144_a_at	Rn.10540	Kcnd3	-1.01	-1.37	-1.51
1370342_at	Rn.21984	Kcnk2	-1.11	-1.56	-2.35
1368371_at	Rn.9779	Kcnq1	1.04	1.87	1.95
1373722_at	Rn.101107	Kif20a	1.15	1.75	1.38
1391063_at	Rn.63734	Kif23	1.01	1.53	1.17
1386041_a_at	Rn.144973	Klf2	-1.51	1.09	1.35
1392928_at	Rn.105727	L3hypdh	-1.55	-1.33	-1.39
1391022_at	Rn.49634	Lamb3	1.21	1.62	1.22
1387011_at	Rn.11303	Lcn2	-1.37	-1.01	1.76
1376746_at	Rn.137462	Ldhd	-1.06	-1.34	-1.58
1377563_at	Rn.91424	Lmod3	-1.05	-1.21	-1.63
1372385_at	---	LOC100360845	-1.01	1.4	1.53
1388985_at	---	LOC100361467	-1.17	1.51	1
1373355_at	---	LOC100365715	1.56	1.12	-1
1390988_at	---	LOC100365770	-1.34	-1.54	-1.24
1372809_at	Rn.103148	LOC290595	1.58	1.1	1.01
1374148_at	Rn.7290	LOC498009	1.28	1.59	1.65
1389054_at	Rn.29370	LOC498368	-1.07	-1.12	-1.89
1389488_at	Rn.132048	LOC498544	-1.49	1.25	3.03
1381775_at	Rn.34703	LOC499613	1.77	1.1	-1.01
1396323_at	---	LOC681383	-1.64	-1.15	1.05
1382853_at	Rn.148892	LOC683844	-1.06	1.1	-1.53

1374698_at	Rn.139219	LOC687508	-1.04	-1.13	-2.04
1393185_at	Rn.101996	LOC691918	1.23	-1.29	-1.68
1368172_a_at	Rn.11372	Lox	1.24	1.21	1.62
1379374_at	Rn.58355	Lppr4	-2.3	1.05	1.08
1383743_at	Rn.40387	Lrrc16a	1.29	1.18	1.62
1385777_at	Rn.148104	Lysmd4	-1	-1.06	-2.08
1377200_at	Rn.101181	Maea	-1.51	1.02	-1.07
1377831_at	Rn.16867	Maoa	1.12	1.37	1.51
1373363_at	Rn.98152	Map1b	1.1	1.48	1.67
1395357_at	Rn.98152	Map1b	1.11	1.31	1.51
1395172_at	Rn.98152	Map1b	-1.1	1.55	1.26
1389543_at	Rn.131140	Masp1	1.09	-1.69	-1.73
1373333_at	Rn.7539	MGC109340	1.66	1.05	-1.04
1380668_at	Rn.33980	MGC72974	1.58	1.03	1.11
1374775_at	Rn.73551	Mki67	-1.06	1.93	1.48
1379325_at	---	Mkrn1	-1.18	1.24	1.84
1373496_at	Rn.144862	Mkrn1	1.05	1.44	1.68
1376626_at	Rn.144862	Mkrn1	-1.16	1.24	1.65
1373648_at	Rn.147813	Mlip	-1.22	-1.52	-1.57
1371692_at	Rn.144837	Mllt11	1.53	1.35	1.76
1388366_at	Rn.13113	Mrpl4	1.1	-1.11	-1.61
1372828_at	Rn.23802	Msrb2	1.13	2.56	2.22
1371237_a_at	Rn.16133	Mt1a	-1.04	1.12	-1.58
1382748_at	---	Mut	1.05	-1.05	-1.51
1373697_at	Rn.137668	Mybpc2	1.14	1.71	2.63
1378970_at	Rn.139442	Mybphl	1.79	1.01	1.15
1389236_at	Rn.139442	Mybphl	3.04	1.06	1.07
1387049_at	Rn.54399	Myh6	1.86	-1.06	1.02
1367928_at	Rn.127778	Myh7	1.78	1.6	7.12
1386993_at	Rn.127778	Myh7	1.05	1.31	3.92
1370033_at	Rn.84920	Myl1	1.07	1.52	1.31
1371293_at	Rn.138766	Myl4	1.01	2.11	4.83
1371315_at	Rn.3843	Myl7	1.37	-1.14	-1.72
1368355_at	Rn.10640	Myo5b	-1.05	-1.44	-1.61
1391018_at	Rn.63889	Myo5c	-1.1	1.52	1.52
1392950_at	Rn.54704	Myot	1.13	1.82	1.99
1391527_at	Rn.6880	Nab2	-1.01	-1.59	1.05
1379389_at	Rn.11283	Ncam1	1.33	1.25	2.55
1368567_at	Rn.6452	Ndufv3	-1.03	1.26	1.59
1389996_at	Rn.7676	Nek1	-1.72	1.34	1.1
1372433_at	Rn.98692	Ngdn	1.11	1.03	-1.72
1381787_at	Rn.127778	Ngdn	1.01	-1.74	-2.55
1392401_s_at	Rn.127778	Ngdn	-1.06	-2.13	-3.44

1382365_at	Rn.113514	Nlk	-1.11	-1.59	-1.06
1378423_at	Rn.16235	Nmrk2	-1.32	-1.06	-1.6
1376734_at	Rn.29042	Nov	1.76	-1.39	1.12
1367564_at	Rn.2004	Nppa	1.28	1.7	3.1
1367616_at	Rn.3835	Nppb	1.1	1.73	1.17
1387154_at	Rn.9714	Npy	-1.3	2.26	2.07
1370816_at	Rn.29848	Nr1d1	-1.39	-1.56	-1.44
1388340_at	Rn.7233	Ns5atp9	-1.11	1.6	1.14
1369200_at	Rn.40132	Nt5e	1.55	1.02	1.05
1384112_at	Rn.40132	Nt5e	1.69	1.2	-1.02
1393373_at	Rn.15626	Opn3	1.95	1.31	1.36
1384136_at	---	Osbp13	-1.55	1.28	1.43
1377721_at	Rn.14085	Pacrg	-1.05	1.31	1.53
1367888_at	Rn.19780	Pcdh21	1.62	1.21	-1.01
1387521_at	Rn.122017	Pdcd4	1.67	1.74	1.21
1383327_at	---	Pdcd4	1.8	1.74	1.2
1383328_x_at	Rn.122017	Pdcd4	1.85	1.9	1.2
1383326_a_at	Rn.122017	Pdcd4	1.46	1.56	1.04
1396062_at	Rn.55968	Pdp2	1.33	-1.11	-1.52
1367949_at	Rn.10015	Penk	1.08	1.69	3.54
1371250_at	Rn.6800	Pf4	-1.48	2.22	2.57
1392499_at	---	Pfas	-1.07	-1.3	1.55
1367951_at	Rn.9738	Pgam2	-1.82	-1.37	-1.64
1397478_at	---	Phb2	-1.76	1.27	1.18
1371974_at	Rn.32623	Phyhd1	1	-1.22	-1.63
1369050_at	Rn.14870	Pik3c2g	-1.27	-2.07	-1.07
1378699_at	Rn.3365	Pkhd11l1	1.12	-1.24	-1.56
1392308_at	Rn.109549	Pla2g2d	-1.14	-1.79	-1.75
1368360_at	Rn.20178	Plg	1.58	1	-1.01
1372856_at	Rn.29462	Plin4	-1.6	-1.16	-1.03
1381722_at	Rn.54204	Plin5	-1.93	-1.21	-1.71
1387098_at	Rn.24877	Polr1a	-1.03	-1.06	-1.51
1398875_at	Rn.92563	Polr3k	-1.53	-1	-1.02
1383787_at	Rn.133542	Popdc3	1.2	1.36	1.52
1373911_at	Rn.30516	Postn	-1.05	1.12	2.34
1384262_at	Rn.30046	Ppp1r3b	-1.05	-1.53	-1.06
1392899_at	Rn.138438	Prc1	1.17	1.76	1.41
1371578_at	Rn.20	Prkaca	-1.03	-1.61	2.2
1384924_at	Rn.94278	Prnd	-1.79	1.32	1.21
1372920_at	---	Prodh	1.07	-1.56	-1.45
1379747_at	Rn.22637	Prss35	-2.84	-1.1	-1.15
1367851_at	Rn.11400	Ptgds	-1.53	-1.14	-1.54
1369127_a_at	Rn.97602	Ptgfr	1.07	1.15	1.57

1393670_at	Rn.61069	Ptpn14	1.06	-1.44	-1.51
1395148_at	Rn.99077	Ptprd	-1.52	-1.26	-1.04
1368358_a_at	Rn.6277	Ptpr	-1.03	-1.17	-1.68
1393421_at	Rn.7752	Pxmp4	1.11	-1.51	-1.53
1383117_at	Rn.7752	Pxmp4	1.28	-2.65	-4.15
1370061_at	Rn.3788	Rab3b	-1.54	-1.93	-2.98
1373658_at	Rn.101301	Racgap1	1.02	1.67	-1.02
1371081_at	Rn.42890	Rapgef4	1.6	1.13	1.02
1374863_at	Rn.13092	Rbp7	-1.23	-1.16	-1.52
1388686_at	Rn.12942	Rcan1	-1	1.73	1.26
1375542_at	Rn.18894	Rdx	1.67	-1.37	-1.01
1372387_at	Rn.129276	Rec114	-1.01	1.12	1.67
1368238_at	Rn.9727	Reg3b	1.09	1.26	1.99
1370631_at	Rn.9729	Reg3g	1.07	1.84	2.67
1392189_at	Rn.147753	Rfx4	1.31	-1.33	-2.73
1390824_at	---	RGD1304963	-1.34	-1.28	-1.51
1372646_at	Rn.16593	RGD1305645	1.03	1.3	1.55
1377451_at	Rn.76730	RGD1305704	1.07	1.63	4.07
1377355_at	Rn.54355	RGD1306750	-1	-1.55	-1.34
1380407_at	Rn.106999	RGD1310352	-1.8	1.03	-1.04
1398577_at	Rn.140256	RGD1310507	1.27	-1.44	-2.23
1394363_at	Rn.4181	Riok3	1.2	1.53	1.09
1381279_at	Rn.139983	Ripk2	1.52	1.18	-1.4
1381533_at	Rn.2319	Rnd1	1.61	1.65	1.77
1376884_a_at	Rn.105722	Rpl3l	1.09	-1.53	-1.26
1373427_at	Rn.23439	Rragd	-1.2	-1.17	-1.58
1389408_at	Rn.101236	Rrm2	-1.08	2.36	2.41
1370882_at	Rn.5892	RT1-DMb	-1.52	-1.07	-1.09
1388694_at	---	RT1-T24-3	-2.27	1.07	3.77
1372527_at	Rn.3210	Rtn2	-1.15	-1.2	-1.6
1370981_at	Rn.40816	Rxrg	-2.38	-1.41	-1.56
1398479_at	Rn.20282	Ryr3	1.98	1.06	-1.07
1367846_at	Rn.504	S100a4	-1.16	1.15	1.53
1387125_at	Rn.6703	S100a9	-1.23	-1.15	1.68
1392647_at	Rn.9392	Saal1	3.02	1.02	-1.11
1386685_at	Rn.19788	Sacs	1.15	1.56	1.1
1383435_at	Rn.3402	Scn3b	1.43	1.77	1.46
1373188_at	Rn.22230	Scn4b	-1.01	-1.89	-5.26
1388035_a_at	Rn.32074	Scn5a	1.6	-1.15	-1.03
1392963_at	Rn.103706	Scrn1	1.98	-1.04	-1.04
1387671_at	Rn.32256	Sctr	-1.11	-1.11	-3.96
1386296_at	Rn.23507	Sept8	-1.06	1.33	1.71
1390119_at	Rn.102416	Sfrp2	-1.26	1.19	1.81

1389491_at	Rn.22391	Sfxn5	1.08	-1.3	-1.69
1375621_at	---	Sfxn5	-1.03	-1.35	-1.81
1373874_at	Rn.8423	Sgpp1	1.7	1.14	1.05
1380435_at	Rn.108120	Shoc2	1.66	1.01	1.07
1379261_at	Rn.40571	Ska2	-1.68	-1.17	-1.15
1376267_at	Rn.54795	Slc16a6	1.52	1.06	-1.27
1376860_at	Rn.45804	Slc22a23	-1.04	-1.1	-1.79
1378355_a_at	Rn.38431	Slc24a4	1.52	1.16	-1.03
1395340_at	---	Slc30a9	1.51	1.29	1.1
1373227_at	---	Slc35a2	1.33	1.33	1.68
1368440_at	Rn.11196	Slc3a1	1.31	1.14	-2.18
1387656_at	Rn.32202	Slc4a1	1.1	1.4	1.59
1368772_at	Rn.87739	Slc4a3	1.02	-1.25	-1.64
1379107_at	Rn.11114	Slc4a4	-1.52	-1.09	1.03
1372889_at	Rn.9671	Slco2a1	1.76	1.03	1.17
1374391_at	Rn.16457	Sln	10.68	1.61	1.95
1373659_at	Rn198906	Smim5	-1.55	-1.29	-1.82
1392965_a_at	Rn.6092	Smoc2	-1.57	1.16	1.26
1367977_at	Rn.1827	Snca	1.2	1.81	2.01
1395221_at	Rn.30138	Snx13	1.62	-1.14	1.12
1384000_at	Rn.15099	Sox4	1.21	1.01	1.51
1386212_at	Rn.44157	Spta1	-1.03	-1.02	2.18
1395201_at	Rn.49097	Sspn	-1.74	-1.05	-1.11
1388948_at	Rn.143765	Stard10	2.3	1.01	-1.12
1377404_at	Rn.10647	Stc1	-1.05	1.21	2.13
1396101_at	Rn.10647	Stc1	1.28	1.25	1.97
1368372_at	Rn.6312	Sts	1.01	-1.3	-1.56
1370019_at	Rn.1507	Sult1a1	1.64	1.03	1.01
1374012_at	Rn.6456	Sypl2	1.23	1.19	1.51
1383994_at	---	Syt3	1.11	1.49	2.02
1390107_at	Rn.7634	Syt12	2.24	1.52	1.16
1382215_at	Rn.2882	Taf4b	1.13	-1.38	-1.67
1388611_at	Rn.11547	Tcea3	-1.63	-1.29	-1.25
1378857_at	Rn.9190	Tcea5	1.04	1.33	1.95
1397133_at	Rn.146333	Tdrd1	1.02	1.2	1.86
1376425_at	Rn.24539	Tgfb2	1.52	1.7	2.33
1392382_at	Rn.24539	Tgfb2	1.68	1.41	1.8
1387172_a_at	Rn.24539	Tgfb2	1.65	1.61	1.79
1388138_at	Rn.11207	Thbs4	1.15	1.49	2.79
1385407_at	Rn.24217	Tiparp	1.03	-1.56	-1.21
1395343_at	Rn.17150	Tm9sf3	1.15	1.73	1.22
1372407_at	Rn.22474	Tmod4	-1.09	-1.62	-1.4
1398407_at	Rn.116157	Tnfaip8	1.01	-1.14	-1.84

1371785_at	Rn.105040	Tnfrsf12a	1.38	2.27	1.9
1386873_at	Rn.4035	Tnni1	1.1	1.6	1.34
1371339_at	Rn.4035	Tnni1	1.1	1.57	1.13
1370412_at	Rn.13846	Tnnt1	1.63	1.57	1.31
1382579_at	Rn.41060	Tox3	1.28	1.34	1.56
1372626_at	Rn.24825	Tpd52l1	1.79	1.08	-1.28
1392976_at	Rn.146072	Tpm2	-1	1.04	1.98
1370198_at	Rn.41863	Trdn	1.04	-1.25	-2.76
1384737_at	Rn.41863	Trdn	-1.47	-1.92	-3.92
1376302_at	Rn.34382	Trim25	-1.2	1.23	1.64
1397222_at	Rn.48210	Trim39	-1.78	1.16	1.19
1394972_at	Rn.146598	Trove2	1.59	1.09	1.17
1382151_at	Rn.24324	Trub1	1.47	1.53	1.42
1374529_at	Rn.7271	TSP-2	1.02	1.53	2.05
1394109_at	Rn.7271	TSP-2	1.02	1.51	1.71
1375057_at	Rn.52417	Tspan18	1.69	1.39	1.77
1376668_at	Rn.24241	Ttc39a	-1.07	-1.58	-1.57
1386437_at	Rn.143816	Txlnb	-1.71	-1.09	-1.23
1391861_at	Rn.143816	Txlnb	-1.58	-1.08	-1.37
1388484_at	Rn.3102	Ube2c	1.07	1.48	1.52
1382958_at	Rn.9902	Ucp3	-1.04	-2.22	-1.02
1384456_at	Rn.74199	Usp24	-1.44	-1	-1.83
1368474_at	Rn.11267	Vcam1	1.15	-1.53	-1.06
1377437_at	Rn.17986	Veph1	-1.59	-1.26	-1.33
1373248_at	Rn.114291	Vsig10	1.57	1.28	1.34
1368854_at	Rn.105934	Vsnl1	5.45	1.14	-1.29
1383933_at	Rn.12947	Vwa8	-1.39	1.1	-1.52
1389857_at	Rn.6930	Wbp5	1.14	1.26	1.75
1369973_at	Rn.129174	Xdh	2.07	-1.16	1.09
1380094_a_at	Rn.24179	Zfp212	1.87	-1.92	-2.15
1389774_at	Rn.6474	Znf23	1.13	1.48	2.41
1387293_at	Rn.10891	Zp2	1.77	1.16	1.46

Table S3. Differential gene expression at d1 between KO and Wt.

Probesets	UniGene ID	Gene_Symbol	d1_ko_vs_wt
1384469_at	Rn.35782	Abca5	1.9
1392553_at	Rn.13813	Adamts15	1.53
1394747_at	---	Ankrd1	1.77
1390938_at	Rn.14693	Arhgap28	1.57
1387321_at	Rn.48718	Atp1b4	14.68
1380730_at	Rn.145952	Atp6v0a2	1.91
1371985_a_at	Rn.25187	Bat5	1.52
1387249_at	Rn.38487	Bik	1.51
1398270_at	Rn.90931	Bmp2	1.61
1385158_at	Rn.39132	Chmp1b	1.67
1376955_at	Rn.22075	Col4a4	1.61
1384454_at	---	Cpa6	2.04
1368801_at	Rn.52859	Cxxc4	1.52
1383205_at	Rn.100050	Dact2	1.82
1396392_at	Rn.3642	Dctn6	1.81
1390892_at	Rn.14993	Depdc1b	1.71
1384005_at	Rn.6666	Dr1	1.52
1389737_at	Rn.58641	Dtna	2.01
1395586_at	Rn.144660	Eef1a1	1.61
1390638_at	Rn.6202	Epha4	2.18
1375729_at	Rn.6202	Epha4	1.69
1390409_at	Rn.17036	Fam160b1	3.09
1377655_at	---	Fgf12	1.5
1390049_at	Rn.54261	Fhl1	1.64
1375961_at	Rn.12034	Frzb	1.62
1387088_at	Rn.8929	Gal	1.74
1368470_at	Rn.10260	Ggh	1.61
1369640_at	Rn.10346	Gja1	1.67
1368879_a_at	Rn.90161	Gnao1	1.55
1387906_a_at	Rn.31	Gnas	2.04
1370461_at	Rn.92304	Hmmr	1.54
1384035_at	Rn.23978	Ildr2	3.06
1384036_s_at	Rn.23978	Ildr2	2.08
1395036_at	Rn.129949	Impad1	1.53
1373355_at	---	LOC100365715	1.56
1372809_at	Rn.103148	LOC290595	1.58
1381775_at	Rn.34703	LOC499613	1.77
1373333_at	Rn.7539	MGC109340	1.66
1380668_at	Rn.33980	MGC72974	1.58
1371692_at	Rn.144837	Mllt11	1.53

1378970_at	Rn.139442	Mybphl	1.79
1389236_at	Rn.139442	Mybphl	3.04
1387049_at	Rn.54399	Myh6	1.86
1367928_at	Rn.127778	Myh7	1.78
1376734_at	Rn.29042	Nov	1.76
1369200_at	Rn.40132	Nt5e	1.55
1384112_at	Rn.40132	Nt5e	1.69
1393373_at	Rn.15626	Opn3	1.95
1367888_at	Rn.19780	Pcdh21	1.62
1387521_at	Rn.122017	Pdcd4	1.67
1383327_at	---	Pdcd4	1.8
1383328_x_at	Rn.122017	Pdcd4	1.85
1368360_at	Rn.20178	Plg	1.58
1371081_at	Rn.42890	Rapgef4	1.6
1375542_at	Rn.18894	Rdx	1.67
1373248_at	Rn.114291	RGD1565800	1.57
1381279_at	Rn.139983	Ripk2	1.52
1381533_at	Rn.2319	Rnd1	1.61
1398479_at	Rn.20282	Ryr3	1.98
1392647_at	Rn.9392	Saal1	3.02
1388035_a_at	Rn.32074	Scn5a	1.6
1392963_at	Rn.103706	Scrn1	1.98
1373874_at	Rn.8423	Sgpp1	1.7
1380435_at	Rn.108120	Shoc2	1.66
1376267_at	Rn.54795	Slc16a6	1.52
1378355_a_at	Rn.38431	Slc24a4	1.52
1395340_at	---	Slc30a9	1.51
1372889_at	Rn.9671	Slco2a1	1.76
1374391_at	Rn.16457	Sln	10.68
1395221_at	Rn.30138	Snx13	1.62
1388948_at	Rn.143765	Stard10	2.3
1370019_at	Rn.1507	Sult1a1	1.64
1390107_at	Rn.7634	Syt12	2.24
1376425_at	Rn.24539	Tgfb2	1.52
1392382_at	Rn.24539	Tgfb2	1.68
1387172_a_at	Rn.24539	Tgfb2	1.65
1370412_at	Rn.13846	Tnnt1	1.63
1372626_at	Rn.24825	Tpd5211	1.79
1394972_at	Rn.146598	Trove2	1.59
1375057_at	Rn.52417	Tspan18	1.69
1368854_at	Rn.105934	Vsn1	5.45
1369973_at	Rn.129174	Xdh	2.07
1380094_a_at	Rn.24179	Zfp212	1.87

1387293_at

Rn.10891

Zp2

1.77

Table S4. Differential gene expression at d20 between KO and Wt

Probesets	UniGene ID	Gene_Symbol	d20_ko_vs_wt
1382481_a_at	Rn.66916	Adam33	1.53
1383175_a_at	Rn.106344	Akip1	1.78
1385458_a_at	Rn.106344	Akip1	1.55
1383176_at	Rn.106344	Akip1	1.84
1370708_a_at	Rn.10021	Akr1c14	1.61
1386718_at	Rn.132470	Akr1c19	-1.96
1377811_at	Rn.94994	Ankrd12	-1.61
1371927_at	---	Ankrd23	3.15
1376496_at	Rn.2438	Apol9a	-1.58
1380076_at	Rn.45037	Asb18	1.61
1369268_at	Rn.9664	Atf3	2.43
1388802_at	Rn.9190	Bex1	1.86
1388604_at	---	Casq1	1.83
1367973_at	Rn.4772	Ccl2	-1.55
1369983_at	Rn.8019	Ccl5	-1.69
1370346_at	Rn.145413	Ccnb1	1.58
1389566_at	Rn.6743	Ccnb2	2.03
1374449_at	Rn.3246	Cdca3	1.62
1367776_at	Rn.6934	Cdk1	1.71
1372685_at	Rn.107220	Cdkn3	2.36
1387343_at	Rn.6975	Cebpd	1.51
1382493_at	Rn.41236	Cenpf	1.62
1393451_at	Rn.65502	Cenpn	1.51
1384068_at	Rn.50526	Ckap2	1.57
1373823_at	Rn.147433	Cks2	1.92
1379932_at	Rn.44406	Clcn4-2	-1.71
1384454_at	---	Cpa6	1.95
1397954_at	Rn.25905	Cpd	-1.52
1370282_at	Rn.94754	Csrp2	2.52
1367631_at	Rn.17145	Ctgf	3.55
1396855_at	Rn.30004	Cugbp2	4.65
1379365_at	Rn.13664	Cxcl11	-2.1
1379435_at	Rn.6770	Dguok	1.94
1372359_at	Rn.22231	Dusp26	1.85
1383747_at	Rn.27564	Ect2	1.6
1395586_at	Rn.144660	Eef1a1	1.53
1373876_at	---	Eif4e2	1.73
1373535_at	Rn.12284	Enah	2.18
1369663_at	Rn.54495	Ephx2	-9.78

1369182_at	Rn.9980	F3	1.6
1390151_at	Rn.11889	Fam104b	1.53
1371970_at	Rn.112856	Fam111a	1.71
1375052_at	Rn.102780	Fam148b	1.58
1390409_at	Rn.17036	Fam160b1	4.6
1394940_at	Rn.788	Fam46a	1.51
1376831_at	Rn.35007	Fam64a	1.56
1377655_at	---	Fgf12	-1.71
1390049_at	Rn.54261	Fhl1	2.58
1372107_at	---	Fhl1	1.68
1393696_at	Rn.43451	Fibin	1.56
1387221_at	Rn.28195	Gch1	1.57
1387052_at	Rn.6318	Gpt	-1.54
1387756_s_at	Rn.22633	Hemgn	1.5
1370310_at	Rn.29594	Hmgcs2	-1.56
1391423_at	Rn.879	Hsf2	1.51
1382598_at	Rn.879	Hsf2	1.6
1387430_at	Rn.879	Hsf2	1.54
1370410_at	Rn.23738	Igsf1	-1.58
1370342_at	Rn.21984	Kcnk2	-1.56
1368371_at	Rn.9779	Kcnq1	1.87
1373722_at	Rn.101107	Kif20a	1.75
1391063_at	Rn.63734	Kif23	1.53
1391022_at	Rn.49634	Lamb3	1.62
1388985_at	---	LOC100361467	1.51
1390988_at	---	LOC100365770	-1.54
1374148_at	Rn.7290	LOC498009	1.59
1395172_at	Rn.98152	Map1b	1.55
1389543_at	Rn.131140	Masp1	-1.69
1374775_at	Rn.73551	Mki67	1.93
1373648_at	Rn.147813	Mlip	-1.52
1372828_at	Rn.23802	Msrb2	2.56
1373697_at	Rn.137668	Mybpc2	1.71
1367928_at	Rn.127778	Myh7	1.6
1370033_at	Rn.84920	Myl1	1.52
1371293_at	Rn.138766	Myl4	2.11
1391018_at	Rn.63889	Myo5c_predicted	1.52
1392950_at	Rn.54704	Myot	1.82
1391527_at	Rn.6880	Nab2	-1.59
1381787_at	Rn.127778	Ngdn	-1.74
1392401_s_at	Rn.127778	Ngdn	-2.13
1382365_at	Rn.113514	Nlk	-1.59
1367564_at	Rn.2004	Nppa	1.7

1367616_at	Rn.3835	Nppb	1.73
1387154_at	Rn.9714	Npy	2.26
1370816_at	Rn.29848	Nr1d1	-1.56
1388340_at	Rn.7233	Ns5atp9	1.6
1387521_at	Rn.122017	Pdcd4	1.74
1383327_at	---	Pdcd4	1.74
1383328_x_at	Rn.122017	Pdcd4	1.9
1383326_a_at	Rn.122017	Pdcd4	1.56
1367949_at	Rn.10015	Penk	1.69
1371250_at	Rn.6800	Pf4	2.22
1369050_at	Rn.14870	Pik3c2g	-2.07
1392308_at	Rn.109549	Pla2g2d	-1.79
1384262_at	Rn.30046	Ppp1r3b	-1.53
1392899_at	Rn.138438	Prc1	1.76
1371578_at	Rn.20	Prkaca	-1.61
1372920_at	---	Prodh	-1.56
1393421_at	Rn.7752	Pxmp4	-1.51
1383117_at	Rn.7752	Pxmp4	-2.65
1370061_at	Rn.3788	Rab3b	-1.93
1373658_at	Rn.101301	Racgap1	1.67
1388686_at	Rn.12942	Rcan1	1.73
1370631_at	Rn.9729	Reg3g	1.84
1377451_at	Rn.76730	RGD1305704	1.63
1377355_at	Rn.54355	RGD1306750	-1.55
1383846_at	Rn.74088	RGD1562846	-1.5
1394363_at	Rn.4181	Riok3	1.53
1381533_at	Rn.2319	Rnd1	1.65
1376884_a_at	Rn.105722	Rpl3l	-1.53
1389408_at	Rn.101236	Rrm2	2.36
1386685_at	Rn.19788	Sacs	1.56
1383435_at	Rn.3402	Scn3b	1.77
1373188_at	Rn.22230	Scn4b	-1.89
1374391_at	Rn.16457	Sln	1.61
1367977_at	Rn.1827	Snca	1.81
1390107_at	Rn.7634	Syt12	1.52
1376425_at	Rn.24539	Tgfb2	1.7
1387172_a_at	Rn.24539	Tgfb2	1.61
1385407_at	Rn.24217	Tiparp_predicted	-1.56
1395343_at	Rn.17150	Tm9sf3	1.73
1372407_at	Rn.22474	Tmod4	-1.62
1371785_at	Rn.105040	Tnfrsf12a	2.27
1386873_at	Rn.4035	Tnni1	1.6
1371339_at	Rn.4035	Tnni1	1.57

1370412_at	Rn.13846	Tnnt1	1.57
1384737_at	Rn.41863	Trdn	-1.92
1382151_at	Rn.24324	Trub1	1.53
1374529_at	Rn.7271	TSP-2	1.53
1394109_at	Rn.7271	TSP-2	1.51
1376668_at	Rn.24241	Ttc39a	-1.58
1382958_at	Rn.9902	Ucp3	-2.22
1368474_at	Rn.11267	Vcam1	-1.53
1380094_a_at	Rn.24179	Zfp212	-1.92

Table S5. Differential gene expression at d49 between KO and Wt

Probesets	UniGene ID	Gene_Symbol	d49_ko_vs_wt
1382431_at	Rn.3724	Abca1	1.95
1368182_at	Rn.33697	Acsl6	-2.29
1372162_at	Rn.98236	Acss1	-1.57
1375944_at	---	Acss2	-1.52
1379586_at	Rn.47386	Adamts19	1.63
1374570_at	Rn.55456	Agpat2	-1.78
1383175_a_at	Rn.106344	Akip1	2.69
1385458_a_at	Rn.106344	Akip1	2.62
1383176_at	Rn.106344	Akip1	2.25
1392938_s_at	Rn.106344	Akip1	2.14
1367985_at	Rn.32517	Alas2	2.5
1374303_at	Rn.107582	Alkbh2	-1.62
1387796_at	Rn.11318	Alox15	1.59
1388924_at	Rn.119611	Angptl4	-1.64
1373351_at	Rn.26749	Ank2	-1.63
1391753_at	Rn.3789	Ankrd1	1.92
1394747_at	---	Ankrd1	1.6
1371927_at	---	Ankrd23	3.68
1391125_at	Rn.33461	Ap1s3	1.75
1368317_at	Rn.11111	Aqp7	-1.74
1397960_at	Rn.44741	Armcx3	1.59
1380076_at	Rn.45037	Asb18	1.94
1391924_at	Rn.54639	Asb5	1.51
1387966_at	Rn.22774	Asrgl1	-1.52
1378423_at	Rn.16235	Atcay_predicted	-1.6
1380730_at	Rn.145952	Atp6v0a2	-1.58
1387938_at	Rn.19969	Balc	-1.97
1371985_a_at	Rn.25187	Bat5	-2.08
1387832_at	Rn.48791	Bche	-1.52
1368387_at	Rn.36635	Bdh1	-1.54
1388802_at	Rn.9190	Bex1	4.92
1388544_at	Rn.108143	Bpgm	1.68
1383551_at	Rn.108143	Bpgm	1.68
1395030_at	Rn.19481	Bteb1	-1.66
1368523_at	Rn.88197	Cadps	-1.61
1386922_at	Rn.26083	Car2	1.74
1368637_at	Rn.64486	Card9	-1.88
1388604_at	---	Casq1	2.77
1374830_at	Rn.30331	Ccdc3	1.59
1369983_at	Rn.8019	Ccl5	1.72

1368338_at	Rn.34155	Cd52	1.67
1370034_at	Rn.11312	Cdc25b	2.34
1367776_at	Rn.6934	Cdk1	1.61
1372685_at	Rn.107220	Cdkn3	1.83
1368248_at	Rn.18983	Cds1	-1.9
1377967_at	Rn.8884	Cdt1	1.51
1368545_at	Rn.28010	Cflar	-1.55
1378252_at	Rn.18313	Chodl	1.57
1373823_at	Rn.147433	Cks2	1.83
1393891_at	Rn.53843	Col8a1	1.55
1390281_a_at	Rn.25373	Coq10a	-1.51
1384454_at	---	Cpa6	2.07
1397954_at	Rn.25905	Cpd	-1.67
1379565_at	Rn.23031	Creb3l2	-1.63
1368059_at	Rn.24561	Crym	1.88
1370376_a_at	Rn.3306	Csda	1.59
1370282_at	Rn.94754	Csrp2	6.61
1367631_at	Rn.17145	Ctgf	2.48
1379365_at	Rn.13664	Cxcl11	-2.12
1368025_at	Rn.9775	Ddit4	1.6
1368013_at	Rn.19672	Ddit4l	-1.58
1387224_at	Rn.11413	Dgkb	2.43
1389079_at	Rn.81884	Dhrs7c	-1.56
1383943_at	Rn.16890	Dnah7	2.19
1376079_at	Rn.40786	Dnajc1	2.16
1391602_at	Rn.102143	Drg1	2.03
1375936_at	Rn.3954	Dsc2	-1.59
1393104_at	Rn.16239	Dtwd2	-1.53
1383068_at	Rn.95	Dtymk	1.59
1372359_at	Rn.22231	Dusp26	2.04
1368124_at	Rn.10877	Dusp5	-2.09
1373876_at	---	Eif4e2	1.65
1369736_at	Rn.19723	Emp1	1.62
1373535_at	Rn.12284	Enah	2.46
1386907_at	Rn.3443	Eno3	-1.62
1378487_at	Rn.12447	Ep300	-1.56
1389160_at	Rn.136569	Eraf	1.62
1378518_at	---	Ewsr1	1.61
1369182_at	Rn.9980	F3	1.9
1375906_at	Rn.11889	Fam104b	1.69
1390151_at	Rn.11889	Fam104b	1.52
1375052_at	Rn.102780	Fam148b	1.89
1390409_at	Rn.17036	Fam160b1	3.79

1394940_at	Rn.788	Fam46a	2.07
1382907_at	Rn.43033	Fam46c	1.61
1394881_at	Rn.23904	Fam81a	-1.62
1377655_at	---	Fgf12	-2.37
1390049_at	Rn.54261	Fhl1	1.64
1393696_at	Rn.43451	Fibin	1.72
1373727_at	Rn.43451	Fibin	1.58
1383891_a_at	Rn.12917	Flywch1	1.55
1367700_at	Rn.8778	Fmod	1.55
1395292_at	Rn.18757	Fndc5	-1.54
1375043_at	Rn.103750	Fos	-1.74
1376249_at	Rn.47769	Fuca2	-1.53
1381904_at	Rn.106790	G7c	1.52
1375720_at	Rn.147277	Gabbr1	1.53
1368253_at	Rn.33890	Gamt	-1.51
1382111_at	Rn.19978	Glod5	1.79
1368879_a_at	Rn.90161	Gnao1	2.71
1379295_at	---	Gngt2	-1.61
1375911_at	Rn.11612	Gpcpd1	-1.73
1387670_at	Rn.89705	Gpd2	-1.61
1387052_at	Rn.6318	Gpt	-1.64
1370813_at	Rn.9158	Gstm5	1.57
1388526_at	Rn.100005	Gstz1	-1.55
1371102_x_at	Rn.144551	Hbb	1.57
1372004_at	Rn.6886	Hebp1	1.68
1387756_s_at	Rn.22633	Hemgn	1.72
1393592_at	Rn.117403	Hs3st5	-3.07
1391423_at	Rn.879	Hsf2	1.68
1382598_at	Rn.879	Hsf2	1.5
1387047_at	Rn.20155	Hspb3	1.75
1374334_at	Rn.102149	Igha	1.73
1387902_a_at	Rn.126981	Igkc	2.18
1384035_at	Rn.23978	Ildr2	1.76
1387366_at	Rn.120615	Ilf3	2.09
1392981_at	Rn.44726	Irx4	1.89
1374006_at	Rn.28263	Kat3	-1.57
1379863_at	---	Kcnd2	-1.53
1387476_at	Rn.87841	Kcnd2	-1.83
1369144_a_at	Rn.10540	Kcnd3	-1.51
1370342_at	Rn.21984	Kcnk2	-2.35
1368371_at	Rn.9779	Kcnq1	1.95
1387011_at	Rn.11303	Lcn2	1.76
1376746_at	Rn.137462	Ldhd	-1.58

1377563_at	Rn.91424	Lmod3	-1.63
1372385_at	---	LOC100360845	1.53
1374148_at	Rn.7290	LOC498009	1.65
1389054_at	Rn.29370	LOC498368	-1.89
1389488_at	Rn.132048	LOC498544	3.03
1382853_at	Rn.148892	LOC683844	-1.53
1374698_at	Rn.139219	LOC687508	-2.04
1393185_at	Rn.101996	LOC691918	-1.68
1368172_a_at	Rn.11372	Lox	1.62
1383743_at	Rn.40387	Lrrc16a	1.62
1385777_at	Rn.148104	Lysmd4	-2.08
1377831_at	Rn.16867	Maoa	1.51
1373363_at	Rn.98152	Map1b	1.67
1395357_at	Rn.98152	Map1b	1.51
1389543_at	Rn.131140	Masp1	-1.73
1379325_at	---	Mktn1	1.84
1373496_at	Rn.144862	Mktn1	1.68
1376626_at	Rn.144862	Mktn1	1.65
1373648_at	Rn.147813	Mlip	-1.57
1371692_at	Rn.144837	Mllt11	1.76
1388366_at	Rn.13113	Mrpl4	-1.61
1372828_at	Rn.23802	Msrp2	2.22
1371237_a_at	Rn.16133	Mt1a	-1.58
1382748_at	---	Mut	-1.51
1373697_at	Rn.137668	Mybpc2	2.63
1367928_at	Rn.127778	Myh7	7.12
1386993_at	Rn.127778	Myh7	3.92
1371293_at	Rn.138766	Myl4	4.83
1371315_at	Rn.3843	Myl7	-1.72
1368355_at	Rn.10640	Myo5b	-1.61
1391018_at	Rn.63889	Myo5c_predicted	1.52
1392950_at	Rn.54704	Myot	1.99
1379389_at	Rn.11283	Ncam1	2.55
1368567_at	Rn.6452	Ndufv3	1.59
1372433_at	Rn.98692	Ngdn	-1.72
1381787_at	Rn.127778	Ngdn	-2.55
1392401_s_at	Rn.127778	Ngdn	-3.44
1367564_at	Rn.2004	Nppa	3.1
1387154_at	Rn.9714	Npy	2.07
1377721_at	Rn.14085	Pacrg	1.53
1396062_at	Rn.55968	Pdp2	-1.52
1367949_at	Rn.10015	Penk	3.54
1371250_at	Rn.6800	Pf4	2.57

1392499_at	---	Pfas	1.55
1367951_at	Rn.9738	Pgam2	-1.64
1371974_at	Rn.32623	Phyhd1	-1.63
1378699_at	Rn.3365	Pkhd11	-1.56
1392308_at	Rn.109549	Pla2g2d	-1.75
1381722_at	Rn.54204	Plin5	-1.71
1387098_at	Rn.24877	Polr1a	-1.51
1383787_at	Rn.133542	Popdc3	1.52
1373911_at	Rn.30516	Postn	2.34
1371578_at	Rn.20	Prkaca	2.2
1367851_at	Rn.11400	Ptgds	-1.54
1369127_a_at	Rn.97602	Ptgfr	1.57
1393670_at	Rn.61069	Ptpn14	-1.51
1368358_a_at	Rn.6277	Ptprr	-1.68
1393421_at	Rn.7752	Pxmp4	-1.53
1383117_at	Rn.7752	Pxmp4	-4.15
1370061_at	Rn.3788	Rab3b	-2.98
1374863_at	Rn.13092	Rbp7	-1.52
1368238_at	Rn.9727	Reg3b	1.99
1370631_at	Rn.9729	Reg3g	2.67
1392189_at	Rn.147753	Rfx4	-2.73
1390824_at	---	RGD1304963	-1.51
1372646_at	Rn.16593	RGD1305645	1.55
1377451_at	Rn.76730	RGD1305704	4.07
1383933_at	Rn.12947	RGD1308772	-1.52
1398577_at	Rn.140256	RGD1310507	-2.23
1372387_at	Rn.129276	RGD1311874	1.67
1382215_at	Rn.2882	RGD1562997	-1.67
1381533_at	Rn.2319	Rnd1	1.77
1373427_at	Rn.23439	Rragd	-1.58
1389408_at	Rn.101236	Rrm2	2.41
1388694_at	---	RT1-T24-3	3.77
1372527_at	Rn.3210	Rtn2	-1.6
1370981_at	Rn.40816	Rxrg	-1.56
1367846_at	Rn.504	S100a4	1.53
1387125_at	Rn.6703	S100a9	1.68
1373188_at	Rn.22230	Scn4b	-5.26
1387671_at	Rn.32256	Sctr	-3.96
1386296_at	Rn.23507	Sept8_predicted	1.71
1390119_at	Rn.102416	Sfrp2	1.81
1389491_at	Rn.22391	Sfxn5	-1.69
1375621_at	---	Sfxn5	-1.81
1376860_at	Rn.45804	Slc22a23	-1.79

1373227_at	---	Slc35a2	1.68
1368440_at	Rn.11196	Slc3a1	-2.18
1387656_at	Rn.32202	Slc4a1	1.59
1368772_at	Rn.87739	Slc4a3	-1.64
1374391_at	Rn.16457	Sln	1.95
1373659_at	---	Smim5	-1.82
1367977_at	Rn.1827	Snca	2.01
1384000_at	Rn.15099	Sox4	1.51
1386212_at	Rn.44157	Spta1	2.18
1377404_at	Rn.10647	Stc1	2.13
1396101_at	Rn.10647	Stc1	1.97
1368372_at	Rn.6312	Sts	-1.56
1374012_at	Rn.6456	Sypl2	1.51
1383994_at	---	Syt3	2.02
1378857_at	Rn.9190	Tceal5	1.95
1397133_at	Rn.146333	Tdrd1	1.86
1376425_at	Rn.24539	Tgfb2	2.33
1392382_at	Rn.24539	Tgfb2	1.8
1387172_a_at	Rn.24539	Tgfb2	1.79
1388138_at	Rn.11207	Thbs4	2.79
1386128_at	Rn.23478	Tna_predicted	-1.69
1398407_at	Rn.116157	Tnfaip8	-1.84
1371785_at	Rn.105040	Tnfrsf12a	1.9
1382579_at	Rn.41060	Tox3	1.56
1392976_at	Rn.146072	Tpm2	1.98
1370198_at	Rn.41863	Trdn	-2.76
1384737_at	Rn.41863	Trdn	-3.92
1376302_at	Rn.34382	Trim25	1.64
1374529_at	Rn.7271	TSP-2	2.05
1394109_at	Rn.7271	TSP-2	1.71
1375057_at	Rn.52417	Tspan18	1.77
1376668_at	Rn.24241	Ttc39a	-1.57
1388484_at	Rn.3102	Ube2c	1.52
1384456_at	Rn.74199	Usp24	-1.83
1389857_at	Rn.6930	Wbp5	1.75
1380094_a_at	Rn.24179	Zfp212	-2.15
1389774_at	Rn.6474	Znf23	2.41