

Appendix Table 1. Genes differentially expressed in control B6 and D2 NAC, PFC, and VTA.

Probeset ID	Gene Symbol	NAC	PFC	VTA	Probeset ID	Gene Symbol	NAC	PFC	VTA	Probeset ID	Gene Symbol	NAC	PFC	VTA	Probeset ID	Gene Symbol	NAC	PFC	VTA
Cluster 1																			
92640_at	Vps35	2.12	1.00	1.73	160065_s_at	Csrp1	1.42	1.85	2.12	102378_at	Sspn	2.00	1.29	1.83	104620_at	2010300G19Rik	1.81	1.36	1.35
160754_at	Pygm	0.29	1.68	0.93	104740_at	D1Ertd251e	1.53	1.26	1.08	102405_at	Mag	1.15	1.69	0.75	101213_at	Arbp	1.09	1.15	1.87
94794_at	Fth	2.66	1.21	1.70	95608_at	Ctsb	0.53	1.60	1.14	103257_at	C730036B01Rik	1.74	1.77	1.50	101894_s_at	Fts	1.57	0.89	1.61
94852_at	Glul	2.03	3.34	1.56	98531_g_at	Gas5	2.55	1.44	2.85	93013_at	ldb2	2.61	0.83	2.59	94057_g_at	Scd1	1.27	1.73	1.22
101992_at	Psmb6	2.92	4.44	1.99	96215_f_at	---	1.81	1.40	3.17	92608_at	Csrp1	1.05	2.70	1.62	101528_at	Tcea1	1.29	2.51	1.59
98968_at	Myo5a	1.66	0.98	1.43	98525_f_at	Erd1	3.77	3.07	5.66	97752_at	E130013N09Rik	3.76	4.15	3.08	94255_g_at	Clic4	1.16	2.01	2.23
104045_at	2610102M01Rik	0.84	1.08	1.64	160173_at	---	2.10	1.74	1.22	99953_at	Rab2l	1.12	1.86	1.01	96020_at	C1qb	2.69	4.24	1.54
160829_at	Phlda1	1.86	3.81	1.26	104169_at	Zic1	1.82	1.24	2.12	100113_s_at	Kifap3	2.24	2.15	2.00	103228_at	Mtmr7	1.56	2.66	1.21
161354_f_at	6330403K07Rik	1.62	1.61	1.00	101420_at	Viaa1	2.02	2.57	2.75	93137_at	Ntsr2	1.32	1.71	0.69	100473_at	Arb1	0.60	1.72	0.79
95095_at	Flot1	1.66	3.17	1.11	96320_at	2310044H10Rik	2.41	1.05	1.34	93088_at	B2m	1.26	2.18	1.82	97819_at	Gsto1	1.58	2.39	0.97
99047_at	Mobp	1.71	1.65	1.60	96311_at	Mbp	1.25	1.98	1.65	93833_s_at	Hist1h2bc	3.30	3.63	2.31	93529_at	DBWsu49e	1.82	1.78	1.69
99048_g_at	Mobp	1.73	2.14	2.10	160288_at	Map1lc3b	0.76	1.71	1.01	99481_at	Atp1a2	1.28	1.40	1.58	92223_at	C1qg	2.09	3.18	1.47
97953_g_at	Tsc2	0.65	1.58	0.54	98549_at	Vtn	0.66	1.70	1.18	103471_at	Tbc1d15	2.75	4.02	1.86	93582_at	Coq7	1.55	0.85	1.40
94122_at	Myoc	2.01	5.37	2.81	95467_at	Scoc	2.97	1.45	2.74	97269_f_at	Krtcap2	1.92	0.70	1.07	97867_at	Hsd11b1	0.35	1.69	1.13
94256_at	Clic4	1.12	2.20	1.47	94079_at	38234	0.50	1.68	1.08	99143_at	0610039N19Rik	2.09	1.05	1.17					
Cluster 2																			
97171_f_at	---	-1.62	-0.51	-0.43	96837_at	ORF61	-1.64	0.00	-0.94	94181_at	Scrg1	-2.04	-1.39	-0.56	98616_f_at	Myh7	-1.89	0.39	-0.59
97458_at	Gnb1	-4.77	-3.09	0.03	160324_at	Rpa3	-2.43	-2.07	0.03	104641_f_at	2410018L13Rik	-1.77	-1.30	-0.49	101031_at	Surf1	-1.68	-1.14	-0.20
103931_at	Ms10h	-2.03	-0.26	-0.02	95723_r_at	2610009E16Rik	-1.98	0.25	-0.13	160269_at	Gfer	-1.77	-0.72	-0.59	98880_at	D6Wsu116e	-1.69	-0.62	0.62
103622_at	Mlycd	-2.17	0.07	-1.73	95713_at	C1ptm1	-2.00	0.83	-0.18	97540_f_at	H2-D1	-2.47	-2.05	-0.21	101044_at	Alad	-4.96	-3.11	-2.07
93120_f_at	H2-K1	-2.77	-1.42	-0.85	92567_at	Col5a2	-2.01	0.30	-0.33	160299_at	Rwdd1	-1.74	-0.84	-0.53	101448_at	Hgs	-2.25	0.08	-0.37
102924_at	Dtx1	-2.03	0.28	-0.96	93500_at	Alas1	-1.62	-0.57	0.43	104711_at	Vps4a	-1.69	0.23	0.24	100989_at	Itgb1bp1	-2.27	-0.45	-0.28
96900_at	1620401E04Rik	-1.56	-0.65	0.83	92578_at	Scye1	-1.61	-1.47	0.12	160117_at	Tef	-1.69	0.03	0.19	101576_f_at	Serpina1a	-1.98	-0.96	-1.55
96102_i_at	Rad23b	-1.88	0.60	-0.66	93559_at	Apex1	-2.02	-1.32	-1.06	95064_at	Acaa2	-1.59	-0.78	0.76	101589_at	Hmg2	-2.67	-2.07	-1.46
96047_at	Rbp4	-1.52	-0.54	1.04	93534_at	Dcn	-2.92	-0.21	0.36	95643_at	Wdr6	-1.71	-0.41	0.25	98300_at	Cacna2d3	-1.68	0.78	0.91
96037_at	Bri3	-1.72	-0.05	0.35	92626_at	Npdc1	-2.05	0.46	0.55	104654_at	Actl6	-1.69	0.43	0.48	100990_g_at	Itgb1bp1	-2.85	-1.06	-1.05
103010_at	2610005L07Rik	-2.82	-2.36	-1.15	92282_at	2610304G08Rik	-1.50	-0.82	0.55	95401_at	BC038286	-3.08	0.38	0.52	100974_at	Ssbp4	-3.11	-0.76	0.18
97423_at	1500035H01Rik	-2.50	-1.63	-1.69	93633_at	Gnefr	-1.59	-1.34	-0.02	160414_at	1810073N04Rik	-1.75	0.31	-0.33	100976_at	Ptpn9	-1.94	0.18	-0.33
96766_s_at	Tyro3	-1.79	0.54	0.03	92622_at	2210013K02Rik	-1.76	-0.31	-1.20	160384_at	Bat1a	-1.57	0.62	-0.79	102234_at	1810037117Rik	-7.19	-2.90	-2.52
103416_at	Mapk6	-1.55	0.36	0.27	92642_at	Car2	-2.66	-2.30	-1.37	94266_at	Hcfc1r1	-1.96	-0.57	-0.47	100594_at	Pigq	-1.62	0.49	0.59
104044_at	1300006N24Rik	-1.52	-0.18	-0.78	100032_at	Aaas	-1.82	-1.67	-1.17	160740_at	---	-1.91	-1.41	-0.01	99929_at	Ext2	-1.67	-0.21	1.13
103943_at	Ppfia4	-2.16	-0.34	0.53	93861_f_at	---	-2.30	-1.53	-1.78	94531_at	2310005O14Rik	-1.66	-0.87	-0.45	99599_s_at	Ptov1	-2.12	0.29	0.40
97356_at	1810008O21Rik	-1.92	-1.37	-0.41	93269_at	Glo1	-6.73	-4.48	-1.94	160822_at	Rap1ga1	-2.88	-0.16	0.44	100443_at	Bcat2	-1.53	-0.91	-0.54
96650_at	Auh	-1.91	-1.20	-0.29	93071_at	Trim28	-2.38	-0.17	0.56	160629_at	Rgs10	-1.54	0.39	-1.00	99168_at	Pigs	-1.54	0.28	0.30
103999_at	4932416N17Rik	-1.80	-1.29	-0.49	93268_at	Glo1	-3.87	-2.07	-1.69	94812_at	Gtf2h1	-1.62	-0.90	0.62	98993_at	Ppp2r5c	-1.60	-0.44	0.62
103402_at	Tm7sf3	-3.19	-2.15	-0.65	92852_at	Fn1	-1.66	-0.47	-0.47	160435_at	Mic2l1	-2.35	-1.08	0.21	100610_at	Capns1	-1.75	1.01	0.55
96718_at	Mtvr2	-1.77	-1.62	-0.63	92916_at	Syt3	-1.54	0.80	0.26	160565_at	Ckmt1	-3.68	-0.84	0.13	99045_at	Eno2	-1.78	0.67	0.19
103824_at	Wfs1	-1.94	0.04	0.24	92693_at	Nin	-2.09	-1.32	-0.24	160516_at	Gaa	-4.58	1.05	-0.55	100931_at	Arsa	-2.34	-1.69	-0.25
96621_at	1110061L23Rik	-2.39	-1.31	-0.38	92759_at	Lamb3	-2.56	0.40	0.25	102883_at	Rpap1	-1.51	-0.13	0.66	98002_at	Ic5bp1	-1.91	-1.30	-0.69
104080_at	Pdap1	-1.65	0.93	0.07	93382_at	Pde1b	-2.31	0.58	-0.08	104235_at	Al551766	-1.50	-1.26	0.00	98762_f_at	Zfp97	-1.62	-1.25	-0.11
103387_at	Phf1	-1.66	0.39	-0.04	93697_at	Cbx4	-1.96	-0.66	-0.63	97551_at	Hip1r	-2.08	-0.07	0.51	97809_at	Bat8	-1.78	0.17	-0.39
96719_i_at	Pva	-2.17	0.23	0.44	161361_s_at	Tnnt1	-1.79	-0.57	1.34	93092_at	H2-DMa	-1.85	-1.17	-0.15					
Cluster 3																			
92484_at	Hivep2	2.35	2.18	-0.16	95430_f_at	Spg21	5.67	3.76	0.74	160682_at	6430706D22Rik	3.11	3.22	0.07	93285_at	Dusp6	1.80	1.67	0.79
97750_at	Lamr1	3.25	1.91	0.39	98554_at	Ndr3	1.12	1.67	-0.01	160587_at	D12Ertd604e	1.54	0.61	-0.42	96560_at	BC029719	1.69	2.26	0.49
101216_at	---	1.96	0.76	0.19	100574_f_at	Gpi1	3.62	2.03	0.98	94832_at	Hnrph2	2.38	1.25	0.25	104106_at	Sbno1	2.89	2.23	0.61
160371_at	Arl6ip1	2.70	4.91	1.05	160263_r_at	Ndfip2	1.79	1.18	0.27	160757_at	Rnf38	1.56	2.06	0.13	93308_s_at	Pcx	1.32	1.55	0.56
101101_at	Ppp2cb	3.66	3.95	-0.01	95440_at	2810432L12Rik	2.20	2.20	0.99	98904_at	Mrpl35	2.93	2.19	0.68	104115_at	Psme4	1.30	2.29	0.56

100593_at	Tnnt2	0.88	1.64	0.04	94916_at	Cyp51	1.77	0.92	0.39	97450_s_at	Aldh7a1	3.58	5.37	1.21	99608_at	Prdx2	5.46	7.25	2.32
95294_at	---	2.22	1.56	0.27	100713_at	Zfp617	1.52	1.17	0.37	94771_at	Rassf2	2.31	2.01	0.13	104161_at	Cpsf2	2.20	2.52	0.88
95002_at	D17Wsu92e	1.94	1.03	0.57	100686_at	Rps2	2.39	1.73	0.66	93838_at	2700038C09Rik	1.74	2.17	0.77	98149_s_at	1110033J19Rik	2.24	2.33	-0.54
94937_at	Zfp277	1.52	1.41	-0.04	162263_f_at	Lamb1-1	1.52	1.07	-0.94	103223_at	5830406C15Rik	3.28	1.56	0.97	92839_f_at	Snrpb2	1.74	1.46	0.01
101312_at	Grin2b	1.60	0.92	0.72	100946_at	Bat9	2.27	3.54	0.77	160872_f_at	2310008H09Rik	1.45	1.78	0.12	104316_at	Gna13	1.25	1.64	0.60
92294_at	2810410P22Rik	1.53	0.70	-0.55	94312_at	AA415817	6.53	6.05	0.77	94811_s_at	Gtf2h1	1.95	0.96	0.24	97958_at	3632413B07Rik	2.53	1.12	0.54
102783_at	2310009E04Rik	1.07	1.89	-0.44	93865_s_at	H2-T10	1.46	2.45	0.10	102696_s_at	Pitpnb	2.61	3.04	0.44	96629_at	D7Rp2e	5.67	3.78	1.73
101059_at	Ndn	1.69	0.88	0.44	102769_f_at	Sc5d	1.65	0.83	0.45	92624_r_at	Lor	1.68	1.00	0.36	102852_at	Cdh2	1.92	1.06	0.95
93589_at	Lysal1	3.58	3.52	1.19	162308_f_at	---	1.67	1.72	-0.39	160163_at	AA415817	3.54	3.41	0.74	96156_at	1110008H02Rik	7.20	3.65	2.18
97482_at	4930520C08Rik	1.26	1.54	-0.05	97788_at	Krt1-12	1.48	2.49	-0.27	104694_at	LOC224598	2.39	2.20	0.96	103656_at	Lanc1	2.57	3.34	-0.43
160482_at	Acaa1	5.35	3.80	1.52	97472_at	Slc25a17	2.72	2.31	0.17	103828_at	Vps52	2.20	3.50	0.18	93045_at	Abcd3	3.84	3.97	0.84
160474_at	Rpp14	2.19	2.97	0.43	161466_r_at	Asb3	2.24	2.02	0.25	103918_at	Slc15a2	1.86	1.09	0.06	99524_at	D930008O12Rik	1.52	1.58	0.21
103310_at	Jarid1b	1.62	1.56	0.54	93859_at	Mtif2	2.80	0.64	-0.27	96257_at	Hp1bp3	1.76	1.22	0.19	97839_at	Snx6	2.89	1.44	0.43
95413_at	Asrij	2.98	3.27	1.62	161948_f_at	---	2.22	1.59	0.79	97985_f_at	Kns2	1.84	1.88	0.64	101741_at	Psmb5	4.13	4.18	1.13
99162_at	2410004J23Rik	3.10	2.84	1.50	99046_at	Mobp	2.92	1.96	1.38	96243_f_at	Aldh9a1	3.81	2.90	1.40	101579_at	Srp9	5.45	6.43	2.06
95601_at	Ubqln1	1.25	2.02	0.37	94238_at	2310046G15Rik	1.32	2.41	-0.13	104259_at	Cbx5	1.73	1.56	0.40	92632_at	Calm3	2.85	1.74	0.90
95536_at	Tceb3	1.84	1.37	0.41	100888_at	Sor1	1.55	2.51	0.69	101998_at	4833420G17Rik	2.91	3.00	0.73	102302_at	Bckdhd	2.31	1.20	0.06
98524_f_at	---	2.61	1.18	0.45	93875_at	Hspa1a	1.84	1.48	0.13	97504_at	Ccnd2	1.65	0.94	-0.15	100073_at	2510005D08Rik	2.30	2.47	0.01
101527_at	Tcea1	3.46	4.50	1.16	93887_at	Mpdz	2.67	1.67	0.77	98291_at	B3galt6	1.56	0.98	-0.50	96941_at	Rab14	1.67	1.83	0.21
93481_at	2400004E04Rik	1.50	0.94	0.16	94426_at	6330575P11Rik	6.26	3.91	1.46	104312_at	Dorz1	2.77	0.74	0.55	99816_at	Hspa2	1.84	2.03	0.30
93412_at	Dfy	2.11	1.57	0.18	94522_at	Dctn3	3.10	2.68	1.49	96197_f_at	5730589K01Rik	1.61	0.59	-0.88	102135_at	C78893	1.50	0.89	0.49
99494_at	Serpini1	2.15	0.86	0.82	160991_at	Nkiras1	1.52	2.15	-0.83	101876_s_at	H2-T10	1.40	2.53	0.18	101851_at	Mox2	2.40	1.01	0.29
95521_s_at	Zfp68	2.68	0.95	0.41	97838_at	Rnu22	2.33	0.88	0.75	96261_at	2310028O11Rik	2.64	1.49	1.51	92995_at	Vsnl1	3.61	1.80	1.02
100573_f_at	Gpi1	3.20	2.33	1.29	160605_s_at	Usp38	0.93	1.70	0.19	96196_i_at	5730589K01Rik	2.33	1.75	0.93	96068_at	1500034J20Rik	3.07	2.60	0.14
99450_at	Kcnq2	1.85	1.52	-0.54	102571_at	Gjb6	1.67	1.21	-0.04	93299_at	Msh6	2.40	0.87	-0.48	99571_at	MGC29978	2.32	1.77	0.83
95437_at	C80879	2.05	3.10	0.12	92202_g_at	Zfp145	1.67	0.78	0.91	101934_at	Fez2	2.17	1.08	0.71	96059_at	Mrpl48	2.60	3.02	0.85
160296_at	Wsb2	1.29	1.80	0.44	101047_at	2410026K10Rik	1.87	1.01	1.03	96649_at	2310042M24Rik	2.15	1.24	0.31	92678_at	Ddx25	2.68	2.23	1.07
Cluster 4																			
161793_at	Lama4	-0.15	0.19	1.71	97909_at	Stmn1	1.09	0.03	1.91	95020_at	Cd47	0.70	0.42	1.67	160417_at	Kif5b	0.28	1.25	1.93
100081_at	Stip1	1.13	0.28	1.60	99641_at	D2Bwg0891e	0.45	0.56	2.24	100439_i_at	Ank1	-0.33	0.02	1.62	101887_at	Agt	0.02	-0.02	1.85
94499_at	Mgea5	1.14	-0.48	1.51	100718_at	Ptma	0.79	0.48	1.62	92546_r_at	Ptgd	-0.46	0.70	2.99	95708_at	D3Ucla1	0.13	-0.35	1.96
99128_at	Atp5o	-0.39	-0.11	1.81	102105_f_at	Ptgd	-0.73	0.67	1.74	95718_f_at	Usmg5	0.22	-0.91	2.00	95652_at	Vps52	1.45	1.26	3.06
101989_at	Uqcr1	-0.26	-0.42	2.47	96336_at	Gatm	0.28	0.03	2.08	98333_at	Rps18	-0.52	0.01	1.53	101577_at	Rps6	0.39	-0.41	1.90
96881_at	Commd6	1.15	0.05	1.54	98085_f_at	Rpo1-1 / Rps28	1.06	0.89	2.31	96088_at	Ndrgr2	0.92	0.28	2.25	93305_f_at	Vamp8	0.86	0.05	1.53
160957_at	D12ErtD7e	-0.41	-0.43	1.69	97420_at	Lrg1	0.13	0.93	2.07	98562_at	C1qa	0.75	0.46	1.52					
102056_f_at	2610002J02Rik	-0.09	-1.08	1.61	92545_f_at	Ptgd	-0.76	0.01	2.93	101137_at	Rps3	0.93	0.33	1.64					
Cluster 5																			
93966_at	Ube4b	-0.02	-1.82	1.00	96858_at	Pdcd8	-0.93	-1.61	-0.37	103534_at	Hbb-b1	-2.06	-2.86	-1.82	160640_at	Galm11	-1.48	-3.28	-0.23
93389_at	Prom1	-1.20	-1.81	-1.03	98122_at	Lmo4	-1.10	-1.52	-0.14	101305_at	Pou3f3	-0.38	-2.03	0.42	100464_at	3110043O21Rik	-1.80	-1.70	-0.54
93463_at	Usp19	0.16	-2.60	-0.01	98077_at	Snrpd3	0.14	-5.18	0.85	104627_at	Cds2	-0.05	-2.48	0.82	100483_at	lfnar1	-0.55	-2.27	0.48
99842_at	Col19a1	-0.40	-1.72	0.32	98087_at	Tbk1	-0.39	-1.62	-0.52	161480_i_at	---	-0.80	-1.11	-2.26	162081_f_at	---	0.44	-1.61	-0.03
99458_i_at	Mark2	0.47	-1.70	0.17	96658_at	2900010J23Rik	0.97	-1.72	-0.24	101288_at	Fv4	-1.29	-2.69	0.46	104297_at	lpo11	-0.55	-1.75	-0.03
93191_at	Vamp4	0.54	-1.84	0.47	97412_at	3300001G02Rik	-1.63	-2.25	0.07	161021_at	Pak3	-0.05	-1.78	-0.03	92631_f_at	Calm3	-0.45	-3.96	0.11
94047_at	0610031J06Rik	-0.26	-1.83	-0.63	97948_at	Rb1	-1.08	-2.36	-0.73	101215_at	Gabra2	-1.65	-2.55	-0.89	100331_g_at	Prdx2	-0.91	-2.83	0.04
93896_at	Ptprd	-0.04	-1.91	0.41	96696_at	Hrmt112	-0.04	-2.21	-0.04	104672_at	Frzb	0.63	-3.65	0.53	92586_at	Glud	-1.16	-1.75	-0.25
93730_at	Syn1	-0.85	-1.62	-0.35	95471_at	Cdkn1c	-0.20	-2.47	-0.30	101942_at	Sfrs14	-1.34	-1.50	-0.45	92580_at	Hars	-0.47	-2.65	0.24
99807_r_at	Fv1	-1.23	2.31	0.40	95447_at	1810034K20Rik	-0.23	-1.54	0.23	161487_f_at	---	-1.65	-1.79	-0.57	101495_at	Cd81	0.43	-1.80	0.52
93874_s_at	Il11ra1	0.15	-1.66	1.05	95453_f_at	S100a1	-0.59	-3.66	0.88	101050_at	Rfk	-1.84	-3.20	-0.31	102130_f_at	---	-1.18	-2.53	0.24
97498_at	Fhl1	-0.48	-1.58	-0.97	99080_at	2810012H18Rik	-0.33	-1.80	0.38	100496_at	Pam	-4.18	-5.14	0.09	92542_at	D4Wsu53e	0.42	-1.71	-0.10
93319_at	Rasa3	0.79	-1.80	-0.04	94456_at	Set	0.90	-1.65	0.43	104578_f_at	Actn1	-0.61	-1.63	-0.75	100368_at	Casp9	0.43	-1.70	-0.01
93284_at	Cirbp	-0.52	2.02	-0.94	94453_at	1810046J19Rik	-0.93	-1.78	0.31	161985_f_at	Ktn1	-1.07	-1.57	-0.21	92416_at	Freq	-1.72	-2.23	0.23

93721_at	Cap1	-2.45	4.95	-1.19	97448_at	9030221M09Rik	-3.17	-4.86	-3.80	103704_at	2010305K11Rik	-1.81	-1.97	0.54	92402_at	---	-1.29	-2.84	-0.14
99505_at	Rab4b	-0.56	1.77	-0.76	94765_at	Rdh13	-1.14	-1.73	-0.62	101971_at	2500002L14Rik	-0.32	-1.92	0.07	101516_at	Cd59a	-2.18	-3.14	-0.55
93798_at	Atp1a1	-0.62	2.93	0.35	94348_f_at	Pcmt1	0.16	-1.89	-1.25	103247_at	Mpp3	-2.59	-3.02	-1.04	92790_at	Kpna2	-0.59	-1.58	-0.48
93276_at	Hn1	0.00	2.01	-0.10	94780_at	Zfp288	0.47	-1.63	0.06	161808_f_at	Evl	-0.20	-1.63	0.23	92788_f_at	Cetn3	-0.52	-1.58	0.45
93347_at	Rab24	-1.88	1.91	-0.79	94413_at	AU018122	0.48	-1.89	0.47	103341_at	Ctps	-0.11	-1.98	0.16	102120_f_at	Hpcal1	-2.29	-2.57	-0.09
93797_g_at	Atp1a1	-0.78	2.87	0.57	94276_at	Hsd17b12	0.62	-1.59	1.04	104590_at	Mef2c	-0.48	-2.93	-0.34	100123_f_at	Ilgb1	-0.12	-1.93	-0.14
99442_at	Resp18	0.25	1.62	0.38	94841_at	Psma5	-1.24	-1.84	0.65	101963_at	Ctsl	-0.20	-1.85	0.82	104183_at	D2Ertd435e	-1.15	-1.94	-0.68
93539_at	1810004D07Rik	-2.11	2.13	-0.60	94216_at	Sdhc	-2.96	-3.51	-0.14	161779_r_at	---	-1.68	-1.73	-1.02	104193_at	2810485I05Rik	-0.30	-1.72	0.29
93519_s_at	Nedd8	0.08	2.31	0.47	94214_at	Fabp3	0.14	-1.68	0.19	161522_i_at	Cst3	-0.32	-1.87	1.61	101519_at	Srp14	-0.45	-1.85	0.43
93860_i_at	---	-2.42	2.61	-1.29	94245_at	H47	0.06	-1.87	0.72	103571_at	Lst1	-1.97	-2.47	-0.23	102242_at	Per3	-1.57	-1.51	-1.44
94017_s_at	Sfrs2	-0.64	2.87	1.53	94240_i_at	Rpl29	-0.08	-1.78	-0.10	100606_at	Prnp	0.29	-1.68	0.31	92943_at	Gria1	-2.31	-2.43	0.64
97406_at	Cbfa212h	-0.93	1.69	-0.40	98927_at	Rab6	-0.98	-2.50	-0.82	160970_at	Odf2	-0.10	-2.10	0.20	102322_at	Ugdh	-1.72	-1.77	-1.15
99098_at	Fdps	0.49	1.64	-0.29	94257_at	Rraga	-0.31	-3.46	0.46	102991_s_at	H2-Ke6	-1.31	-1.85	-0.01	104231_at	---	-1.22	-1.57	-0.61
96085_at	Gsta4	0.04	1.82	0.14	97424_at	Ar16ip5	0.11	-3.67	0.91	160395_at	D11Ertd603e	0.24	-1.80	0.48	100131_at	Sgne1	-4.52	-4.98	-1.35
97864_at	2510049I19Rik	-2.54	2.89	-0.77	94853_at	Gnb1	-2.59	-5.42	-1.62	101575_i_at	Serpina1a	-0.78	-1.79	-1.59	102259_at	Ywhag	0.45	-2.31	-0.27
96217_at	Polb	-1.36	1.56	-0.16	94842_at	Blmh	-0.28	-2.01	-0.05	160206_at	2610510H01Rik	-0.41	-1.80	-0.52	102318_at	Siat8d	0.73	-1.58	-0.41
96183_at	Foxp1	-0.16	2.45	-0.07	98588_at	Fah	-1.19	-1.85	0.00	160466_at	Rae1	-0.83	-1.67	-0.16	102348_at	---	-0.11	-1.83	-0.09
98339_at	Syt11	0.17	2.37	-0.31	95136_at	Ar16ip4	-0.99	-1.97	0.17	160212_at	Ttc4	0.22	-1.52	0.01	104092_at	Usp31	-1.15	-2.36	0.32
96258_at	Mgst3	-0.79	2.61	0.27	98761_i_at	Zfp97	-2.44	-2.11	-0.44	100772_g_at	Blnk	0.09	-1.54	-0.43	104371_at	Dgat1	-1.19	-1.57	-0.61
98332_at	Kcnj9	-1.87	3.84	0.00	95409_at	1110019J04Rik	-0.27	-1.66	0.05	160281_at	2700023B17Rik	-1.27	-1.72	-0.39	160350_at	Gstz1	-1.92	-3.32	-0.25
95699_f_at	2010009J04Rik	-0.10	2.23	0.40	95232_at	Hnrpl	0.12	-1.79	-0.11	160590_r_at	1810030M08Rik	-0.05	-2.36	0.45	162091_f_at	Sf3b2	0.31	-1.52	-0.06
98254_f_at	---	-1.59	1.28	-1.98	97713_at	AA415817	-8.00	-8.99	-1.69	160302_at	1200003C05Rik	-1.19	-3.25	-0.12	102848_f_at	2610524H06Rik	-1.92	-3.44	-0.23
98486_at	Stmn4	0.25	1.60	-0.28	95424_at	Smt3h1	-1.21	-1.71	-0.42	100903_at	Adprt2	-0.68	-2.22	0.20	104374_at	Serpina3n	-0.64	-2.19	-1.11
95523_at	6530401D17Rik	-0.20	2.21	-0.32	95045_at	0610012D09Rik	-0.29	-1.59	0.45	103783_at	Xpr1	-1.02	-1.76	0.59	102047_at	Nmt1	0.24	-2.30	0.18
95611_at	Lpl	-1.30	1.76	0.24	94992_at	Copb1	-1.01	-1.56	-0.17	160356_at	0610011D08Rik	-0.65	-2.18	0.17	100398_at	Kif3a	0.18	-2.32	0.09
98477_s_at	Ank3	-0.90	2.14	-0.48	94854_g_at	Gnb1	-1.41	-4.69	2.58	160571_at	ldh1	-1.01	-1.81	-1.50	104469_at	Gp38	-1.53	-1.41	-1.14
95662_at	X83328	-1.46	3.03	-0.11	98806_s_at	Tub	0.07	-1.73	0.08	160603_at	Pparbp	-1.84	-1.69	-0.98	162138_s_at	Nptrx	-0.33	-1.69	0.99
98342_at	Rpl10	-0.58	2.11	0.01	94885_at	Unc84a	-0.71	-1.57	-0.48	104766_at	Nola1	-1.27	-1.71	-0.77	100427_at	Ptpro	0.52	-3.39	-0.64
96295_at	Psat1	-0.73	2.34	0.86	94954_at	Anapc4	-0.82	-1.80	-0.18	103932_at	Gm83	-0.37	-1.54	0.63	162275_f_at	Upf3b	0.12	-1.57	0.29
96526_at	---	0.11	1.95	0.65	97865_g_at	2510049I19Rik	-3.36	-4.08	-1.92	104158_at	Skiiip	-0.27	-2.82	0.13	100441_s_at	Ank1	-0.41	-1.68	0.62
96343_at	Actn4	0.13	1.78	-0.08	94982_f_at	Nme3	-0.89	-1.86	0.25	160076_at	Mtx2	-1.03	-1.51	-0.28	104444_at	9430098E02Rik	-4.16	-5.38	-1.26
98543_at	Ctss	-0.90	1.90	-1.26	94979_at	BC018507	-1.16	-2.37	-0.29	160905_s_at	A030009H04Rik	-2.52	-2.35	-0.21	104036_at	Dpp7	-0.88	-1.75	-0.64
97181_f_at	lap	-1.09	1.78	-0.91	97541_f_at	H2-D1	-1.95	-4.00	-0.43	103978_at	5730454B08Rik	-0.63	-1.99	-0.55	162087_f_at	Kcnab1	-0.89	-1.60	-0.29
97104_g_at	Rfk	-0.82	2.02	-1.02	99985_at	Txnrd1	1.24	-2.35	-0.25	103608_at	Fars1	-2.21	-2.55	0.10	102813_f_at	Ube1dc1	-0.58	-1.61	-0.77
97260_at	Arpp19	-2.22	2.67	-0.35	104175_at	Dlgh4	-0.64	-2.33	0.48	101866_at	Arfrp1	-1.22	-2.10	0.53	104063_at	Srcasm	-0.09	-1.78	-0.24
97254_at	Rbm8	-0.69	2.61	-0.23	104624_at	AU024582	-1.25	-1.51	-0.03	100732_at	Rps8	-0.34	-1.65	0.97	101489_at	Amd1	-0.68	-2.01	0.03
97089_at	Folh1	-1.34	1.63	-0.68	161337_f_at	Wars	-0.25	-1.10	-1.56	103926_at	Elf4g1	0.19	-1.59	0.41	92254_at	Myo5b	-1.37	-3.00	-0.20
97282_at	Mela	-7.82	7.24	-0.98	104591_g_at	Mef2c	-0.13	-3.11	-0.28	101573_f_at	Rpl27a	-0.46	-2.50	0.64	101483_at	Ccnbdbp1	-1.57	-1.71	-0.07
97923_at	B230218H07	0.48	0.99	-1.57	104592_i_at	Mef2c	-0.39	-2.49	0.10	160646_at	Gsr	-0.68	-2.26	0.05	102781_at	Ccnl2	-0.95	-1.86	-0.54
102812_i_at	Ube1dc1	-1.19	1.74	-0.38	162247_r_at	Tcea2	-1.06	-1.60	-0.82	101441_i_at	ltpr5	-0.30	-1.85	0.29	100383_at	Zfp179	0.20	-1.69	0.59

Cluster 6

95418_at	Rasl11b	1.94	0.00	-0.33	96890_at	1300002A08Rik	2.08	-0.05	0.78	93082_at	3110005P07Rik	1.82	0.10	1.43	96959_at	Ube2n	1.68	0.48	0.78
103743_at	3732412D22Rik	2.12	0.55	0.85	160364_at	Sfrs10	2.26	-0.10	1.57	93020_at	Rex3	1.83	0.38	0.65	160388_at	Sc4mol	2.32	0.14	0.23
96055_at	Cck	2.11	0.00	0.42	102894_g_at	Pou2f1	1.67	-0.14	0.47	93016_at	Ywhaq	0.98	-1.57	0.06	160484_at	Rtn4	1.60	0.00	0.96
96855_at	5730406I15Rik	1.62	-0.45	0.49	99623_s_at	Olfm1	2.01	-1.35	-0.22	92841_f_at	Chgb	1.66	-0.39	-0.05	100729_at	Rpl26	1.91	0.25	1.13
160286_at	Dek	1.75	-0.44	-0.23	93773_f_at	Zfp265	1.94	-0.16	0.41	97834_g_at	Pfkp	2.03	-1.49	-0.12	95021_at	9430010O03Rik	1.33	-1.88	-0.33
96072_at	Ldh1	1.54	0.41	0.78	97984_i_at	Kns2	2.75	0.34	0.48	99643_f_at	Cpe	3.57	0.11	1.32	95036_at	Calb2	2.06	0.04	0.11
95448_at	Psmc2	3.95	1.18	0.14	102870_at	5930418K15Rik	2.57	0.55	-0.19	93491_f_at	Ube2d3	3.25	0.55	1.97	160377_at	Tardbp	1.79	0.47	-0.38
98881_at	3110052N05Rik	2.89	0.51	0.98	93990_at	Hnrph1	1.50	0.12	0.58	92579_at	Ssb	1.50	-0.03	0.80	99347_f_at	---	1.75	-0.86	-0.35
96564_at	Hspa8	1.77	-0.32	1.19	93667_at	Fbxw7	1.51	-0.84	-0.18	93557_at	Seps2	1.61	-0.16	-0.28	93117_at	Hnrpa2b1	2.50	-0.75	0.53
96634_at	5730469M10Rik	2.00	0.63	0.05	94007_at	Morf4l1	1.70	-0.34	0.36	92341_at	B3galt2	2.02	0.14	-0.38	98313_at	Odz4	1.62	-0.95	0.57
98590_at	Sdc4	2.55	0.27	0.45	94228_at	Xpo1	1.58	-0.33	0.44	97363_at	Ptk2	1.75	0.15	-0.41	99339_r_at	Kcnd2	1.58	-0.75	0.56

104263_at	9330177P20Rik	4.28	1.03	1.08	103438_at	Dio2	2.52	0.47	-0.06	101936_at	Clk4	1.57	-0.22	-0.07	160966_at	---	2.14	-0.56	-0.41
160182_at	Sfrs6	1.73	-0.48	0.20	161400_f_at	Rpn1	1.72	-0.49	-0.05	97318_at	Hars2	1.94	0.63	0.93	94489_at	Ptp4a1	1.76	-0.10	1.45
95785_s_at	Rab7	2.44	0.55	0.82	102700_at	Tbr1	2.86	-1.01	-0.18	98111_at	Hsp105	1.56	-0.04	1.82	101892_f_at	Fts	2.30	0.07	0.90
160150_f_at	Cnn3	1.68	-0.67	0.77	99642_i_at	Cpe	1.81	0.05	1.43	101787_f_at	---	2.10	0.51	0.16	161036_at	Slc6a15	1.89	0.62	-0.11
96187_at	Pkp4	1.96	0.04	0.86	96920_at	Prss11	2.13	-0.01	1.06	160569_at	2310008M10Rik	2.10	-0.25	0.42	160937_at	Crym	3.41	-0.64	-0.20
100622_at	Prdx6	3.13	0.66	1.11	99830_at	---	3.15	-1.99	0.09	160546_at	Aldo3	1.73	-0.14	1.09	97248_at	Dbi	1.72	0.38	0.79

Cluster 7

101678_r_at	---	-0.02	-0.13	-1.87	104256_at	Pscdbp	-0.31	0.41	-1.52	162036_r_at	D4Wsu114e	0.03	1.71	-0.90	102231_at	Creb3l1	-0.18	0.57	-1.76
97995_at	Tcf7	-0.69	0.54	-1.72	161280_r_at	Pelo	0.95	1.85	-0.65	160524_at	Rab3a	0.00	1.76	-0.66	95360_at	Zcchc6	0.41	0.45	-1.89
103605_g_at	Rgs19	0.58	1.66	-1.14	161796_r_at	Kcnq1	-0.08	0.94	-1.52	162458_i_at	Shmt2	-0.18	1.15	-1.73	102147_at	Akp3	-0.28	1.76	-0.25
103990_at	Fosb	-0.50	1.81	-0.95	94232_at	Ccnd1	0.59	3.67	-1.68	92969_at	Ddr2	-0.07	2.00	-0.63	95322_g_at	Htr4	0.48	0.32	-1.93
96418_r_at	Hoxb8	-0.04	1.69	-1.18	161325_at	Upp1	0.39	0.40	-2.29	93450_at	Cenpe	0.21	0.16	-1.78	160304_r_at	Psmc11	-0.24	1.69	-0.99
101730_at	Cdh6	0.69	1.75	-0.50	161257_r_at	Snx17	0.05	0.95	-1.53	162496_r_at	---	0.26	0.11	-1.71	104341_at	2310014H01Rik	-0.15	1.85	-0.76
97982_at	Emid2	-0.25	1.55	-0.88	162006_r_at	Immt	-0.38	1.76	-1.28	162415_f_at	Entpd8	1.00	1.65	-1.60	95452_i_at	S100a1	0.41	0.63	-1.67
97823_g_at	Pak2	-0.54	1.54	-1.20	161156_r_at	Col1a2	-0.59	0.38	-1.83	162340_r_at	S100a10	0.99	2.01	-0.73	100741_at	Fpr1	0.16	0.61	-1.82
98353_at	Cyp4a10	-0.07	1.56	-0.45	94516_f_at	Penk1	-0.57	0.48	-1.91	162402_r_at	Hoxa4	0.08	1.54	-0.34	104708_at	Tbl1x	0.44	1.24	-1.52
97004_at	Olf71	-0.25	1.42	-1.62	160820_at	Igsf8	-0.05	1.82	-0.73	162394_r_at	Jak3	-1.03	-0.29	-1.80	104314_r_at	1110032A03Rik	0.62	1.52	-0.53
100938_at	Ghrh	0.11	0.84	-1.54	161842_r_at	Etv4	-0.36	1.65	-0.45	162392_r_at	Tg737Rpw	-0.32	1.78	-1.79					
104152_at	2310004N11Rik	0.12	0.44	-1.83	162134_r_at	2300006M17Rik	-0.36	1.63	-0.63	100717_at	U90926	0.95	2.03	-0.71					

Cluster 8

99640_at	Minpp1	0.73	2.13	0.01	100947_at	Tcf20	-0.04	2.93	-0.30	92810_at	Pdk3	-0.04	2.06	0.05	102827_at	Nek7	-0.07	2.30	0.85
102079_at	---	-0.29	1.55	0.72	100536_at	Mobp	2.00	5.81	1.45	92364_at	Celsr2	-0.91	1.66	-0.40	97509_f_at	Fgfr1	0.35	1.63	0.23
101405_at	Smarcd1	-0.79	3.20	-0.42	100592_at	Ghitm	0.40	1.80	0.44	93298_at	Papss1	0.22	1.63	-0.50	103006_at	Atf5	0.20	1.97	-0.03
98870_at	Bcl2	-0.31	1.52	-0.59	101929_at	6720463E02Rik	-0.55	1.74	1.03	92838_at	Fscn1	-0.57	1.86	0.06	103269_f_at	Zfp125	0.78	2.43	-0.52
98875_at	D2ErtD391e	0.09	1.85	0.07	96206_at	D330037A14Rik	0.37	1.96	-0.18	93270_at	Gars	0.16	1.80	0.23	103012_at	Ccl21b	2.28	6.13	0.70
99077_at	Thra	-0.18	2.53	0.46	102332_at	Ulk1	-0.48	1.62	0.54	92539_at	S100a10	0.40	1.83	0.42	97449_at	Aldh7a1	2.13	5.19	-0.12
101425_at	Gss	-0.25	1.68	0.44	161003_at	Kif3b	0.59	2.31	-0.22	92346_at	Nef3	-0.25	2.36	1.20	103054_at	Polr2a	-0.71	1.59	-0.10
98579_at	Egr1	0.54	2.32	0.80	94743_f_at	Cfh	0.37	2.16	0.18	93917_at	Tnfsf12	-0.31	1.65	0.64	103692_at	Efnb3	0.14	1.80	0.25
101529_g_at	Tcea1	0.97	3.47	0.31	94524_at	Dap3	2.39	4.46	-0.07	93740_at	Nsep1	0.29	2.00	-0.12	96733_at	Rap1gds1	0.32	1.92	-0.23
100315_at	Atp8a1	0.65	2.41	0.48	94507_at	Acsl1	-0.28	1.56	-0.12	93866_s_at	Mglap	-0.38	1.67	1.08	103789_at	Brd4	-0.01	1.97	-0.37
99910_at	Accn1	0.75	2.29	0.62	94449_at	Pcdhgc3	-0.63	2.40	0.01	162278_r_at	Tap1	0.00	1.95	0.05	160139_at	Hspb8	-0.41	1.99	-0.35
99902_at	Hcn1	-0.38	2.37	0.37	94802_at	BC060632	0.17	2.24	0.45	162332_f_at	Mapre3	-0.64	2.39	0.52	104716_at	Rbp1	0.99	3.29	0.59
99831_at	Cort	0.90	1.77	0.47	161070_at	Spred2	0.48	2.80	0.32	93737_at	Eif2ak1	0.69	1.81	0.62	104643_at	BC037006	0.24	2.10	-0.08
99672_at	Clcn4-2	0.66	1.56	0.24	161357_r_at	Gstm2	0.08	2.16	-0.33	93583_s_at	Lgh-6	0.66	2.06	0.08	95674_f_at	Basp1	0.68	1.62	0.76
99804_at	Adra2c	-0.74	1.86	0.45	94254_at	Clic4	0.87	2.05	0.11	93734_i_at	Psmc3	0.66	2.05	0.63	104647_at	Ptgs2	0.33	1.81	0.13
99779_at	D6Bwg1452e	1.06	2.20	-0.11	160800_at	D7Wsu87e	0.66	2.79	0.29	92280_at	Strm	-0.43	2.15	0.00	95559_at	6330403K07Rik	0.40	2.26	0.23
101034_at	Grb2	-0.45	2.10	-0.32	160793_at	Pou6f1	0.74	2.46	-0.10	93614_at	Rragd	0.30	1.67	-0.48	104525_at	2810423O19Rik	0.48	1.83	0.20
100973_i_at	Ccl27	0.19	2.35	-0.12	94182_at	Cacng2	-0.27	1.66	0.18	160376_at	1110029F20Rik	-0.04	2.51	0.27	95542_at	Tpm4	0.99	2.31	0.22
99553_f_at	6530413N01Rik	0.64	2.36	0.31	160445_at	2610005H11Rik	-0.80	1.92	-0.48	160189_at	Nudt4	0.56	1.59	-0.54	160134_at	2810031L11Rik	0.05	1.69	-0.51
101027_s_at	Pttg1	1.56	2.77	0.36	95074_at	Pex19	0.54	2.22	0.57	160306_at	Thrsp	1.08	2.93	0.21	160137_at	B3gnt1	0.13	1.74	0.90
100728_at	Mpdz	0.68	2.14	-0.28	160378_at	1110006I15Rik	0.06	2.24	0.49	102691_at	Zfp385	-1.13	1.60	-0.23	95735_at	Nolc1	0.51	1.55	0.46
100828_at	---	0.00	2.28	-0.41	95027_at	Usp21	-1.65	1.48	-0.19	97178_at	Al314034	0.04	1.91	0.23	104524_at	Gltp	-0.34	1.77	0.76
101889_s_at	Rora	0.04	1.80	0.32	160487_at	Myl4	0.36	3.13	-0.04	103559_at	Prkaca	0.03	1.93	-0.65	103832_at	Tfip11	0.43	2.06	0.49
99127_at	Sca10	0.40	2.07	1.19	160739_at	Prkwk1	0.89	4.47	0.31	103574_at	Abli1	0.94	2.45	0.05	104253_at	Mlit1	-0.54	1.79	0.13
99337_at	Baiap2	-0.92	1.60	0.33	160619_at	1110063F24Rik	-0.46	1.69	0.14	97197_r_at	---	0.74	2.97	1.10	103916_at	8430420C20Rik	0.71	1.97	0.51
101796_at	Pcdh7	0.57	2.12	-0.22	94831_at	Ctsb	0.15	1.51	0.72	103610_at	Pde4b	0.08	2.56	-0.23	104099_at	Pglyrp1	0.04	1.95	-0.14
99119_at	Cfl1	-0.57	1.63	0.66	94817_at	Serpinh1	0.69	1.96	0.44	97358_at	Lphn1	-0.83	1.98	0.17	104221_at	Slc7a5	-0.23	2.59	0.41
99007_at	Flot2	-0.31	1.79	-0.32	94244_at	lhpk1	1.84	4.46	0.29	103668_at	Supt6h	-0.54	2.75	-0.41	93102_f_at	Actg2	0.70	2.59	0.60
100599_at	Atf4	0.75	2.34	-0.16	162021_r_at	Bcl2l10	-0.30	2.18	0.06	96953_at	Cxcl14	1.33	3.01	0.93	104422_at	Ptprn	-0.91	1.53	0.55
98508_s_at	Ppap2a	-0.56	1.99	1.10	94144_g_at	Gfap	-0.79	1.91	0.49	96948_at	Qdpr	0.63	3.17	0.94	96140_at	Pcm1	0.58	1.79	0.36
98472_at	C920025E04Rik	1.01	2.86	1.11	160335_at	Gclm	0.61	1.62	0.39	103542_at	Tnks1bp1	0.15	1.92	0.06	96124_at	2310001H13Rik	-0.85	1.79	0.46

98011_at	Gabbr1	0.14	1.78	1.32	92801_at	Plp	0.45	2.11	0.13	103523_at	Leng8	-0.06	1.75	-0.07	104375_at	Spock2	-0.59	2.31	0.43
97998_at	Drpla	0.17	2.44	-0.14	92621_at	Pcbp2	0.05	1.83	0.87	103787_at	Kcna1	-0.37	1.89	1.01	100026_at	Bcat1	-0.18	2.00	1.03
99089_at	Mal	1.60	3.55	0.17	92744_at	Al852447	-0.90	1.72	0.15	102856_at	Sox10	-0.54	2.01	-0.25					
100514_at	Gna13	1.02	2.04	0.10	92770_at	S100a6	0.33	2.58	-0.41	102815_at	Anxa11	0.22	2.84	-0.43					

Genes were selected as described in Materials and Methods. Probesets assigned gene symbols according to the UCSC mouse genome browser (May, 2004 assembly)..

Values are the mean of 3 S-scores comparing B6 versus D2 expression.