

Appendix 1: Upregulated genes in gene expression profile (P<0.05 and foldchange ≥ 2)

Probe_S et_ID	Gene_Symbol	pvalues	foldchange	Probe_S et_ID	Gene_Symbol	pvalues	foldchange
1370355 _at	Scd1	1.35E-04	25.77	1393751 _at	LOC100912250	8.06E-03	2.55
1398250 _at	Acot1	2.43E-02	12.18	1370870 _at	Me1	4.27E-02	2.53
1367811 _at	Phgdh	5.62E-03	8.54	1373445 _at	Nol8	6.04E-03	2.52
1368391 _at	Slc7a1	2.00E-02	8.31	1367691 _at	Prkcdbp	3.38E-02	2.49
1372665 _at	Psat1	9.00E-04	7.64	1370706 _a_at	Cyp2j3	4.21E-03	2.47
1387925 _at	Asns	4.20E-03	6.50	1387278 _at	Ppara	2.32E-03	2.46
1388211 _s_at	Acot1///Acot2	3.82E-02	6.10	1387816 _at	Igfals	2.56E-02	2.44
1379888 _at	LOC100912602	1.03E-02	5.97	1371643 _at	Ccnd1	4.16E-02	2.43
1371412 _a_at	Nrep	6.48E-03	5.87	1384115 _at	Acot2	4.16E-02	2.43
1397249 _at	(chr13)	3.02E-02	5.09	1395193 _at	(chr14)	2.53E-02	2.42
1391056 _at	(chr17)	2.05E-02	4.80	1379275 _at	Snx10	3.45E-02	2.42
1373686 _at	Serpina6	2.44E-02	4.68	1373386 _at	Gjb2	1.80E-02	2.42
1370491 _a_at	Hdc	2.97E-02	4.61	1379659 _at	Bmp2k	1.68E-02	2.41
1383732 _at	RGD1307603	1.30E-02	4.57	1373421 _at	Tgif1	7.53E-03	2.38
1383205 _at	Dact2	3.08E-02	4.31	1382215 _at	RGD1562997	3.44E-02	2.37
1378074 _at	Pdk4	1.57E-02	4.18	1375924 _at	LOC100912250	3.41E-02	2.37
1393221 _at	RGD1564865	6.70E-03	4.00	1379914 _at	Klf11	2.49E-02	2.35

1369150 _at	Pdk4	2.55E-02	3.60	1383012 _at	Rhpn2	1.63E-02	2.35
1374359 _at	Ccne2	2.53E-02	3.56	1372523 _at	Gclc	3.79E-02	2.34
1377014 _at	Nim1	8.98E-03	3.55	1387156 _at	Hsd17b2	4.20E-02	2.33
1387740 _at	Pex11a	2.75E-02	3.42	1377037 _at	Acot3///Acot4	4.06E-02	2.32
1369450 _at	Ust5r	4.65E-02	3.36	1368650 _at	Klf10	3.34E-02	2.28
1381749 _at	(chr1)	1.03E-02	3.21	1379417 _at	Mdn1	1.02E-02	2.22
1368392 _at	Slc7a1	2.49E-02	3.16	1379885 _at	Fmo4	2.63E-02	2.19
1368924 _at	Ghr	2.86E-03	3.13	1375342 _at	Nfic	1.19E-03	2.19
1370806 _at	Retsat	3.06E-03	3.12	1387094 _at	Slco1a2	4.13E-02	2.19
1388210 _at	Acot2	2.04E-02	3.10	1383531 _at	(chr10)	2.37E-02	2.18
1388742 _at	(chr3)	3.17E-02	3.04	1384106 _at	Sgms1	1.77E-02	2.17
1376845 _at	Ifi2712b	3.98E-02	2.99	1380366 _at	Igh-6///LOC314 509	2.11E-02	2.17
1398706 _at	LOC100909675	3.57E-03	2.98	1367847 _at	Nupr1	8.95E-03	2.15
1383075 _at	Ccnd1	8.06E-03	2.97	1386435 _at	Tfap4	1.57E-02	2.14
1391154 _at	(chr1)	1.87E-02	2.80	1385009 _at	Nol8	5.02E-03	2.13
1381074 _at	(chr5)	7.07E-03	2.79	1373904 _at	Lysmd2	3.79E-02	2.13
1378848 _at	Asb5	3.15E-02	2.78	1378635 _at	(chr10)	1.58E-03	2.13
1369337 _at	Adcy10	3.57E-02	2.78	1373499 _at	Gas5	1.87E-02	2.10
1371310 _s_at	Serpinh1	2.95E-02	2.74	1395621 _at	Mcart2	4.74E-02	2.10
1384098 _at	Rnf125	8.77E-03	2.74	1390042 _at	Tmem140	3.16E-02	2.08
1368283 _at	Ehhadh	2.76E-02	2.74	1376481 _at	Adamts9	4.91E-02	2.07
1374610 _at	(chr14)	4.57E-02	2.72	1388754 _at	LOC100911177	1.76E-02	2.07

1382404 _at	(chr18)	3.02E-02	2.72	1384188 _at	RGD1310862	2.86E-02	2.07
1397137 _at	(chr8)	2.20E-03	2.70	1384963 _at	(chr4)	9.20E-03	2.0668992 47
1377145 _at	RGD1562101	1.09E-03	2.67	1382569 _at	Paqr9	2.98E-03	2.03
1391433 _at	Acot2	3.14E-02	2.65	1369785 _at	Ppat	4.95E-03	2.03
1382950 _at	LOC685067	3.99E-02	2.60	1388471 _at	Tcp11l2	1.51E-02	2.02
1387335 _s_at	Abo	4.35E-02	2.60	1383919 _at	(chr17)	5.40E-03	2.02
1379238 _at	Ctdspl	3.11E-03	2.56	1380743 _at	(chr4)	1.60E-02	2.01
1387670 _at	Gpd2	2.43E-03	2.56	1374244 _at	LOC501038	4.63E-02	2.01
1371150 _at	Ccnd1	1.99E-02	2.56				

Appendix 2 : Downregulated genes in gene expression profile

($P < 0.05$ and foldchange ≥ 2)

Probe_Set_ID	Gene_Symbol	pvalues	foldchange	Probe_Set_ID	Gene_Symbol	pvalues	foldchange
1387017_at	Sqle	1.49E-02	0.05	1388842_at	Srf	3.56E-02	0.40
1394846_at	Pira2	4.14E-02	0.07	1368350_at	Ptprz1	3.89E-02	0.40
1368878_at	Idi1	3.92E-02	0.07	1376117_at	Slc44a4	3.24E-02	0.41
1368275_at	Msmo1	2.83E-02	0.12	1379610_at	(chr4)	1.33E-02	0.42
1383600_at	Slc13a5	9.56E-03	0.13	1381269_at	(chr16)	3.95E-02	0.42
1387233_at	Hsd17b7	2.16E-02	0.15	1379334_at	Gldc	1.88E-02	0.43
1394550_at	LOC691221	1.34E-03	0.16	1372156_at	Tmem97	1.27E-02	0.43
1372462_at	Acat3	4.41E-02	0.17	1370218_at	Ldhb	3.21E-02	0.43
1389430_at	(chr13)	2.46E-02	0.18	1388357_at	RGD1566401	9.19E-03	0.43
1383111_at	(chr13)	4.66E-05	0.19	1381184_at	(chr1)	8.36E-03	0.44
1387052_at	Gpt	8.85E-03	0.21	1384080_at	(chr18)	2.14E-02	0.44
1377804_at	Prtg	1.78E-02	0.24	1398167_at	(chr5)	4.95E-02	0.45
1370147_at	Acmsd	1.00E-02	0.27	1367709_at	Cd63	3.58E-03	0.45
1376089_at	(chr8)	3.46E-02	0.27	1374932_at	LOC100361444	1.93E-02	0.46
1385798_at	(chr19)	2.78E-02	0.28	1374444_at	Plxnb1	1.57E-02	0.46
1368189_at	Dhcr7	4.86E-02	0.28	1373146_at	Ssx2ip	3.12E-03	0.46
1371922_at	(chr8)	1.83E-02	0.28	1373330_at	LOC690323	2.28E-02	0.47

139293 9_at	Slc41a3	9.85E-03	0.29	1368346 _at	B3galt4	3.38E-02	0.47
136793 2_at	Hmgcs1	3.22E-02	0.29	1396086 _at	Tmem97	9.07E-03	0.47
138730 7_at	Hal	1.77E-02	0.30	1391323 _at	Srprb///Tf	4.07E-02	0.47
136783 9_at	Fdft1	4.18E-02	0.30	1370952 _at	Gstm2	4.42E-02	0.47
138288 2_x_at	(chr6)	3.95E-02	0.32	1388172 _at	Slc22a25	3.47E-02	0.48
138727 0_at	Hhex	3.92E-02	0.34	1372615 _at	Aoc3	3.83E-02	0.49
139686 3_at	(chr8)	3.41E-02	0.34	1371692 _at	Mllt11	1.76E-02	0.49
138799 4_at	Hsd17b6	2.59E-02	0.34	1389648 _at	Ripk4	3.23E-02	0.49
139495 6_at	(chr18)	4.85E-02	0.37	1368177 _at	Acsl3	4.92E-02	0.49
137424 9_at	RGD1304580	4.35E-02	0.37	1376427 _a_at	Gldc	3.00E-02	0.49
137416 0_at	Tmcc2	3.73E-02	0.38	1387178 _a_at	Cbs	1.95E-02	0.50
137585 6_at	(chr10)	2.21E-02	0.39	1377027 _at	(chr6)	4.64E-02	0.50
136772 9_at	Oat	2.91E-02	0.39				
137936 7_at	Fam213b	2.62E-02	0.39				