

### Supplementary material

Probe set name	Probe X	Probe Y	Probe interrogation position	Probe sequence target	Strandedness
1007_s_at	467	181	3330	CACCCAGCTGGTCCTGTGGATGGGA	Antisense
1007_s_at	531	299	3443	GCCCCACTGGACAACACTGATTCCT	Antisense
1007_s_at	86	557	3512	TGGACCCCACTGGCTGAGAATCTGG	Antisense
1007_s_at	365	115	3563	AAATGTTTCCTTGTGCCTGCTCCTG	Antisense
1007_s_at	207	605	3570	TCCTTGTGCCTGCTCCTGACTTGT	Antisense
1007_s_at	593	599	3576	TGCCTGCTCCTGTACTIONTGTCTCAG	Antisense
1007_s_at	425	607	3583	TCCTGTACTIONTGTCTCAGCTTGGGC	Antisense
1007_s_at	552	101	3589	ACTTGTCTCAGCTTGGGCTTCTTC	Antisense
1007_s_at	680	607	3615	TCCTCCATCACCTGAAACACTGGAC	Antisense
1007_s_at	532	139	3713	AAGCCTATACGTTTCTGTGGAGTAA	Antisense
1007_s_at	143	709	3786	TTGGACATCTCTAGTGTAGCTGCCA	Antisense
1007_s_at	285	623	3793	TCTCTAGTGTAGCTGCCACATTGAT	Antisense
1007_s_at	383	479	3799	GTGTAGCTGCCACATTGATTTTCT	Antisense

**Table 1:** Sample source data from the HG-U133A microarray in tab-delimited format.

# observations MM > PM	Probes without SNP		Probes with SNP	
	No. of occurrence	% Occurrence	No. of occurrence	% Occurrence
0	873	52.3%	88	53.0%
1	123	7.4%	14	8.4%
2	92	5.5%	8	4.8%
3	64	3.8%	7	4.2%
4	54	3.2%	2	1.2%
5	60	3.6%	5	3.0%
6	46	2.8%	5	3.0%
7	34	2.0%	4	2.4%
8	48	2.9%	3	1.8%
9	39	2.3%	4	2.4%
10	37	2.2%	6	3.6%
11	54	3.2%	3	1.8%
12	146	8.7%	17	10.2%

**Table 2:** Mismatch to match expression level results.

Probe ID	dbSNP reference	Major allele	Frequency	Minor allele	Frequency
202192_s_at	Rs9545	G	0.932	C	0.068
207611_at	Rs200485	G	0.911	C	0.089
203680_at	Rs257378	C	0.9	G	0.1
201678_x_at	Rs10712	G	0.875	C	0.125
206529_x_at	Rs272679	C	0.872	G	0.128
210732_s_at	Rs2273865	T	0.852	A	0.148
219502_at	Rs1055677	C	0.849	G	0.151
215261_at	Rs12198616	G	0.844	C	0.156
206226_at	Rs1042464	T	0.756	A	0.244
216811_at	Rs11009339	C	0.714	G	0.286
215986_at	Rs219307	G	0.689	C	0.311
221344_at	Rs1011985	G	0.659	C	0.341
214836_x_at	Rs232230	G	0.655	C	0.345
209313_at	Rs8731	G	0.633	C	0.367
210618_at	Rs4654973	C	0.622	G	0.378
217530_at	Rs7447593	C	0.622	G	0.378
219093_at	Rs3755302	T	0.589	A	0.411

216463_at	Rs16849300	G	0.578	C	0.422
207075_at	Rs10754558	G	0.5	C	0.5
219424_at	Rs6613	A	0.5	T	0.5

**Table 3:** Complementary SNP probes with Minor Allele Frequency > 5%.

# MM > PM	Expected % of SNPs*	Observed SNP probes (%)	Observed nonSNP probes (%)
0	5%	6 (30%)	77 (38.3%)
1	35%	0 (0%)	23 (11.4%)
2	10%	0 (0%)	10 (5.0%)
3	30%	1 (5%)	12 (6.0%)
4	5%	1 (5%)	9 (4.5%)
5	10%	2 (10%)	10 (5%)
6	0%	1 (5%)	5 (2.5%)
7	0%	1 (5%)	8 (4.0%)
8	0%	0 (0%)	11 (5.5%)
9	0%	0 (0%)	3 (1.5%)
10	0%	5 (25%)	6 (3%)
11	0%	1 (5%)	9 (4.5%)
12	0%	2 (10%)	18 (9%)

**Table 4:** Probes with MM > PM for SNPs with Minor Allele Frequency > 5%.