Supplementary table 2: Partially overlapping probe sets show similar correlation with cDNA microarray measurements as completely overlapping probe sets. Pearson correlation coefficients with the cDNA microarray measurements on RNA aliquots were calculated for completely overlapping, partially overlapping and non-overlapping probe sets as described in the text. Relative expression ratios were measured and calculated as described in the text. In order to account for the difference in sample size between the various types of data, the information was bootstrapped into 1000 samples of size equal to the corresponding non-overlapping data (It is indicated in the table when bootstrapping was not necessary). The statistical difference was analyzed with a t-test.

133A Method	Type	N	MDA_MB43601 vs HMEC -1	MDA_MB436-2 vs HMEC - 2	HCC1954-1 vs HMEC -1	HCC1954-1 vs HMEC - 2	Mean	Stdev	P-value vs Non-Overlap
MAS5	Non-overlap	2000	0.40	0.35	0.43	0.41	0.40	0.03	
	Overlap (11)	4922	0.61	0.52	0.61	0.62	0.59	0.05	< 0.001
	Mean-Perm-Overlap(11)	1000, 2000	0.61	0.52	0.61	0.62	0.59	0.05	< 0.001
			0.02	0.02	0.02	0.02			
	Overlap (1..10)	1212	0.69	0.63	0.63	0.65	0.65	0.03	< 0.0001
	NO BOOTSTRAP NECESSARY								
dCHIP	Non-overlap	2000	0.52	0.41	0.52	0.49	0.48	0.05	
	Overlap (11)	4922	0.71	0.57	0.71	0.70	0.67	0.07	< 0.01
	Mean-Perm-Overlap(11)	1000, 2000	0.71	0.58	0.71	0.70	0.67	0.07	< 0.01
			0.02	0.02	0.02	0.02			
	Overlap (1..10)	1212	0.80	0.70	0.76	0.73	0.75	0.04	< 0.001
	NO BOOTSTRAP NECESSARY								
RMA	Non-overlap	2000	0.50	0.43	0.54	0.55	0.51	0.05	
	Overlap (11)	4922	0.70	0.60	0.72	0.73	0.69	0.06	< 0.01
	Mean-Perm-Overlap(11)	1000, 2000	0.70	0.60	0.72	0.73	0.69	0.06	< 0.01
			0.02	0.02	0.02	0.02			
	Overlap (1..10)	1212	0.77	0.70	0.74	0.74	0.74	0.03	< 0.001

133B Method	Type	N	MDA_MB43601 vs HMEC -1	MDA_MB436-2 vs HMEC - 2	HCC1954-1 vs HMEC -1	HCC1954-1 vs HMEC - 2	Mean	Stdev	P-value vs Non-Overlap
MAS5	Non-overlap	556	0.38	0.26	0.40	0.39	0.36	0.07	
	Overlap (11)	544	0.60	0.57	0.69	0.64	0.63	0.05	< 0.001
	NO BOOTSTRAP NECESSARY								
	Overlap (1..10)	207	0.45	0.27	0.58	0.43	0.43	0.13	0.32
	NO BOOTSTRAP NECESSARY								
dCHIP	Non-overlap	556	0.40	0.29	0.51	0.49	0.42	0.10	
	Overlap (11)	544	0.69	0.60	0.76	0.73	0.70	0.07	< 0.01
	NO BOOTSTRAP NECESSARY								
	Overlap (1..10)	207	0.60	0.45	0.66	0.66	0.59	0.10	0.06
	NO BOOTSTRAP NECESSARY								
RMA	Non-overlap	556	0.40	0.32	0.55	0.55	0.45	0.11	
	Overlap (11)	544	0.65	0.63	0.75	0.76	0.70	0.06	< 0.01
	NO BOOTSTRAP NECESSARY								
	Overlap (1..10)	207	0.62	0.46	0.66	0.64	0.59	0.09	0.1
	NO BOOTSTRAP NECESSARY								

95A Method	Type	N	MDA_MB43601 vs HMEC -1	MDA_MB436-2 vs HMEC - 2	HCC1954-1 vs HMEC -1	HCC1954-1 vs HMEC - 2	Mean	Stdev	P-value vs Non-Overlap
MAS5	Non-overlap	730	0.39	0.36	0.39	0.38	0.38	0.01	
	Overlap (16)	2914	0.59	0.55	0.63	0.65	0.61	0.04	< 0.0001
	Mean-Perm-Overlap(16)	1000, 730	0.60	0.55	0.63	0.66	0.61	0.04	< 0.0001
			0.03	0.04	0.03	0.03			
	Overlap (1 .. 15)	1457	0.64	0.59	0.63	0.67	0.63	0.03	< 0.0001
	Perm-Overlap (1 .. 15)	1000, 730	0.64	0.59	0.63	0.67	0.03	0.00	< 0.0001
			0.03	0.03	0.03	0.02			
dCHIP	Non-overlap	730	0.49	0.39	0.41	0.43	0.43	0.04	
	Overlap (16)	2914	0.67	0.60	0.71	0.73	0.68	0.06	< 0.001
	Mean-Perm-Overlap(16)	1000, 730	0.67	0.60	0.71	0.73	0.68	0.06	< 0.001
			0.04	0.04	0.03	0.03			
	Overlap (1..15)	1457	0.75	0.65	0.75	0.76	0.73	0.05	< 0.0001
	Perm-Overlap (1..15)	1000, 730	0.75	0.66	0.75	0.76	0.03	0.00	< 0.0001
			0.03	0.03	0.03	0.02			
RMA	Non-overlap	730	0.47	0.42	0.45	0.50	0.46	0.03	
	Overlap (16)	2914	0.66	0.61	0.72	0.73	0.68	0.06	< 0.001
	Mean-Perm-Overlap(16)	1000, 730	0.66	0.61	0.72	0.73	0.68	0.06	< 0.001
			0.04	0.04	0.03	0.03			
	Overlap (1..15)	1457	0.72	0.64	0.72	0.75	0.71	0.05	< 0.001
	Perm-Overlap (1..15)	1000, 730	0.72	0.64	0.72	0.75	0.71	0.05	< 0.001