Table SI. Original data from the Gene Expression Omnibus datasets.

A, GSE139038		
Sample	Original sample name in the GEO database	Expression value
GSM4127934	breast cancer_24 [hoae150]	1.15
GSM4127936	breast cancer_25 [hoae151]	3.04
GSM4127938	breast cancer_26 [hoae157]	0.64
GSM4127940	breast cancer_27 [hoae168]	0.94
GSM4127942	breast cancer_28 [hoae169]	-0.16
GSM4127944	breast cancer_29 [hoae170]	0.53
GSM4127946	breast cancer_30 [hoae173]	2.18
GSM4127948	breast cancer_31 [hoae174]	2.02
GSM4127950	breast cancer_32 [hov157]	0.83
GSM4127952	breast cancer_33 [hov158]	0.07
GSM4127954	breast cancer_34 [hov162]	-0.60
GSM4127956	breast cancer_35 [hov180]	0.43
GSM4127958	breast cancer_36 [hov192]	-0.49
GSM4127960	breast cancer_37 [hov208]	-1.84
GSM4127962	breast cancer_38 [hov212]	-1.45
GSM4127964	breast cancer_39 [hov219]	-0.36
GSM4127966	breast cancer_40 [hov224]	1.33
GSM4127968	breast cancer_41 [hov228]	0.92
GSM4127935	paired normal of breast cancer_24 [hoae190]	1.44
GSM4127937	paired normal of breast cancer_25 [hoae195]	1.02
GSM4127939	paired normal of cancer_26 [hoae183]	2.49
GSM4127941	paired normal of breast cancer_27 [hoae184]	1.86
GSM4127943	paired normal of breast cancer_28 [hoae188]	1.36
GSM4127945	paired normal of breast cancer_29 [hoae189]	1.73
GSM4127947	paired normal of breast cancer_30 [hoae192]	1.78

GSM4127949	paired normal of breast cancer_31 [hoae191]	1.22
GSM4127951	paired normal of breast cancer_32 [hov246]	1.51
GSM4127953	paired normal of breast cancer_33 [hoae172]	2.28
GSM4127955	paired normal of breast cancer_34 [hov179]	1.18
GSM4127957	paired normal of breast cancer_35 [hoae205]	2.44
GSM4127959	paired normal of breast cancer_36 [hoae200]	2.68
GSM4127961	paired normal of breast cancer_37 [hov253]	0.52
GSM4127963	paired normal of breast cancer_38 [hov233]	1.86
GSM4127965	paired normal of breast cancer_39 [hoae204]	1.35
GSM4127967	paired normal of breast cancer_40 [hov251]	1.61
GSM4127969	paired normal of breast cancer_41 [hoae203]	2.55
B, GSE115144		
Sample	Original sample name in the GEO database	Expression value
GSM3167528	4014_carcinoma	7.12
GSM3167530	4133_carcinoma	8.06
GSM3167532	4171_carcinoma	9.21
GSM3167534	4185_carcinoma	7.23
GSM3167536	4198_carcinoma	7.19
GSM3167538	4230_carcinoma	7.56
GSM3167540	4232_carcinoma	8.29
GSM3167542	4235_carcinoma	8.38
GSM3167544	4288_carcinoma	9.45
GSM3167546	4290_carcinoma	7.27
GSM3167548	4315_carcinoma	6.80
GSM3167550	4383_carcinoma	7.27
GSM3167552	4411_carcinoma	6.87
GSM3167554	4473_carcinoma	6.67
GSM3167556	4486_carcinoma	8.16

GSM3167558	4493_carcinoma	7.08
GSM3167560	4511_carcinoma	6.97
GSM3167562	4514_carcinoma	6.97
GSM3167564	4618_carcinoma	8.89
GSM3167566	4632_carcinoma	7.01
GSM3167568	4640_carcinoma	6.88
GSM3167527	4014_para-carcinoma	8.20
GSM3167529	4133_para-carcinoma	9.06
GSM3167531	4171_para-carcinoma	8.47
GSM3167533	4185_para-carcinoma	8.44
GSM3167535	4198_para-carcinoma	9.55
GSM3167537	4230_para-carcinoma	10.06
GSM3167539	4232_para-carcinoma	7.57
GSM3167541	4235_para-carcinoma	8.47
GSM3167543	4288_para-carcinoma	10.06
GSM3167545	4290_para-carcinoma	7.82
GSM3167547	4315_para-carcinoma	10.16
GSM3167549	4383_para-carcinoma	8.70
GSM3167551	4411_para-carcinoma	8.18
GSM3167553	4473_para-carcinoma	8.92
GSM3167555	4486_para-carcinoma	9.91
GSM3167557	4493_para-carcinoma	9.39
GSM3167559	4511_para-carcinoma	8.57
GSM3167561	4514_para-carcinoma	8.97
GSM3167563	4618_para-carcinoma	9.13
GSM3167565	4632_para-carcinoma	7.91
GSM3167567	4640_para-carcinoma	8.00
C, GSE109169		
Sample	Original sample name in the GEO database	Expression

		value
GSM2934482	2102-Tumor	7.01
GSM2934484	2110-Tumor	6.64
GSM2934486	2146-Tumor	8.24
GSM2934488	2181-Tumor	6.22
GSM2934490	2190-Tumor	6.67
GSM2934492	2280-Tumor	6.85
GSM2934494	2297-Tumor	7.27
GSM2934496	2353-Tumor	6.74
GSM2934498	2365-Tumor	6.95
GSM2934500	2397-Tumor	7.08
GSM2934502	2451-Tumor	6.92
GSM2934504	2454-Tumor	6.98
GSM2934506	2706-Tumor	6.76
GSM2934508	2780-Tumor	8.02
GSM2934510	2910-Tumor	6.72
GSM2934512	2917-Tumor	6.90
GSM2934514	2943-Tumor	6.90
GSM2934516	2972-Tumor	6.35
GSM2934518	2985-Tumor	6.82
GSM2934520	3156-Tumor	6.63
GSM2934522	3159-Tumor	6.66
GSM2934524	3197-Tumor	7.30
GSM2934526	3232-Tumor	7.10
GSM2934528	3297-Tumor	6.74
GSM2934530	3355-Tumor	7.41
GSM2934481	2102-Normal	7.78
GSM2934483	2110-Normal	9.27
GSM2934485	2146-Normal	10.09

GSM2934487	2181-Normal	10.53
GSM2934489	2190-Normal	7.79
GSM2934491	2280-Normal	9.51
GSM2934493	2297-Normal	9.20
GSM2934495	2353-Normal	9.86
GSM2934497	2365-Normal	7.84
GSM2934499	2397-Normal	8.79
GSM2934501	2451-Normal	8.24
GSM2934503	2454-Normal	9.73
GSM2934505	2706-Normal	8.92
GSM2934507	2780-Normal	10.93
GSM2934509	2910-Normal	8.11
GSM2934511	2917-Normal	8.59
GSM2934513	2943-Normal	7.99
GSM2934515	2972-Normal	11.07
GSM2934517	2985-Normal	9.27
GSM2934519	3156-Normal	9.12
GSM2934521	3159-Normal	11.01
GSM2934523	3197-Normal	10.46
GSM2934525	3232-Normal	8.16
GSM2934527	3297-Normal	10.77
GSM2934529	3355-Normal	9.44

GEO, Gene Expression Omnibus.