

Supplementary Table S1: Summary of Affymetrix microarray datasets used in this study

Dataset	Data Source	% of samples (complete datasets)									No. of samples						
		Age ≤50	Tumor size ≤2cm		LNN	G3	No systemic treatment	endocrine treatment	chemotherapy	Relapse	total	TNBC	included TNBC	Dataset Comparability metric C	DMFS data only	surgical biopsies	Reference
Rotterdam-EMC344	GSE2034, GSE5327	55	35	100	72	100	0	0	28	344	82	82	0.0085	x	+	i,ii,iii	
TransBIG	GSE7390	80	18	100	75	100	0	0	43	198	40	40	0.0110		+	iv	
Mainz	GSE11121	33	33	100	71	100	0	0	38	200	21	21	0.0115	x	+	v	
Stockholm	GSE1456				74	45	55	0	40	159	25	25	0.0119		+	vi	
Uppsala	GSE3494 (n=251), GSE6232 (n=5), GSE4922 (n=1), GSE2990 (n=1)	37	41	68	59	86	14	0	26	258	27	27	0.0124		+	vii,viii	
Frankfurt-2	This study	50	0	39	56				33	67	19	19	0.0146			ix	
Frankfurt	This study	33	42	83	83	0	0	100	33	119	24	24	0.0155		+	x	
New York	GSE2603	40	11	49		0	4	96	48	99	35	35	0.0155	x	+	xi	
Oxford-Untreated	GSE2990 (n=61), GSE6532 (n=8)	54	46	100	60	100	0	0	45	69	13	13	0.0157		+	xii	
Hamburg-2	This study	0	0	71	40	0	100	0	20	77	7	7	0.0180	x	+	xiii	
Hamburg-1	This study	53	33	80	86	0	0	100	47	77	15	15	0.0182		+	xiv	
Signapore	GSE5364									183	36	36	0.0186		+	xv	
MDA133	mdanderson.org	38	21	24	83					133	29	29	0.0189		-	xvi	
Boston	GSE3744				100					40	16	16	0.0224		+	xvii	
Tampa	GSE10780									39	5	5	0.0262		+	xviii	
Rotterdam-EMC204	GSE12276	55	22		71	63	25	13		204	56	0	0.0320		+	xix	
MDA100	GSE16716	48	3	18	73	0	0	100		100	33	0	0.0327		-	xx	
EORTC	GSE1561		0	43	68					49	21	0	0.0338		-	xxi	
Genentech	GSE12763									30	5	0	0.0389		+	xxii	
Frankfurt-3	This study	0	50	50	50	0	100	0	50	52	2	0	0.0427		+	xxiii	
San Francisco	E-TABM-158	52	35	52	45	17	13	70	22	118	23	0	0.0441	x	+	xxiv	
Paris	GSE13787				100					23	10	0	0.0487		+	xxv	
Berlin	GSE6596	29	29		71					24	7	0	0.0598		+	xxvi	
Veridex-Tam	GSE12093			100		0	100	0	0	136	1	0	0.0650	x	+	xxvii	
London-2	GSE9195	0	100	100	100	0	100	0	0	77	2	0	0.0663		+	xxviii	
London	GSE6532	50	0	0	100	0	100	0	50	87	2	0	0.0687		+	xxix	
expO	GSE2109	35	33	42	83					301	22	0	0.1001		+	xxx	
Edinburgh	GSE5462					0	100	0		116	1	0	0.1285		-	xxxi	
Oxford-Tamoxifen	GSE6532									109	0		n.a.			xii	
TOTAL:		48	25	68	72	57	12	31	35	3488	579	394			495		

Remarks: Datasets are sorted according to the comparability of the microarrays of only TNBC samples. The complete TransBIG dataset contains independent replicate samples from 19 patients of the Uppsala cohort and 22 patients of the Oxford-Untreated cohort. Affymetrix HG-U133A microarrays were applied in all studies except that in part HG-U133Plus arrays were used in datasets GSE2109, GSE3744, GSE6532, GSE9195, GSE10780, GSE12763, GSE12276, and GSE13787. In these cases only the probe sets identical to HG-U133A arrays were used.

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