

Supplementary Table S1. Basic patient and tumor characteristics of the breast cancer TCGA cohort used for the analyses.

Age	Median	Range			
	58	26-90			
Menopause	Pre-	Post-	Peri-	Missing	
	117	337	14	36	
Stage	Stage 1	Stage 2	Stage 3	Stage 4	Missing
	88	299	98	6	13
Tumor stage	T1	T2	T3	T4	Tx
	140	293	56	12	3
Node stage	N0	N1	N2	N3	Missing
	252	144	51	27	30
Metastasis stage	M0	M1	Mx	Missing	
	443	6	55	2	
	Positive		Negative		Missing
Estrogen receptor	362		120		22
Progesteron receptor	315		164		25
HER2 (immuno)	50		254		200
HER2 (FISH)	21		151		332