

Table S1. Characteristics of the four breast cancer cell lines that were used in the study.

Cell line	Disease histology	Morphology	Molecular subtype	Tumor source	ER status ¹	PR status ²	HER2 + status ³	Some Mutated Genes
BT-20	Carcinoma	Epithelial	Triple-negative, Luminal Androgen Receptor (LAR)	Primary	-	-	-	<i>CDKN2A, PIK3CA, TP53</i>
MCF-7	Adenocarcinoma	Epithelial	Luminal A	Metastasis, pleural effusion	+	+	-	<i>CDKN2A, GATA3, PIK3CA, TP53</i>
MDA-MB-231	Adenocarcinoma	Epithelial	Triple-negative, Mesenchymal Stem-Like (MSL)	Metastasis, pleural effusion	-	-	-	<i>BRAF, CDKN2A, KRAS, NF2, TP53</i>
MDA-MB-468	Adenocarcinoma	Epithelial	Triple-negative, Basal-Like 1 (BL1)	Metastasis, pleural effusion	-	-	-	<i>PTEN, RB1, SMAD4, TP53</i>

¹estrogen receptor, ²progesterone receptor, ³human epidermal growth factor receptor 2