

Table S1: Summary of the transcriptome datasets used and the molecular profiles of the cell lines. The columns Controls and Treatments list the number of samples in each case. (HER2+: human epidermal receptor 2 positive, LA: luminal A, TN: triple negative, AC: adenocarcinoma, IDC: invasive ductal carcinoma, MC: medullary carcinoma, Wt: wild type, Mut: Mutant, Del: deleted).

Drug	Platform	Cell line	Subtype	Pathology	BRCA1	P53	Controls	Treatments
Actein	Affymetrix Human Array	MDA-MB-453	HER2+	AC	Wt	Del	4	3
CKI	Illumina HiSeq 2500	MCF-7	LA	IDC	Wt	Wt	3	3
I3C	Illumina beadchip	MCF-7	LA	IDC	Wt	Wt	3	3
		T47D	LA	IDC	Wt	Mut	3	3
		ZR751	LA	IDC	Wt	Wt	3	3
		MDA-MB-231	TN	MC	Wt	Mut	3	3
		MDA-MB-157	TN	AC	Wt	Mut	3	3
		MDA-MB-436	TN	AC	Mut	Mut	3	3
WA	Illumina beadchip	MDA-MB-231	TN	MC	Wt	Mut	3	3
		MCF-7	LA	IDC	Wt	Wt	3	3