

Supplementary Table 1. Tumor IHC marker specifics

ANTIBODY	SOURCE	ID	AR	DILUTION
HER2	Dako	A0485	citrate pH6	1:200
HER3	Cell Signaling Technologies	12708	TE pH9	1:100
BCL-2	Dako	M0887	TE pH9	1:50
BCL-X _L	Cell Signaling Technologies	2764	citrate pH6	1:300
EMA	Dako	M0613	citrate pH6	1:100
MCL-1	Ventana	SP143	CC1	10µg/ml
p63	Biocare	CM163A	reveal RTU	1:100

Supplementary Table 2. p-values for Figure 4 comparisons

PDX12		vehicle	ABT-263	T-DM1	T-DM1 + ABT-263	T-DM1 + ^{PULSE} ABT-263
(a) cellular	vehicle	NA	0.1500	0.0500	0.0286	0.0286
(b) stromal	vehicle	NA	0.1500	0.0500	0.0286	0.0571
(c) area	vehicle	NA	0.1345	0.1019	0.0198	0.0168
PDX8		vehicle	ABT-263	T-DM1	T-DM1 + ABT-263	T-DM1 + ^{PULSE} ABT-263
(d) cellular	vehicle	NA	0.0238	0.0079	0.0079	0.0179
(e) stromal	vehicle	NA	0.5000	0.2063	0.0079	0.0179
(f) area	vehicle	NA	0.4945	0.0039	0.0017	0.0013

Supplementary Table 3. p-values for Figure 5 comparisons

BCM-3963		vehicle	ABT-263	T-DM1	T-DM1 + ABT-263
(e) area	vehicle	NA	0.3256	0.0918	0.0800
(f) cellular	vehicle	NA	0.0286	0.0143	0.0143
BCM-4888		vehicle	ABT-263	T-DM1	T-DM1 + ABT-263
(k) area	vehicle	NA	0.2714	0.2606	0.1264
(l) cellular	vehicle	NA	0.0357	0.1190	0.0079
BCM-3613		vehicle	ABT-263	T-DM1	T-DM1 + ABT-263
(q) area	vehicle	NA	0.3035	0.0088	0.0142
(r) cellular	vehicle	NA	0.5000	0.4571	0.0571