

Supplementary Table S2. Prior chemotherapy regimens for each subject

Case #	Regimen
1	Trastuzumab/Pertuzumab/Docetaxel
	Ado-trastuzumab Emtansine
	Lapatinib/Trastuzumab
	Capecitabine/Trastuzumab
	Eribulin/Trastuzumab
	XL184/Trastuzumab
	Doxorubicin Hydrochloride Liposome/Trastuzumab
	Gemcitabine/Trastuzumab
	Vinorelbine/Trastuzumab
2	Paclitaxel/Pertuzumab/Trastuzumab
	Ado-trastuzumab Emtansine/Palbociclib
	Trastuzumab/Capecitabine
	Trastuzumab/Eribulin
	Trastuzumab/XL184
3	Capecitabine/Lapatinib/Trastuzumab
	Pertuzumab/Trastuzumab/Vinorelbine
4	Docetaxel/Trastuzumab/Pertuzumab
5	TCH
	Capecitabine
	Ado-trastuzumab Emtansine
	Docetaxel/Trastuzumab/Pertuzumab
6	Ado-trastuzumab Emtansine
	Eribulin/Trastuzumab/Pertuzumab
	Trastuzumab
7	Lapatinib/Capecitabine
	Sorafenib
	Ado-trastuzumab Emtansine
	Trastuzumab/Doxorubicin Hydrochloride Liposome
8	Vinorelbine/Trastuzumab
	Trastuzumab/Vinorelbine/Pertuzumab
9	Pertuzumab/Trastuzumab/Paclitaxel
	Ado-trastuzumab Emtansine
10	Trastuzumab/Pertuzumab
11	Trastuzumab/Paclitaxel/Pertuzumab
	Trastuzumab/Pertuzumab/Denosumab
12	Trastuzumab/Docetaxel/Pertuzumab
	Ado-trastuzumab Emtansine
	Capecitabine/Lapatinib
	Eribulin/Trastuzumab
	Ixabepilone

13	Capecitabine/Lapatinib/Pertuzumab/Tamoxifen
	Ado-trastuzumab Emtansine
14	Trastuzumab/Docetaxel/Pertuzumab
	Ado-trastuzumab Emtansine
15	Lapatinib/Trastuzumab
	Capecitabine/Trastuzumab/Lapatinib
	Trastuzumab/Other Therapy
	Ado-trastuzumab Emtansine
	Trastuzumab/Pertuzumab/Abraxane
	Trastuzumab/Lapatinib/Entinostat
	Trastuzumab/Lapatinib
	Ado-trastuzumab Emtansine
	Trastuzumab
	Trastuzumab/Lapatinib
	Trastuzumab/Pertuzumab/Taselisib
	Cisplatin/Trastuzumab
	Lapatinib/Trastuzumab
	Trastuzumab/Eribulin
	Doxorubicin Hydrochloride Liposome/Trastuzumab
16	Docetaxel/Trastuzumab/Carboplatin/Pertuzumab
	Ado-trastuzumab Emtansine
	Lapatinib/Capecitabine
	Neratinib
17	Trastuzumab/Pertuzumab
18	Docetaxel/Trastuzumab/Pertuzumab