

**Supplementary table 1 – In vivo, EVOG and clinical response**

SPC_ID	Treatment	Clinical response to treatment at PDX generation	EVOG score	In-vivo response (treatment/control)
SPC_143	cisplatin	No	53.7	112
SPC_126	cisplatin	No	8.5	115
SPC_187	cisplatin	No	8	115
SPC_291	cisplatin	No	21.5	76
SPC_185	cisplatin	No	32	
SPC_265	cisplatin	No	49	
SPC_375	cisplatin	No	29	
SPC_421	cisplatin	No	32	
SPC_418	cisplatin	No	14	
SPC_135	cisplatin	No	66	
SPC_321	cisplatin	No	56	
SPC_259	cisplatin	No	69	41
SPC_145	cisplatin	Yes	66.5	84
SPC_123	cisplatin	Yes	87	19
SPC_203	cisplatin	Yes	76.5	31
SPC_326	cisplatin	Yes	69	
SPC_467	cisplatin	Yes	100	5.9
SPC_285	cisplatin	UNK	94.8	26
SPC_143	PARPi	No	26.7	215
SPC_126	PARPi	No	0	125
SPC_187	PARPi	No	16	120
SPC_185	PARPi	No	16	
SPC_265	PARPi	No	49.1	
SPC_421	PARPi	No	37	
SPC_305	PARPi	No	15.1	
SPC_145	PARPi	No	61.1	
SPC_123	PARPi	Yes	63.8	61
SPC_203	PARPi	Yes	82	
SPC_259	PARPi	UKN	16	68
SPC_467	PARPi	UKN	100	41.9