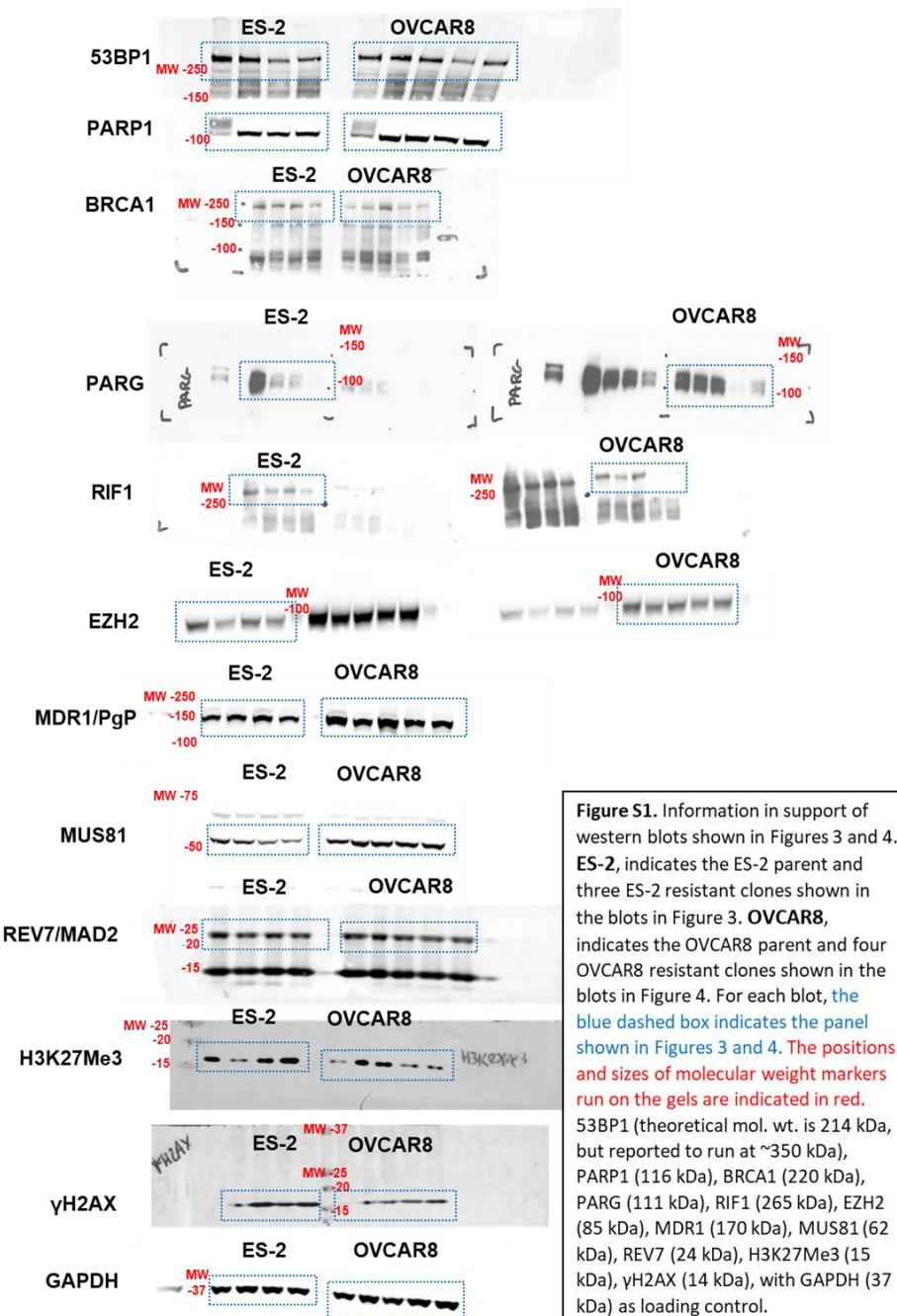


*Supplementary Materials*

# Identifying and Overcoming Mechanisms of PARP Inhibitor Resistance in Homologous Recombination Repair-Deficient and Repair-Proficient High Grade Serous Ovarian Cancer Cells

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**Figure S1.** Information in support of western blots shown in Figures 3 and 4. **ES-2**, indicates the ES-2 parent and three ES-2 resistant clones shown in the blots in Figure 3. **OVCAR8**, indicates the OVCAR8 parent and four OVCAR8 resistant clones shown in the blots in Figure 4. For each blot, the blue dashed box indicates the panel shown in Figures 3 and 4. The positions and sizes of molecular weight markers run on the gels are indicated in red. 53BP1 (theoretical mol. wt. is 214 kDa, but reported to run at ~350 kDa), PARP1 (116 kDa), BRCA1 (220 kDa), PARG (111 kDa), RIF1 (265 kDa), EZH2 (85 kDa), MDR1 (170 kDa), MUS81 (62 kDa), REV7 (24 kDa), H3K27Me3 (15 kDa), γH2AX (14 kDa), with GAPDH (37 kDa) as loading control.

**Figure S1.** Information in support of western blots shown in Figures 3 and 4.

**Table S1.** Antibodies used for western blots.

Antibody	Supplier	Cat. No.	Dilution	Species
53BP1	Novus	NB100-305	1/1000	Rabbit
BRCA1 (Ab-1) (clone MS110)	Millipore	OP92	1/1000	Mouse mAB
EZH2	Cell Signaling	3147S	1/1000	Mouse
$\gamma$ H2AX (P-Ser139) (clone JBW301)	Merck Millipore	05-636	1/2000	Mouse mAB
H3K27Me3	Cell Signaling	9733S	1/1000	Rabbit
MDR1/PgP	Cell Signaling	12683	1/1000	Rabbit
Mus81	Sigma	M1445	1/2000	Mouse
PARG (clone D8B10)	Millipore	MABS61	1/1000	Mouse mAB
PARP1 (clone 46D11)	Cell Signaling	#9532	1/1000	Rabbit mAB
Rev7/MAD2	Abcam	ab180579	1/500	Rabbit
RIF1	Cell Signaling	95558-S	1/1000	Rabbit
GAPDH (clone 14C10)	Cell Signaling	#2118L	1/10000	Rabbit mAB



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