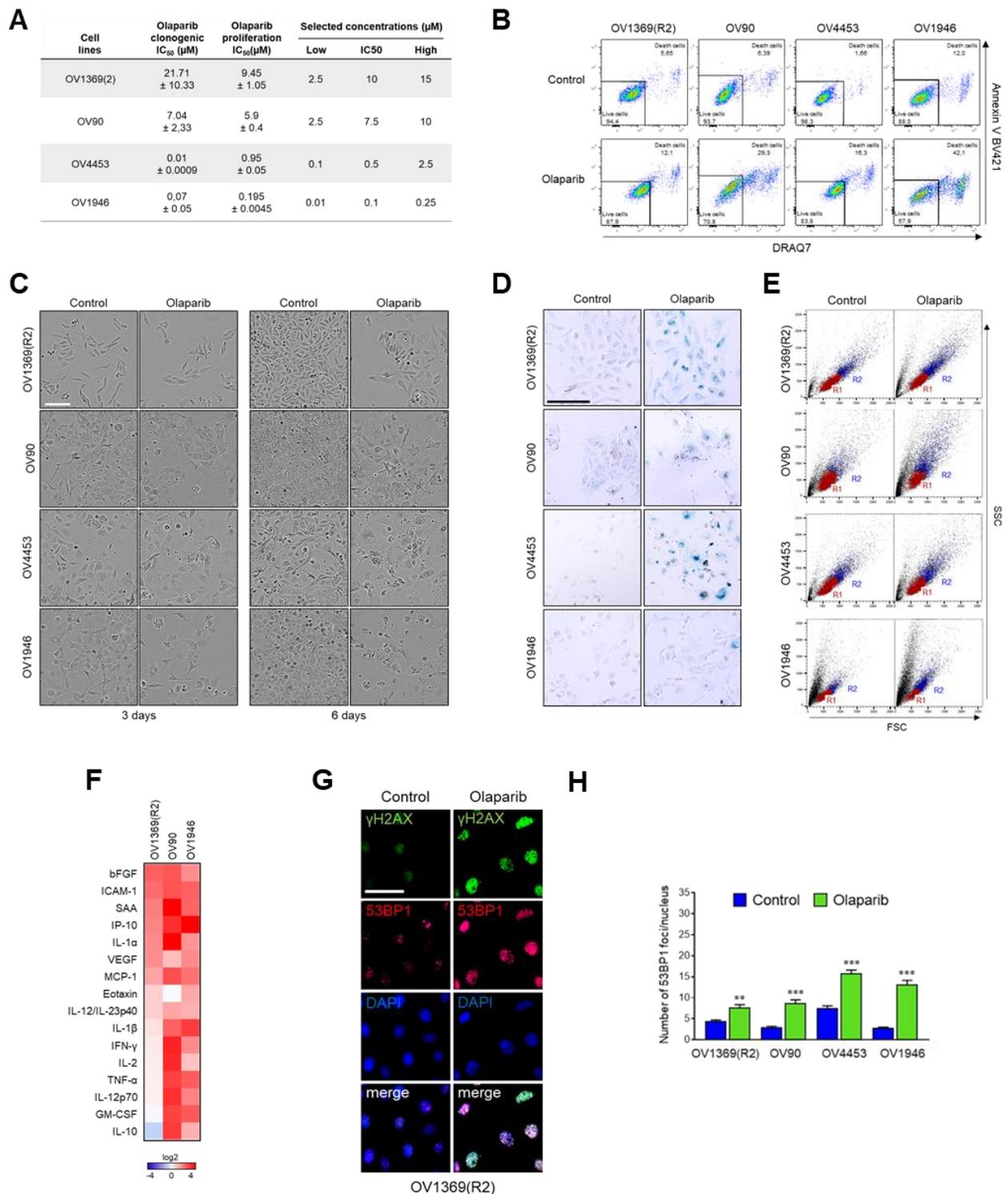


**Exploiting interconnected synthetic lethal interactions between PARP inhibition
and cancer cell reversible senescence**

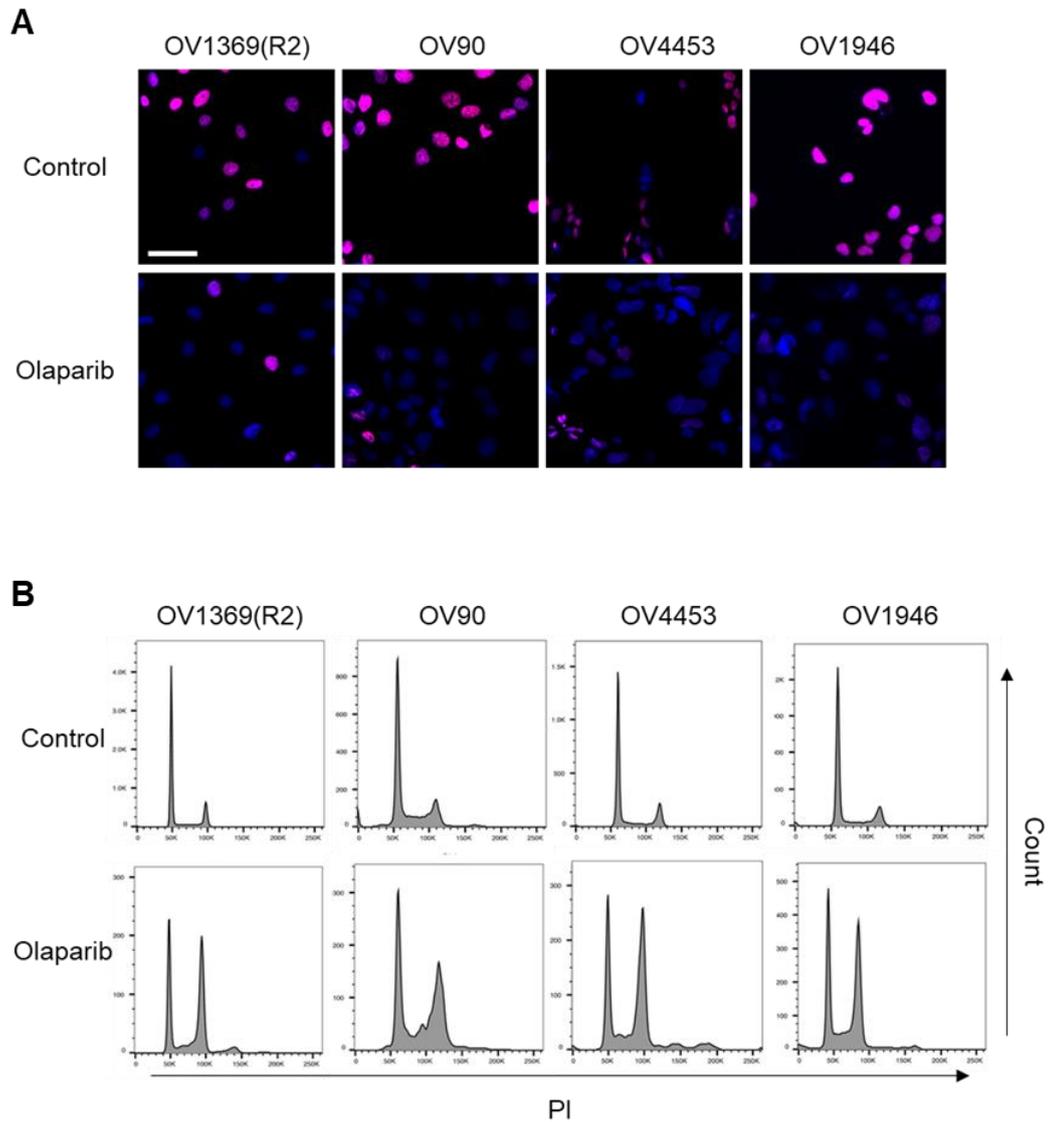
Fleury et al.



Supplementary Figure 1. Olaparib induces a senescent phenotype in HGSOC cell lines.

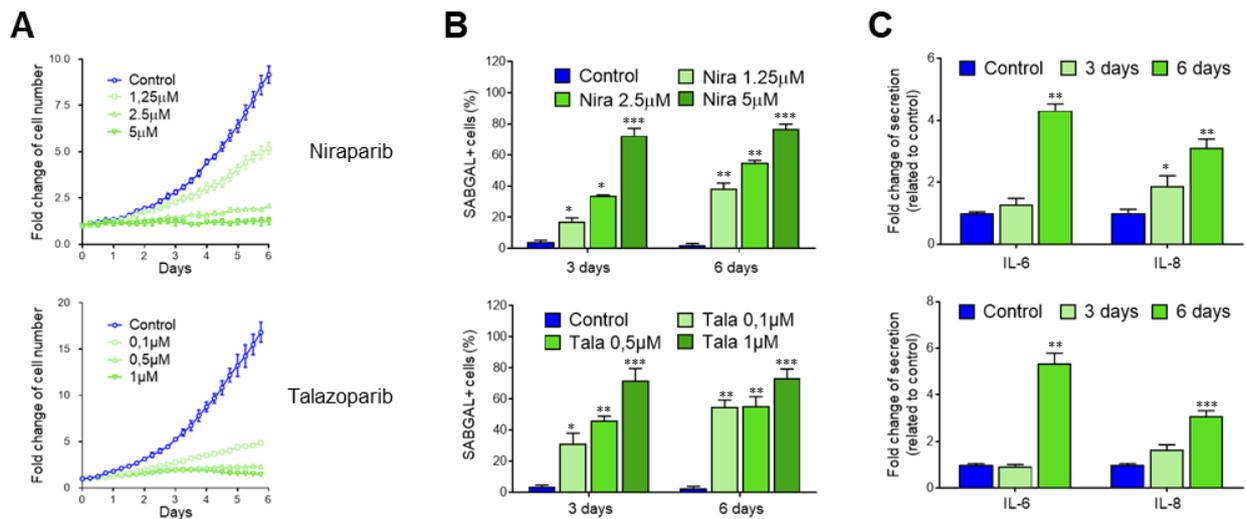
A) Table of Olaparib IC₅₀ (μM) displaying mean ± SEM data obtained by previous clonogenic assays⁴ or by proliferation assays after 6 days of treatment. These data determined the low, IC₅₀ and high concentrations used in this study. **B)** Representative flow cytometry analysis of apoptosis showing DRAQ7 positive cell population (X-axis) and AnnexinV positive cells (Y-axis) at day 6. Scale bar, 150μm. **C)** Images represent control and Olaparib-treated HGSOC cells at day 3 and 6 of Olaparib IC₅₀ treatment. **D)** Representative morphology and SAβgal staining image for HGSOC cells treated

for 6 days with Olaparib IC₅₀ concentration. Scale bar, 200µm. **E)** Representative flow cytometry analysis of the cell population plot for forward scatter factor (FSC, indicative of size, X-axis) and side scatter factor (SSC, indicative of granularity, Y-axis) (R2 (blue) =high FSC and SSC; R1 (red) = normal FSC and SSC) after 6 days of Olaparib IC₅₀ concentration. **F)** Levels of secreted cytokines were measured by MSD serum based multiplex assay following 6 days treatment with Olaparib IC₅₀ concentrations. **G)** Representative images of immunofluorescence of γH2AX (green) and 53BP-1 (Red) in OV1369(R2) cells untreated or treated 6 days with 5µM of Olaparib. Nuclei were counterstained with DAPI (bleu). Scale bar, 50µm. **H)** Number of 53BP1 foci per nucleus in HGSOc cells lines treated with Olaparib IC₅₀ concentrations for 6 days. Data in **(B-E, G)** are a representation of at least three independent experiments. For all the data, the mean ± SEM of three independent experiments is shown. Data were analyzed using the two-tail Student t-test. * Denotes $p < 0.05$, ** $p < 0.01$, and *** $p < 0.001$.



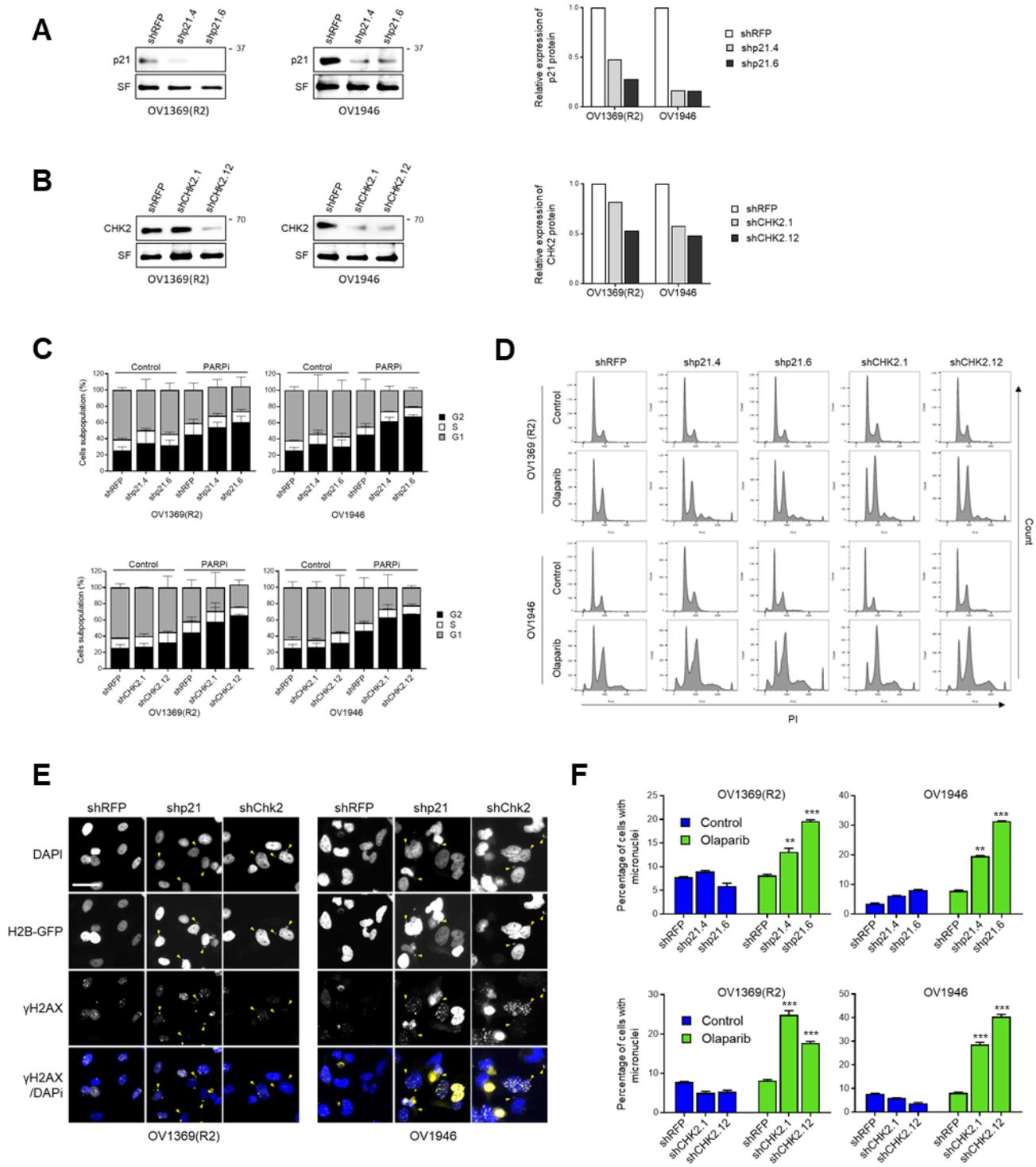
Supplementary Figure 2. Olaparib induces a stalled cell cycle in HGSOC cells.

A) Representative images of 8-hour EdU (Red) pulse after 6 days exposure of HGSOC cells to Olaparib IC₅₀ concentrations. Nuclei were counterstained with DAPI (bleu). Scale bar, 50μm. **B)** Representative flow cytometry analysis of cell cycle showing PI levels (X-axis) and cell count (Y-axis) at day 6. Data in **(B)** are a representation of at least three independent experiments.



Supplementary Figure 3. Other PARPis also induce the senescence-like phenotype in HGSOc cells.

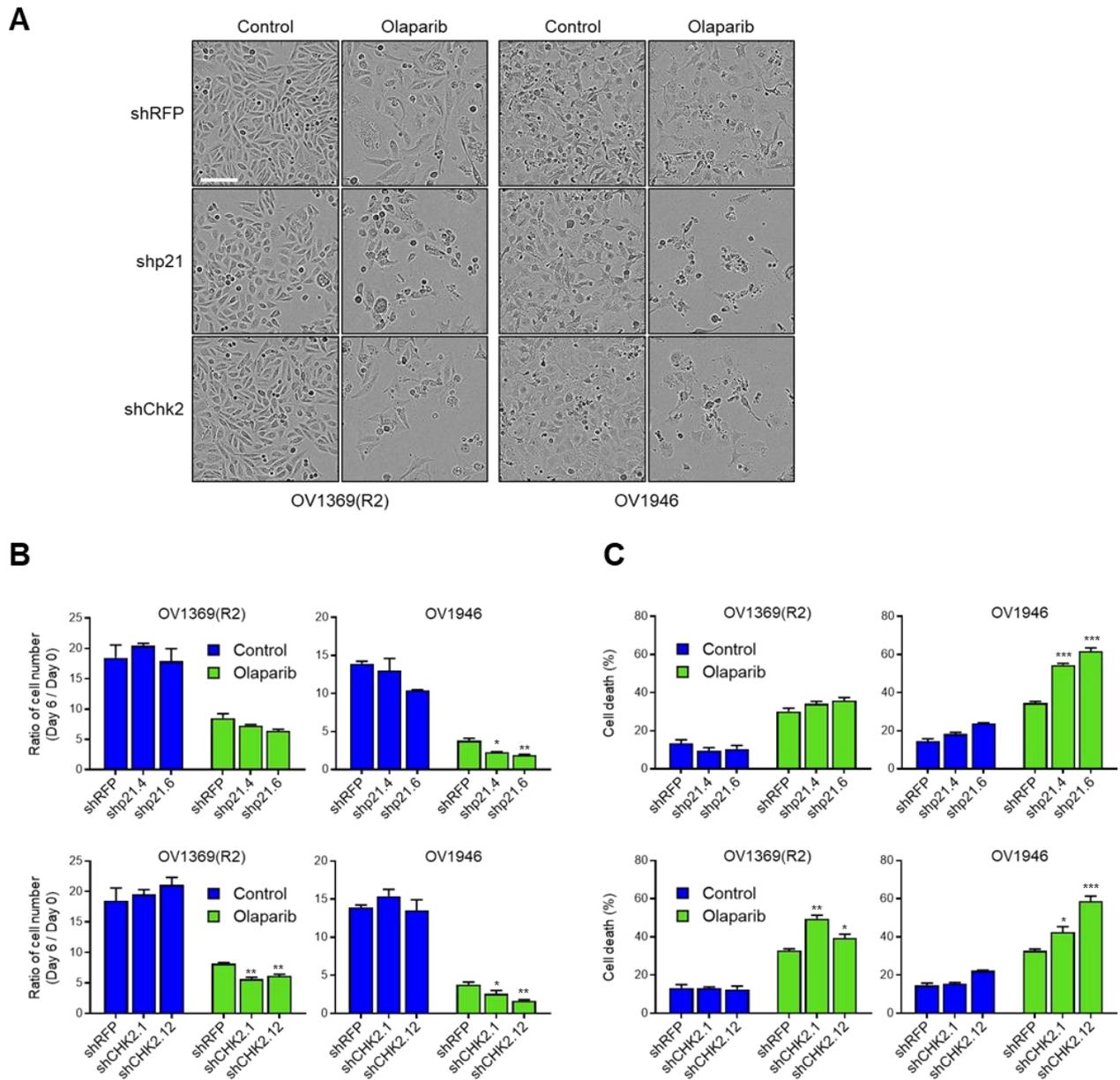
A) Cell proliferation curves were plotted with OV1369(R2) H2B-GFP cell line exposed to increasing concentrations of Niraparib or Talazoparib. **B-C)** Analyses of OV1369(R2) after 3 or 6 days in different concentrations of Niraparib and Talazoparib for levels of SA- β -gal positive cells (**B**) or 2.5 μ M Niraparib and 0.5 μ M Talazoparib for IL-6 and IL-8 levels (**C**). Data in (**A**) are representative curves of at least three independent experiments. For all the data, the mean \pm SEM of three independent experiments is shown. Data were analyzed using the two-tail Student t-test. * Denotes $p < 0.05$, ** $p < 0.01$, and *** $p < 0.001$



Supplementary Figure 4. Cell fate of HGSOC cells after p21 or Chk2 knockdown.

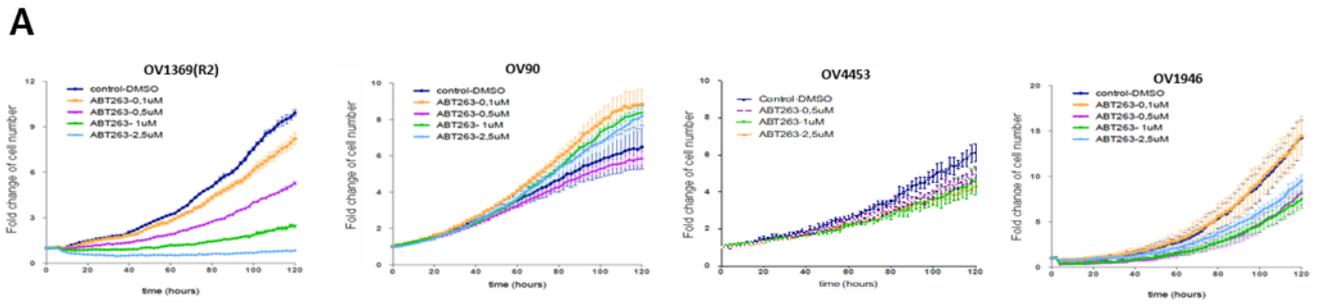
A-B) Western blot showing protein silencing by shRNA against p21 (**A**) or Chk2 (**B**) in HGSOC cells. **C)** Flow cytometry analysis of cell cycle populations following 6 days exposure of shp21 or shChk2 infected HGSOC cells to Olaparib IC₅₀ concentrations. **D)** Representative flow cytometry analysis of DNA content (PI) following 6 days exposure of shp21 or shChk2 infected HGSOC cells to Olaparib IC₅₀ concentrations. **E)** Representative images of γ-H2AX (yellow) immunofluorescence and micronuclei after 6 days of Olaparib IC₅₀ treatment compared with non-treated controls. Yellow arrows represent micronuclei. Nuclei were counterstained with DAPI (bleu). Scale bar, 50µm. **F)**

Number of micronuclei per cells in shp21 or shChk2 infected HGSOC cells after 6 days of Olaparib IC_{50} were determined by analyzing >150 cells per condition. Data in **(A, D)** are a representation of at least three independent experiments. For all the data, the mean \pm SEM of three independent experiments is shown. Data were analyzed using the two-tail Student t-test. * Denotes $p < 0.05$, ** $p < 0.01$, and *** $p < 0.001$.



Supplementary Figure 5. Cell viability of HGSOC cells after p21 or Chk2 knockdown.

A) Representative images in phase-contrast microscopy of OV1369(R2) and OV1946 HGSOC cell lines, expressing shRFP, shp21 or shChk2, which were exposed to Olaparib IC₅₀ concentrations for 6 days. Scale bar, 150µm. **B)** Fold change in cell number in shp21 or shChk2 infected HGSOC H2B-GFP cells treated to Olaparib IC₅₀ concentrations. **C)** Percentage of dead cells analyzed by flow cytometry of shp21 or shChk2 infected HGSOC H2B-GFP cells treated to Olaparib IC₅₀ concentrations. For all the data, the mean ± SEM of three independent experiments is shown. Data were analyzed using the two-tail Student t-test. * Denotes $p < 0.05$, ** $p < 0.01$, and *** $p < 0.001$



B

	OV1369(R2)		OV90		OV1946		OV4453	
	Olaparib	ABT-263	Olaparib	ABT-263	Olaparib	ABT-263	Olaparib	ABT-263
Ratio	75	1	7.5	1	0.1	1	0.1	1
D1	1	0.013	1	0.13	0.001	0.01	0.001	0.01
D2	2.5	0.03	2.5	0.33	0.01	0.1	0.01	0.01
D3	5	0.07	5	0.66	0.05	0.5	0.05	0.05
D4	7.5	0.1	7.5	1	0.1	1	0.1	1
D5	10	0.13	10	1.33	0.2	2	0.2	2
D6	15	0.2	15	2	0.3	3	0.3	3
D7	25	0.33	25	3.33	0.5	5	0.5	5

C

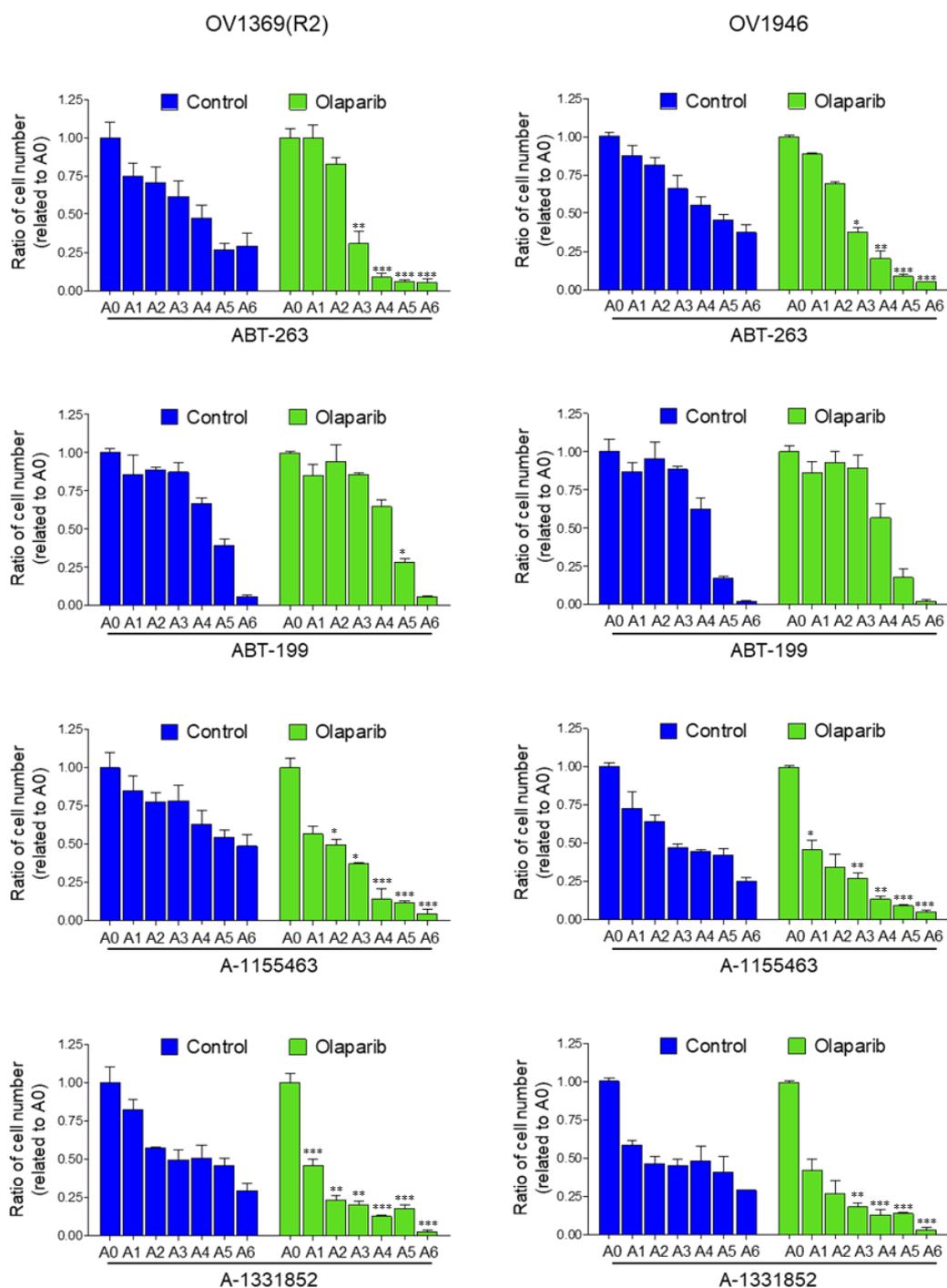
Name	Target	IC ₅₀ (μM)- OV1369(R2)	IC ₅₀ (μM)- OV1946
ABT-263	BCL-2; BCL-XL	0,34	2,58
ABT-199	BCL-2	4,38	6,06
A-1155463 (A115)	BCL-XL	1,94	27,7
A-1331852 (A133)	BCL-XL	0,07	4,2

D

	OV1369(R2)					OV1946			
	ABT-263	ABT-199	A133	A115		ABT-263	ABT-199	A133	A115
A1	0,05	0,5	0,01	0,025	A1	0,25	0,5	0,5	0,5
A2	0,1	1	0,025	0,05	A2	0,5	1	1	1
A3	0,25	2,5	0,05	0,1	A3	0,75	2,5	2,5	2,5
A4	0,5	5	0,075	0,5	A4	1	5	5	5
A5	0,75	10	0,1	1	A5	2,5	10	10	10
A6	1	20	0,5	2,5	A6	5	20	20	20

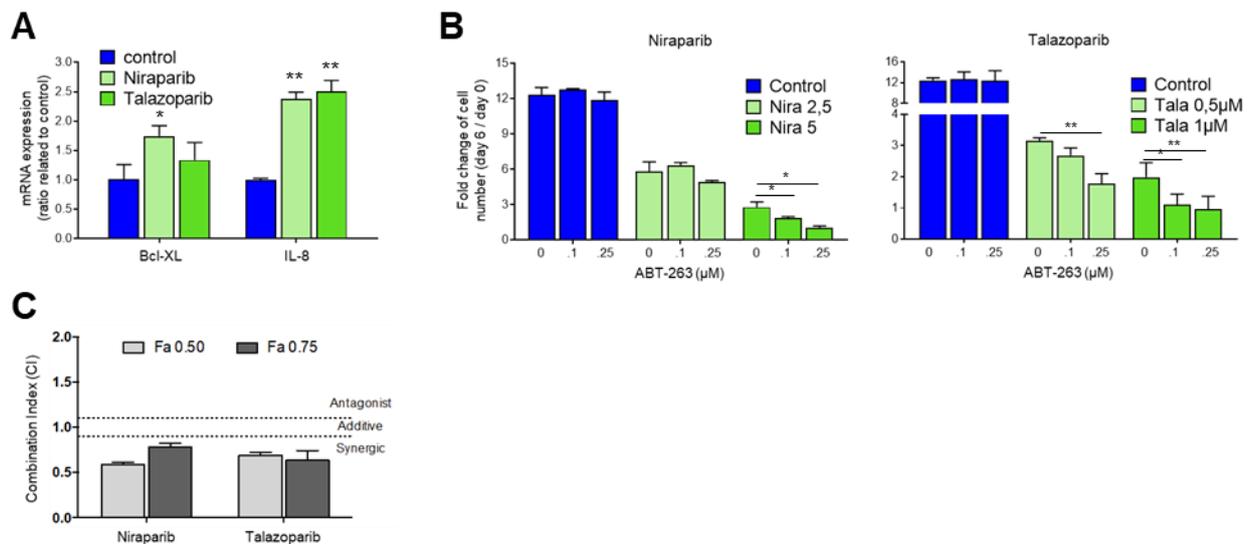
Supplementary Figure 6. Bcl2/Bcl-XL inhibitors synergize with Olaparib in HGSOC cells.

A) Cell proliferation response of HGSOC cells to different concentrations of ABT-263 for 6 days with analysis of cell numbers every 6 hours. Control = non-treated. **B)** Table of Olaparib and ABT-263 doses (μM) used for the CI model study (constant ratio) for OV1369(R2), OV90, OV1946 and OV4453 cells. **C)** Table of ABT-263, ABT-199, A-1155463 and A-1331852 IC₅₀ data obtained after 6 days treatment. **D)** Table of ABT-263, ABT-199, A-1155463 (A115) and A-1331852 (A133) doses (μM) used for the Bliss model study for the OV1369(R2) and OV1946 cell lines. Data in (A,C) are representative curves of at least three independent experiments.



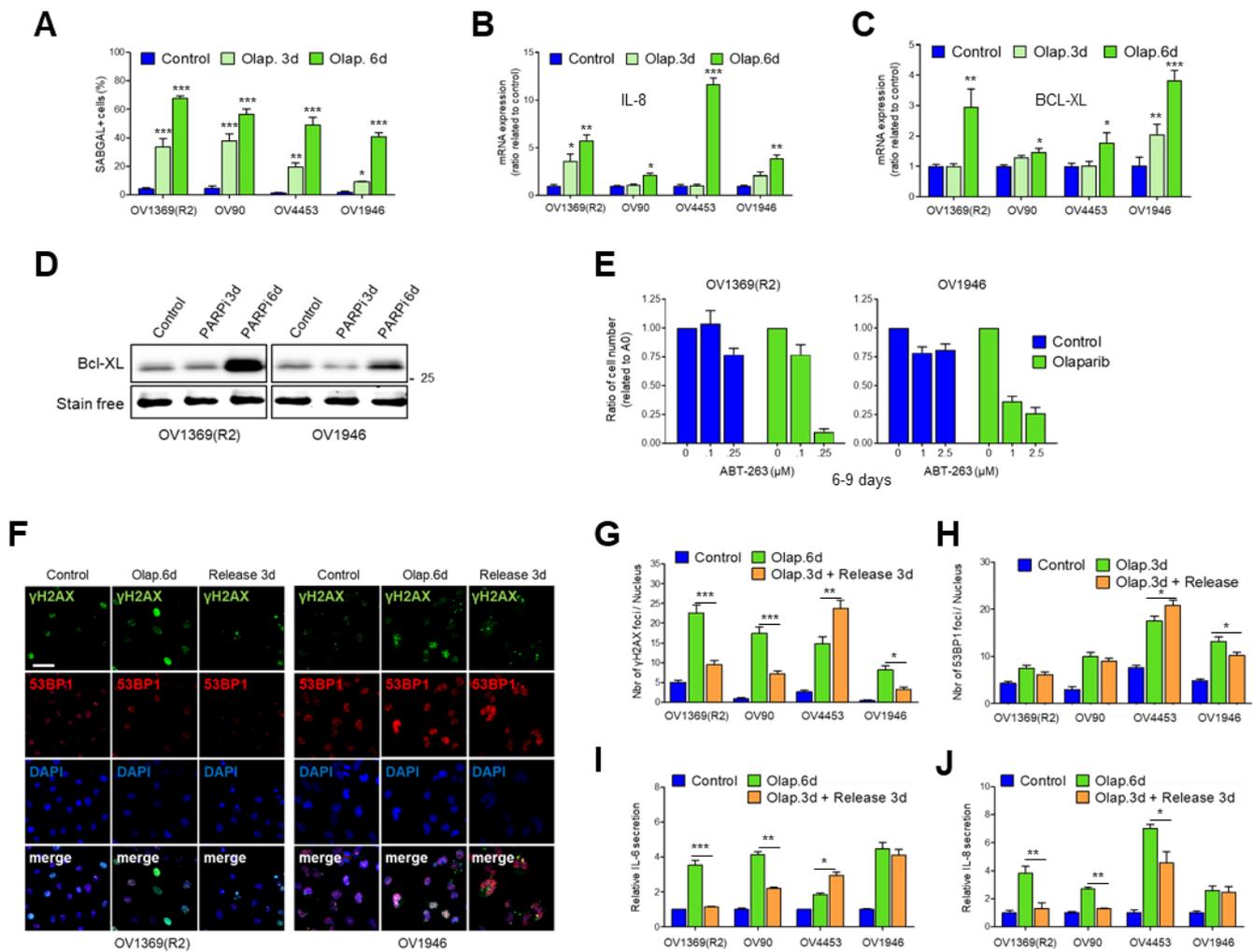
Supplementary Figure 7. Cell viability of Olaparib and distinct Bcl2/Bcl-XL inhibitors co-treatment.

Cells were co-treated with Olaparib IC₅₀ concentrations and a range of ABT-263, ABT-199, A-1155463 or A-1331852 concentrations (see Supplementary Figure 6D) for 6 days. Bar graph shows mean \pm SEM of the fold change in cell numbers on day 6 related to A0 (control non-treated for blue bars; Olaparib-treated for green bars) at different concentrations of Bcl2/Bcl-XL inhibitors added on day 3. For all the data, the mean \pm SEM of three independent experiments is shown. Data were analyzed using the two-tail Student t-test. * Denotes $p < 0.05$, ** $p < 0.01$, and *** $p < 0.001$. Statistical analyses were performed between ABT-263 treated cells with and without Olaparib.



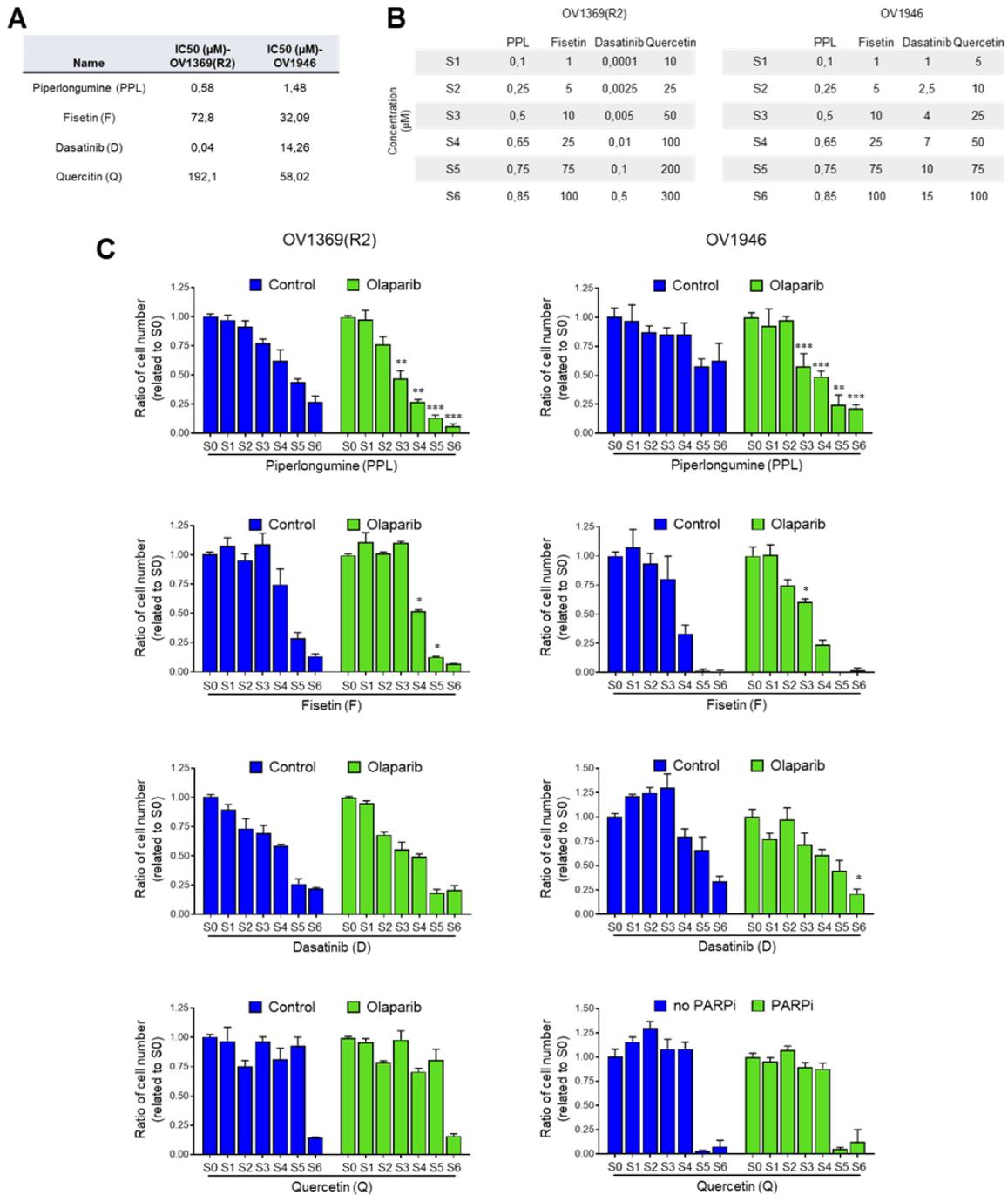
Supplementary Figure 8. Bcl2/Bcl-XL inhibitors synergize with other PARPis in HGSOc cells.

A) Relative mRNA levels of Bcl-XL and IL-8 evaluated by real-time Q-PCR in OV1369(R2) treated with 2.5μM Niraparib or 0.5μM Talazoparib for 6 days. **B)** Fold change in cell number for OV1369(R2) cells co-treated with Niraparib/ABT-263 or Talazoparib/ABT-263 for 6 days. **C)** Bar graph represents the CI at 0.50 and 0.75 fraction affected (Fa) of OV1369(R2) treated with Niraparib/ABT263 (10/1 ratio) or Talazoparib/ABT-263 (2/1 ratio). For all the data, the mean ± SEM of three independent experiments is shown. Data were analyzed using the two-tail Student t-test. * Denotes $p < 0.05$, ** $p < 0.01$, and *** $p < 0.001$



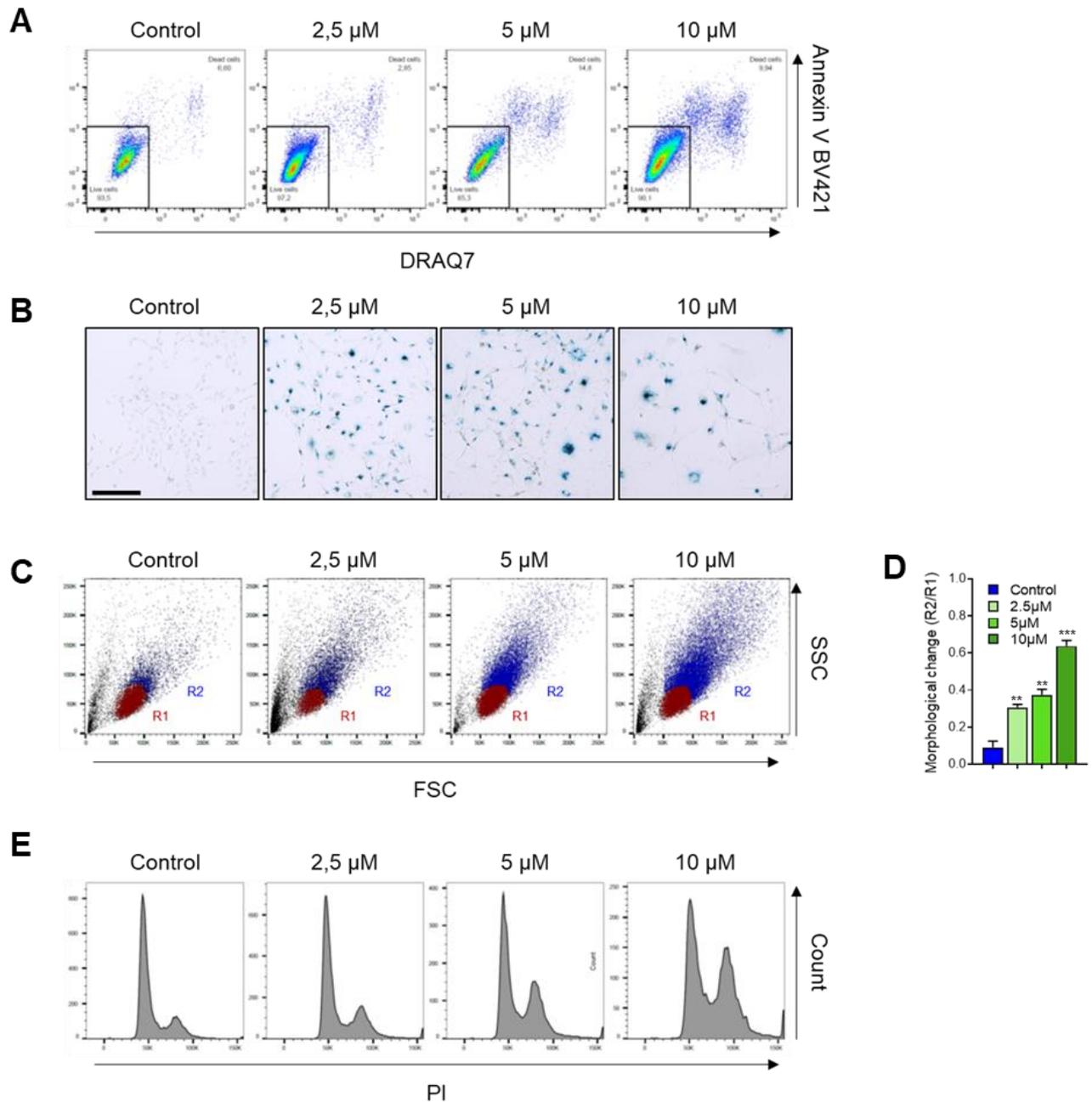
Supplementary Figure 9. Olaparib induces a gradual senescence phenotype targeted by senolytics.

A) SAβgal positive cells following exposure of HGSOc cells to Olaparib (Olap.) IC₅₀ concentrations for 3 or 6 days. **B-C)** Real-time Q-PCR to evaluate the relative mRNA levels of IL-8 (**B**) and BCLXL (**C**) in HGSOc cells treated for 3 or 6 days with Olaparib IC₅₀ concentration. Bars represent mean ± SEM of the fold change expression relative to control obtained in three independent experiments. **D)** Western blot detection of Bcl-XL on HGSOc cells treated with Olaparib for 3 or 6 days. **E)** OV1369(R2) and OV1946 cells were treated with Olaparib IC₅₀ concentrations for 9 days with sequential addition of ABT-263 after 6 days of Olaparib. Bar graph shows mean ± SEM of the fold change in cell number related to A0 (control non-treated for blue bars; Olaparib-treated for green bars) at different ABT-263 concentrations. **F)** Representative images of γ-H2AX (green) and 53BP1 (red) immunostaining after 6 days Olaparib or 3 days Olaparib and then without drug for another 3 days of two selected cell lines [OV1369(R2) and OV1946]. Nuclei were counterstained with DAPI (bleu). Scale bar, 50μm. **G-H)** Cells under Olaparib IC₅₀ treatment, the removal protocol and controls were stained for γ-H2AX (**G**) and 53BP1 (**H**) and analyzed by immunofluorescence imaging. **H-I)** Levels of IL-6 (**H**) and IL-8 (**I**) in HGSOc cells following treatment regimen of Fig.3B. Data in (**D**) are a representation of at least three independent experiments. For all the data, the mean ± SEM of three independent experiments is shown. Data were analyzed using the two-tail Student t-test. * Denotes $p < 0.05$, ** $p < 0.01$, and *** $p < 0.001$



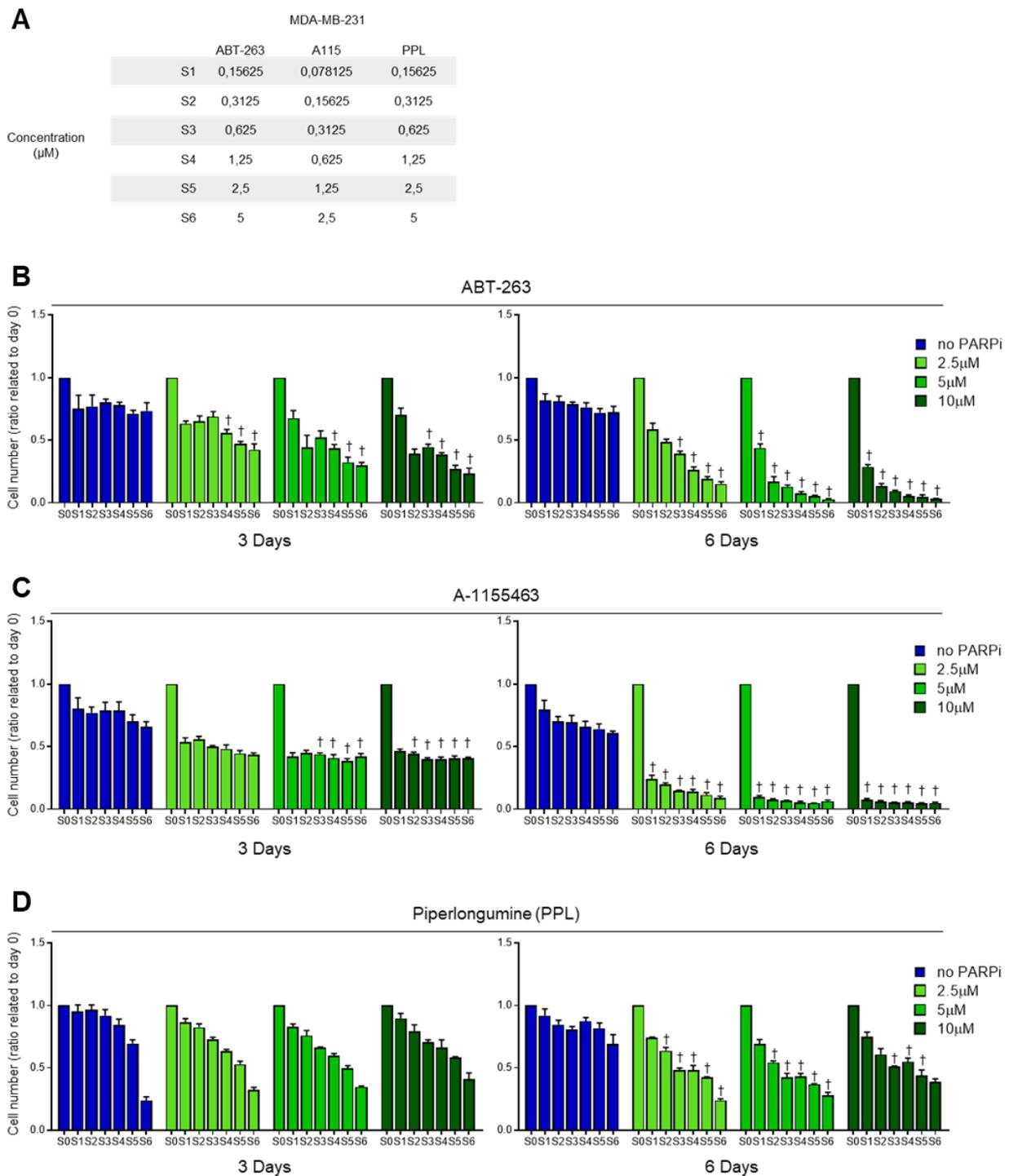
Supplementary Figure 10. Distinct senolytic drugs synergize with Olaparib in HGSOc cells.

A) Table of Piperlongumine (PPL), Fisetin (F), Dasatinib (D) and Quercetin (Q) IC₅₀ (μM) displaying mean ± SEM data obtained after 6 days proliferation of OV1369(R2) and OV1946 cells; these data determined the range of concentrations used for this study. **B)** Table of PPL, F, D and Q doses (μM) used for combination treatments with Olaparib in OV1369(R2) and OV1946 cell lines. **C)** Cells were co-treated with Olaparib IC₅₀ concentrations and a range of PPL, F, D or Q concentrations for 6 days. Bar graph shows mean ± SEM of the fold change in cell number related to S0 (control non-treated, blue bars; Olaparib-treated, green bars) at different concentrations of the senolytic drugs. For all the data, the mean ± SEM of three independent experiments is shown. Data were analyzed using the two-tail Student t-test. * Denotes $p < 0.05$, ** $p < 0.01$, and *** $p < 0.001$. Statistical analyses were performed between ABT-263 treated cells with and without Olaparib.



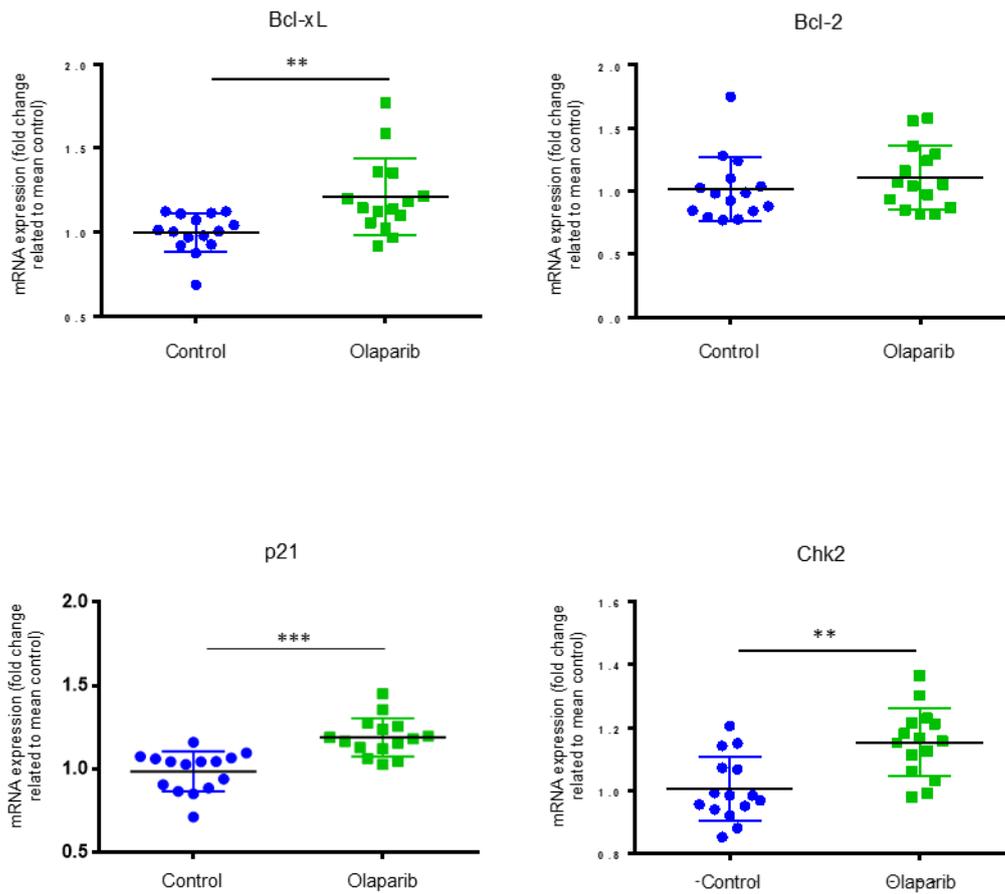
Supplementary Figure 11. Olaparib induces senescence-like phenotype in a TNBC cell line.

A-E) MDA-MB-231 cells were treated for 6 days with 2.5 μ M, 5 μ M or 10 μ M Olaparib. **A)** Representative flow cytometry analysis of apoptosis. **B)** Representative morphology and SA β gal staining images. Scale bar, 200 μ m. **C-D)** Representative flow cytometry analysis (**C**) and quantification (**D**) of the cell population plot for forward scatter factor (FSC, indicative of size, X-axis) and side scatter factor (SSC, indicative of granularity, Y-axis) (R2 (blue) =high FSC and SSC; R1 (red) = normal FSC and SSC). **E)** Representative flow cytometry analysis of cell cycle showing PI levels (X-axis) and cell count (Y-axis). Data in (**A-C, E**) are a representation of at least three independent experiments. For data in **D**, the mean \pm SEM of three independent experiments is shown. Data were analyzed using the two-tail Student t-test. * Denotes $p < 0.05$, ** $p < 0.01$, and *** $p < 0.001$



Supplementary Figure 12: Distinct senolytic drugs synergize with Olaparib in TNBC cell line.

A) Table of ABT-263, A-115463 and Piperlongumine (PPL) doses (μM) used for combination treatments with Olaparib in MDA-MB-231 cell lines. **B-D**) Cells were co-treated with Olaparib 2.5 μM , 5 μM and 10 μM concentrations and a range of ABT-263 (**B**), A-115463 (**C**) and PPL (**D**) concentrations for 6 days. Bar graph shows mean \pm SEM of the fold change in cell number related to day 0 (no PARP: blue bars; Olaparib-treated, green bars) at different concentrations of Olaparib and senolytic drugs. For all the data, the mean \pm SEM of three independent experiments is shown. Data were analyzed using the two-tail Student t-test. † Denotes $p < 0.01$. Statistical analyses were performed between ABT-263 treated cells with and without Olaparib.



Supplementary Figure 13: Gene expression analysis of selected Olaparib-induced senescent markers on MDA-MB-231 xenograft tumors.

Q-PCR was performed to determine the expression levels of BCL-XL, BCL2, p21 and CHK2 in xenograft tumor tissues harvested from mice treated with Olaparib or vehicle for 12 days (each data point correspond to one tumor, n=15 for each group). For all the data, the mean \pm SEM of three independent experiments is shown. Data were analyzed using the two-tail Student t-test. * Denotes $p < 0.05$, ** $p < 0.01$, and *** $p < 0.001$.

Figure 4I

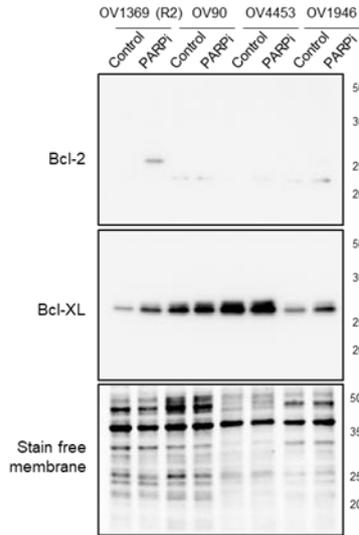
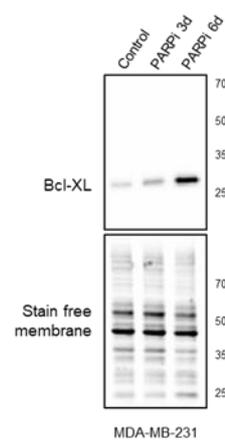
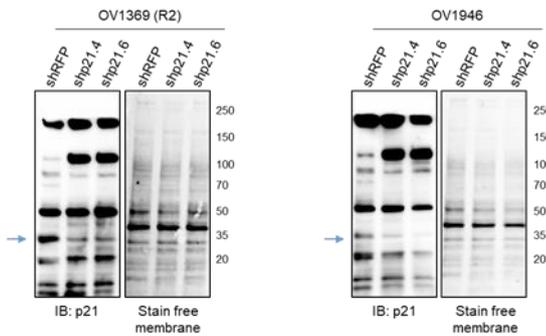


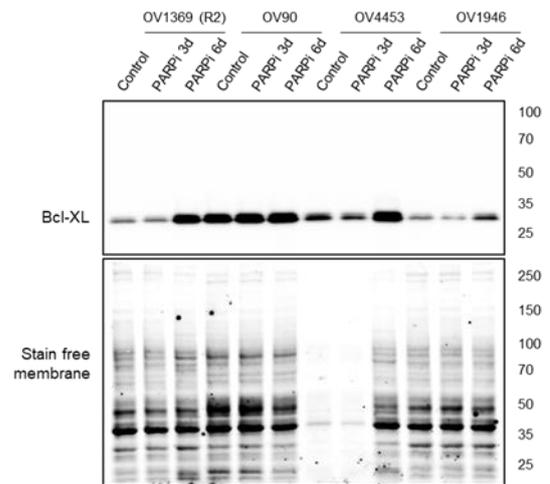
Figure 6G



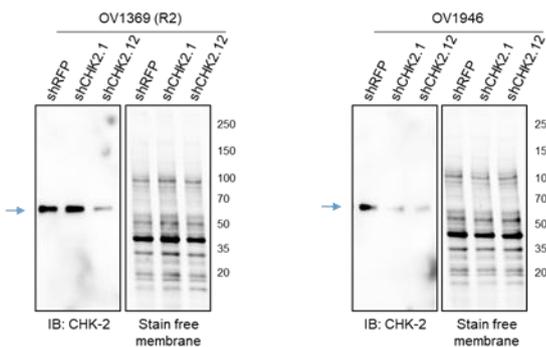
Supplementary Figure 4A



Supplementary Figure 9D



Supplementary Figure 4B



Supplementary Figure 14: Original image of western blots and stain free membranes.

OV4453 2-way Anova test with Bonferroni post-test corrections

Bonferroni's multiple comparisons test	95,00% CI of diff,	Significant?	Summary	Adjusted P Value
Row 1 day 0				
Control vs. Olaparib	-0,2573 to 0,2573	No	ns	>0,9999
Control vs. ABT263	-0,2540 to 0,2540	No	ns	>0,9999
Control vs. Combo	-0,2573 to 0,2573	No	ns	>0,9999
Olaparib vs. ABT263	-0,2265 to 0,2265	No	ns	>0,9999
Olaparib vs. Combo	-0,2301 to 0,2301	No	ns	>0,9999
ABT263 vs. Combo	-0,2265 to 0,2265	No	ns	>0,9999
Row 2 day 3				
Control vs. Olaparib	-0,1843 to 0,3612	No	ns	>0,9999
Control vs. ABT263	-0,2308 to 0,2773	No	ns	>0,9999
Control vs. Combo	-0,1979 to 0,3166	No	ns	>0,9999
Olaparib vs. ABT263	-0,3091 to 0,1787	No	ns	>0,9999
Olaparib vs. Combo	-0,2764 to 0,2182	No	ns	>0,9999
ABT263 vs. Combo	-0,1904 to 0,2626	No	ns	>0,9999
Row 3 day 7				
Control vs. Olaparib	-0,1213 to 0,3933	No	ns	0,9697
Control vs. ABT263	-0,05202 to 0,4560	No	ns	0,2134
Control vs. Combo	0,002082 to 0,5166	Yes	*	0,047
Olaparib vs. ABT263	-0,1605 to 0,2925	No	ns	>0,9999
Olaparib vs. Combo	-0,1068 to 0,3534	No	ns	0,9352
ABT263 vs. Combo	-0,1691 to 0,2838	No	ns	>0,9999
Row 4 day 10				
Control vs. Olaparib	-0,1271 to 0,3989	No	ns	>0,9999
Control vs. ABT263	-0,04742 to 0,4722	No	ns	0,1846
Control vs. Combo	0,004786 to 0,5549	Yes	*	0,0437
Olaparib vs. ABT263	-0,1500 to 0,3030	No	ns	>0,9999
Olaparib vs. Combo	-0,09985 to 0,3877	No	ns	0,7088
ABT263 vs. Combo	-0,1729 to 0,3078	No	ns	>0,9999
Row 5 day 14				
Control vs. Olaparib	0,07380 to 0,5997	Yes	**	0,0045
Control vs. ABT263	0,1761 to 0,7092	Yes	****	<0,0001
Control vs. Combo	0,3367 to 0,8868	Yes	****	<0,0001
Olaparib vs. ABT263	-0,1283 to 0,3401	No	ns	>0,9999
Olaparib vs. Combo	0,03118 to 0,5188	Yes	*	0,0178
ABT263 vs. Combo	-0,07859 to 0,4167	No	ns	0,4258
Row 6 day 18				
Control vs. Olaparib	0,03010 to 0,6623	Yes	*	0,0234
Control vs. ABT263	0,1350 to 0,7515	Yes	***	0,001
Control vs. Combo	0,4355 to 1,088	Yes	****	<0,0001
Olaparib vs. ABT263	-0,1578 to 0,3518	No	ns	>0,9999
Olaparib vs. Combo	0,1392 to 0,6922	Yes	***	0,0005
ABT263 vs. Combo	0,05119 to 0,5861	Yes	*	0,0102
Row 7 day 22				
Control vs. Olaparib	0,1741 to 0,8063	Yes	***	0,0003
Control vs. ABT263	0,2773 to 0,8887	Yes	****	<0,0001
Control vs. Combo	0,5798 to 1,246	Yes	****	<0,0001
Olaparib vs. ABT263	-0,1590 to 0,3446	No	ns	>0,9999
Olaparib vs. Combo	0,1384 to 0,7068	Yes	***	0,0006
ABT263 vs. Combo	0,05716 to 0,6024	Yes	**	0,0087

Supplementary Table 1

OV1946 2-way Anova test with Bonferroni post-test corrections

Bonferroni's multiple comparisons test	95,00% CI of diff,	Significant?	Summary	Adjusted P Value
Row 1				
Control vs. Olaparib	-0,2615 to 0,2615	No	ns	>0,9999
Control vs. ABT-263	-0,2743 to 0,2743	No	ns	>0,9999
Control vs. Combo	-0,2652 to 0,2652	No	ns	>0,9999
Olaparib vs. ABT-263	-0,2481 to 0,2481	No	ns	>0,9999
Olaparib vs. Combo	-0,2380 to 0,2380	No	ns	>0,9999
ABT-263 vs. Combo	-0,2520 to 0,2520	No	ns	>0,9999
Row 2				
Control vs. Olaparib	-0,1645 to 0,3585	No	ns	>0,9999
Control vs. ABT-263	-0,3344 to 0,2141	No	ns	>0,9999
Control vs. Combo	-0,1648 to 0,3656	No	ns	>0,9999
Olaparib vs. ABT-263	-0,4052 to 0,09091	No	ns	0,5621
Olaparib vs. Combo	-0,2346 to 0,2415	No	ns	>0,9999
ABT-263 vs. Combo	-0,09139 to 0,4126	No	ns	0,5505
Row 3				
Control vs. Olaparib	-0,07042 to 0,4579	No	ns	0,3148
Control vs. ABT-263	-0,3198 to 0,2288	No	ns	>0,9999
Control vs. Combo	-0,06820 to 0,4622	No	ns	0,2972
Olaparib vs. ABT-263	-0,4901 to 0,01164	No	ns	0,071
Olaparib vs. Combo	-0,2377 to 0,2442	No	ns	>0,9999
ABT-263 vs. Combo	-0,009482 to 0,4945	No	ns	0,0665
Row 4				
Control vs. Olaparib	-0,1093 to 0,4190	No	ns	0,7244
Control vs. ABT-263	-0,3449 to 0,2036	No	ns	>0,9999
Control vs. Combo	-0,03849 to 0,4919	No	ns	0,1436
Olaparib vs. ABT-263	-0,4764 to 0,02533	No	ns	0,1056
Olaparib vs. Combo	-0,1691 to 0,3128	No	ns	>0,9999
ABT-263 vs. Combo	0,04540 to 0,5494	Yes	*	0,0113
Row 5				
Control vs. Olaparib	0,04687 to 0,5752	Yes	*	0,0116
Control vs. ABT-263	-0,2793 to 0,2693	No	ns	>0,9999
Control vs. Combo	0,2477 to 0,7781	Yes	****	<0,0001
Olaparib vs. ABT-263	-0,5669 to -0,06514	Yes	**	0,0055
Olaparib vs. Combo	-0,03913 to 0,4428	No	ns	0,1614
ABT-263 vs. Combo	0,2659 to 0,7698	Yes	****	<0,0001
Row 6				
Control vs. Olaparib	0,02560 to 0,6055	Yes	*	0,0247
Control vs. ABT-263	-0,3692 to 0,2428	No	ns	>0,9999
Control vs. Combo	0,2227 to 0,8192	Yes	****	<0,0001
Olaparib vs. ABT-263	-0,6495 to -0,1080	Yes	**	0,0014
Olaparib vs. Combo	-0,05652 to 0,4674	No	ns	0,2291
ABT-263 vs. Combo	0,3046 to 0,8638	Yes	****	<0,0001
Row 7				
Control vs. Olaparib	0,03929 to 0,6192	Yes	*	0,0166
Control vs. ABT-263	-0,2530 to 0,3590	No	ns	>0,9999
Control vs. Combo	0,3156 to 0,9121	Yes	****	<0,0001
Olaparib vs. ABT-263	-0,5470 to -0,005538	Yes	*	0,0427
Olaparib vs. Combo	0,02265 to 0,5465	Yes	*	0,0251
ABT-263 vs. Combo	0,2812 to 0,8405	Yes	****	<0,0001

Supplementary Table 2

MDA-MB-231 2-way Anova test with Bonferroni post-test corrections

Bonferroni's multiple comparisons test	95,00% CI of diff,	Significant?	Summary	Adjusted P Value
Row 1				
Control vs. Olaparib	-105,0 to 40,93	No	ns	>0,9999
Control vs. ABT-263	-81,47 to 64,48	No	ns	>0,9999
Control vs. Olaparib + ABT-263	-103,9 to 42,07	No	ns	>0,9999
Olaparib vs. ABT-263	-48,16 to 95,25	No	ns	>0,9999
Olaparib vs. Olaparib + ABT-263	-70,57 to 72,85	No	ns	>0,9999
ABT-263 vs. Olaparib + ABT-263	-94,11 to 49,30	No	ns	>0,9999
Row 2				
Control vs. Olaparib	-38,82 to 107,1	No	ns	>0,9999
Control vs. ABT-263	-68,99 to 76,96	No	ns	>0,9999
Control vs. Olaparib + ABT-263	-70,89 to 75,06	No	ns	>0,9999
Olaparib vs. ABT-263	-101,9 to 41,53	No	ns	>0,9999
Olaparib vs. Olaparib + ABT-263	-103,8 to 39,63	No	ns	>0,9999
ABT-263 vs. Olaparib + ABT-263	-73,61 to 69,81	No	ns	>0,9999
Row 3				
Control vs. Olaparib	-38,41 to 107,5	No	ns	>0,9999
Control vs. ABT-263	-53,85 to 92,10	No	ns	>0,9999
Control vs. Olaparib + ABT-263	-52,89 to 93,06	No	ns	>0,9999
Olaparib vs. ABT-263	-87,15 to 56,27	No	ns	>0,9999
Olaparib vs. Olaparib + ABT-263	-86,19 to 57,23	No	ns	>0,9999
ABT-263 vs. Olaparib + ABT-263	-70,75 to 72,67	No	ns	>0,9999
Row 4				
Control vs. Olaparib	-40,37 to 105,6	No	ns	>0,9999
Control vs. ABT-263	-62,39 to 83,56	No	ns	>0,9999
Control vs. Olaparib + ABT-263	-42,78 to 103,2	No	ns	>0,9999
Olaparib vs. ABT-263	-93,73 to 49,69	No	ns	>0,9999
Olaparib vs. Olaparib + ABT-263	-74,11 to 69,30	No	ns	>0,9999
ABT-263 vs. Olaparib + ABT-263	-52,09 to 91,32	No	ns	>0,9999
Row 5				
Control vs. Olaparib	27,74 to 173,7	Yes	**	0,0017
Control vs. ABT-263	-44,90 to 101,0	No	ns	>0,9999
Control vs. Olaparib + ABT-263	68,76 to 214,7	Yes	****	<0,0001
Olaparib vs. ABT-263	-144,3 to -0,9342	Yes	*	0,0452
Olaparib vs. Olaparib + ABT-263	-30,68 to 112,7	No	ns	0,78
ABT-263 vs. Olaparib + ABT-263	41,96 to 185,4	Yes	***	0,0002
Row 6				
Control vs. Olaparib	-0,007868 to 145,9	No	ns	0,05
Control vs. ABT-263	-87,57 to 58,38	No	ns	>0,9999
Control vs. Olaparib + ABT-263	84,85 to 230,8	Yes	****	<0,0001
Olaparib vs. ABT-263	-159,3 to -15,86	Yes	**	0,0078
Olaparib vs. Olaparib + ABT-263	13,15 to 156,6	Yes	*	0,011
ABT-263 vs. Olaparib + ABT-263	100,7 to 244,1	Yes	****	<0,0001
Row 7				
Control vs. Olaparib	27,40 to 173,3	Yes	**	0,0018
Control vs. ABT-263	-75,76 to 70,19	No	ns	>0,9999
Control vs. Olaparib + ABT-263	126,1 to 272,0	Yes	****	<0,0001
Olaparib vs. ABT-263	-174,9 to -31,45	Yes	***	0,001
Olaparib vs. Olaparib + ABT-263	26,96 to 170,4	Yes	**	0,0018
ABT-263 vs. Olaparib + ABT-263	130,1 to 273,5	Yes	****	<0,0001

Supplementary Table 3