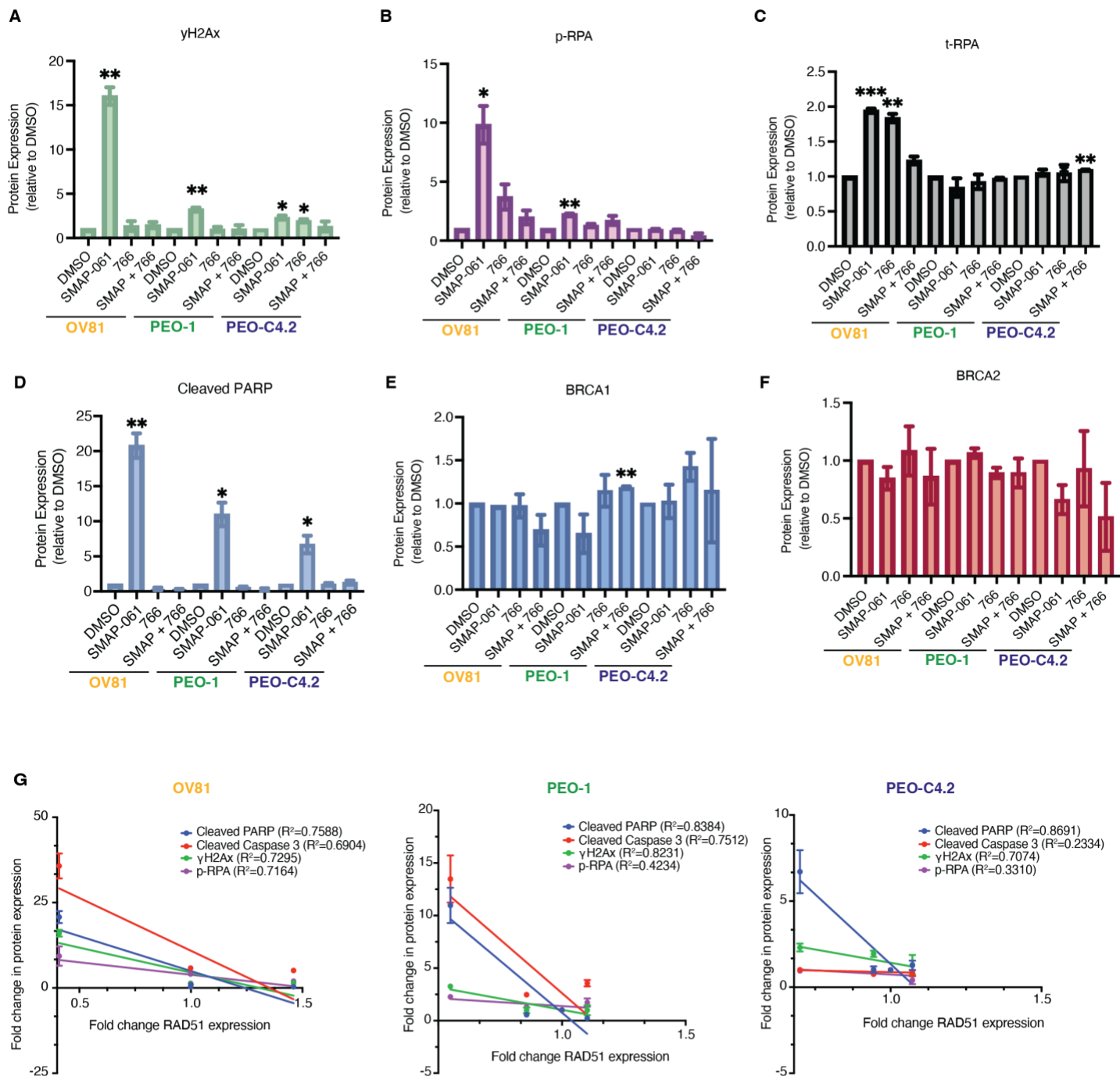


Supplementary Figure 6



Supplementary Figure 6 – SMAP-061 specifically targets and downregulates RAD51 through PP2A's activity. Quantitation of protein targets expression evaluated on the western blot analysis from Fig. 5C, for OV81, PEO-1 and PEO-C4.2, in the presence of DMSO, 20 μ M SMAP-061, 80 μ M 766 or SMAP + 766 combination – A) γ H2Ax, B) p-RPA, C) t-RPA, D) Cleaved PARP, E) BRCA1, and F) BRCA2. Data is presented as the mean \pm SEM (n=3), (unpaired Student T-tests, comparing each condition relative to the DMSO condition of each respective cell line, *p < 0.05, **p < 0.01). G) Correlation analysis graph and R² values comparing RAD51 protein expression with the expression levels of γ H2Ax, p-RPA, cleaved PARP, and cleaved Caspase 3 for OV81, PEO-1 and PEO-C4.2 treated with 20 μ M SMAP-061. Data presented as the mean \pm SEM (n=3).