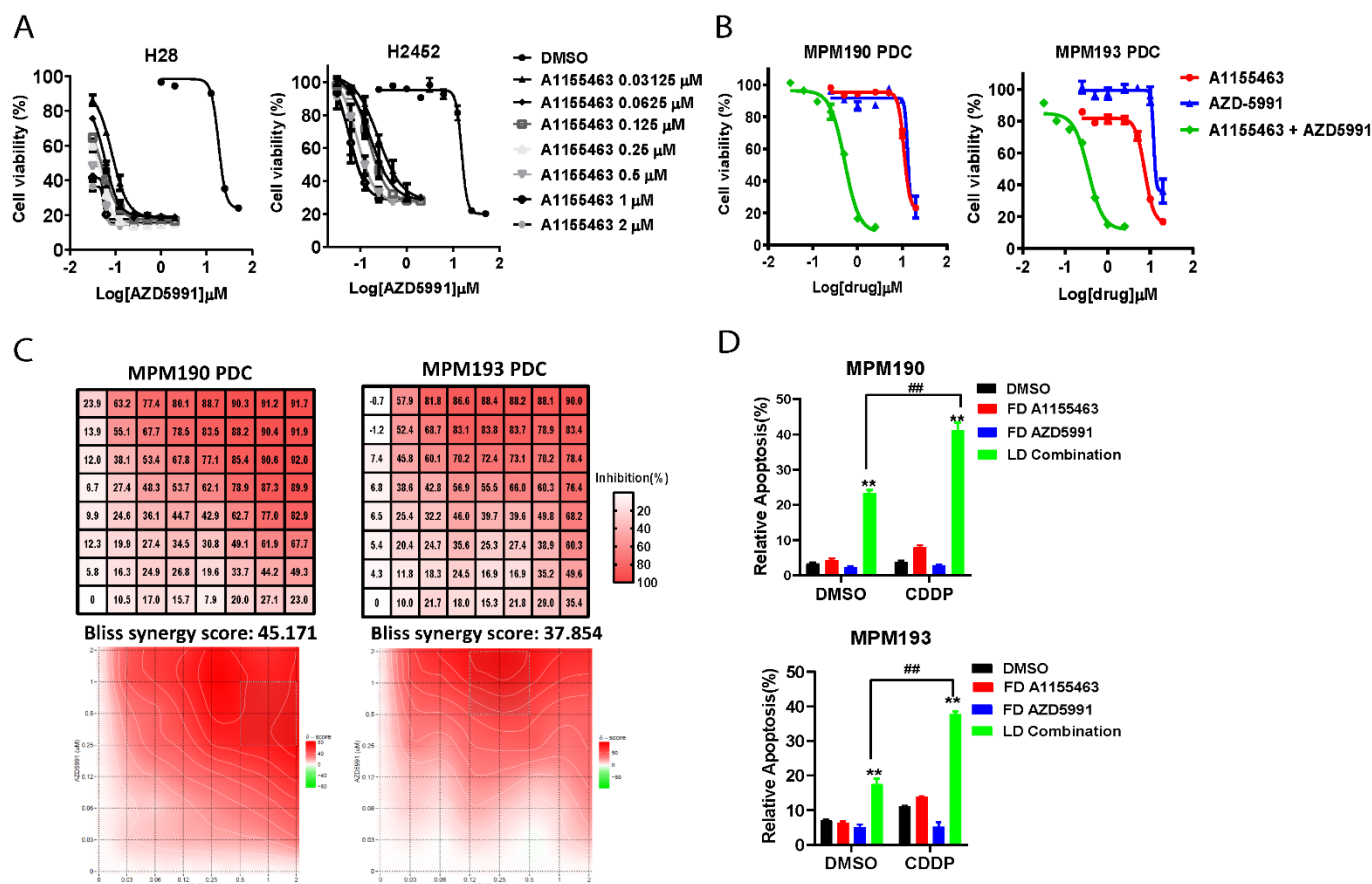




Supplementary Figure 4. Synergistic cell death induction by MCL-1 inhibitor, AZD5991 and BCL-xL inhibitor, A1155463, in DM cell lines and PDC. **A.** Cell death was assessed upon exposure of H28 and H2452 cells to titrated non-sensitizing concentration of AZD5991 in combination with A1155463 for 48 h. Data are mean $\pm$ SD of three technical replicates from three independent experiments. **B.** Cell death was assessed upon exposure of DM PDCs to increasing concentrations of AZD5991 and/or A1155463 for 48 h. Data are mean $\pm$ SD of three technical replicates from three independent experiments. **C.** The heatmaps showing does-response matrix analyses based on cell death with MCL-1 inhibitor, AZD5991 and BCL-xL inhibitor, A1155463. Visualization of the calculated 2D synergy maps for the cell viability assay from the SynergyFinder Bliss independence model combinatorial analysis. Red regions represent synergy, and green regions represent antagonism. **D.** After pre-treatment with full doses (FD) 1.0 μ M AZD5991 or FD 1.0 μ M A1155463, and the combination of low doses (LD) 0.1 μ M AZD5991 and 0.1 μ M A1155463 for 24 h, the apoptotic ratio in cells at 48 h after treatment with CDDP were measured by annexin V flow cytometry; cells positive for annexin V staining were counted as apoptotic cells (** $p < 0.01$ for treatment versus DMSO; # $p < 0.05$ for combination treatment versus A1155463 and AZD5991 co-treatment).