



Supplement – Figure S2

**Suppl. Fig. S2. Effect of different concentrations of ADI-PEG20 on cytotoxicity and radiosensitization.** L3.6pl, MiaPaCa-2, Panc1 cells ( $1 \times 10^4$ ) were seeded separately in 96-well plates in 250  $\mu$ l of respective tissue culture media. After 24 h incubation to allow cells to adhere, cells were treated with 0, 0.02, 0.04, 0.08, 0.15, 0.3, 0.6, 1.2, 2.4  $\mu$ g/ml of ADI-PEG20 in quadruplicates for 72 h. Cell viability was assessed by the colorimetric MTS assay using Cell Titer 96 Aqueous One Solution Proliferation Assay System (Promega, Madison, WI, USA). (A) Graph shows the normalized percent viability of Panc-1, MiaPaCa-2, and L3.6pl pancreatic cancer cell lines at the indicated concentrations of ADI-PEG20. ADI-PEG20 enhanced the effect of radiation in the ASS1-deficient cell lines MiaPaCa-2 ( $DEF_{10}$  values were 1.16 at 0.04  $\mu$ g/mL and 1.57 at 0.08  $\mu$ g/mL) and Panc-1 ( $DEF_{10}$  values were 1.34 at 0.04  $\mu$ g/mL and 1.79 at 0.08  $\mu$ g/mL) in a dose-dependent manner; ADI-PEG20 did not affect the response of the ASS1-positive cell line L3.6pl.