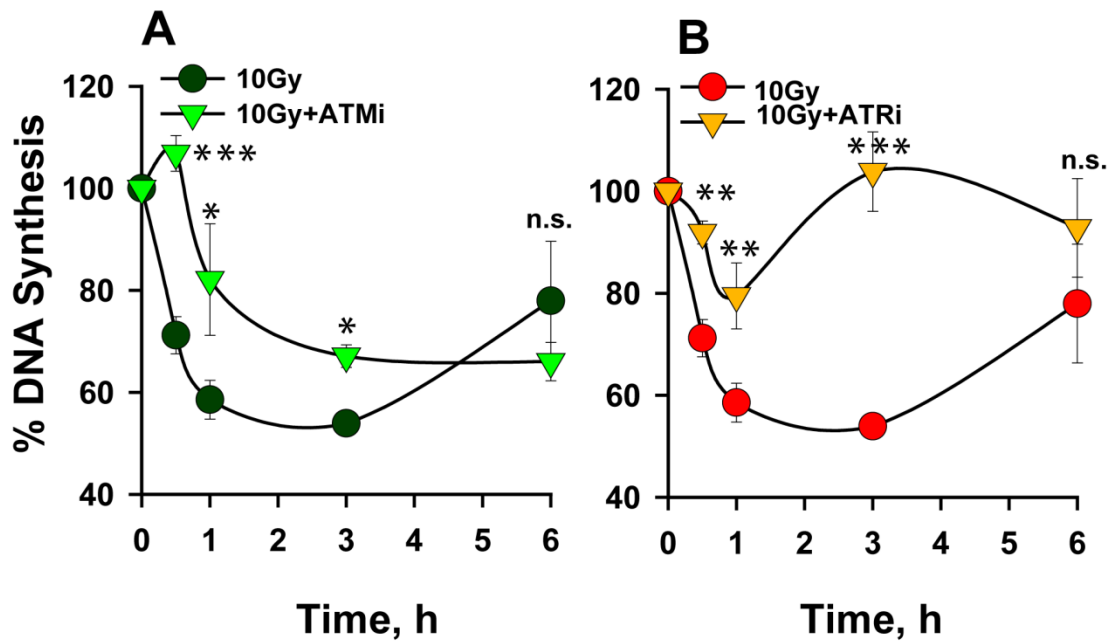


**Figure S1 Soni et al.**

Figure S1. IR-induced intra-S-phase checkpoint response in human HCT116 WT, DNAPK<sup>-/-</sup>, and LIG4<sup>-/-</sup> cells. Percentage of DNA synthesis over unirradiated controls was measured after exposure to 10 Gy IR. The significance of differences between individual measurements is indicated by \* symbol: \*p < 0.05, \*\*p < 0.01, \*\*\*p < 0.001, n.s. non-significant.

## XR1 (XRCC4m)



**Figure S2 Soni et al.**

Figure S2. Impact of ATMi, and ATRi on IR-induced intra-S-phase checkpoint in XRCC4 mutant cells, XR1. (A) Percentage of DNA synthesis over unirradiated controls was measured after exposure to 10 Gy IR in the presence or absence of ATMi. (B) As in (A) in the presence or absence of ATRi. Error bars represent the standard deviation from 3 independent experiments. The significance of differences between individual measurements is indicated by \* symbol: \* $p < 0.05$ , \*\* $p < 0.01$ , \*\*\* $p < 0.001$ , n.s. non-significant.