



Supplementary Figure 7. RAD18 is not required for RAD51 assembly at DSB sites in the absence of BRCA1 and 53BP1. **A-B**, *RAD18*^{-/-} HCT116 cells transfected with the indicated siRNAs were irradiated with 2 Gy and analyzed for RAD51 and gH2AX immunofluorescence at 6 h post-ionizing radiation. Representative images. Scale bar, 25 μ m (**A**). The quantification of cells with >5 RAD51 foci (mean \pm s.d., $N = 3$) (**B**). **C**. HCT116 (WT) and *RAD18*^{-/-} HCT116 cells transfected with indicated siRNAs were subjected to western blotting for the indicated proteins. The expression level of BRCA1 and 53BP1 was similar in and *RAD18*^{-/-} HCT116 cells