



**Supplementary Figure 5. Depletion of 53BP1 rescues RAD51 assembly at DSB sites in BRCA1-depleted human cells. A-B,** HCT116 cells transfected with the indicated siRNAs were irradiated with 2 Gy and analyzed for RAD51 and  $\gamma$ H2AX immunofluorescence at 6 h post-ionizing radiation. Representative images. Scale bar, 25  $\mu$ m (**A**). The quantification of cells with >5 RAD51 foci (mean  $\pm$  s.d.,  $N = 3$ ) (**B**). **C,** HCT116 cells transfected with the indicated siRNAs were subjected to western blotting for the indicated proteins.