Supplementary Materials

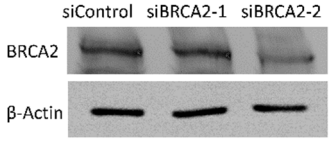


Figure S1. The inhibition of BRCA2 expression by different siRNAs in MCF7 cells

MCF7 cells were transfected with siControl, siBRCA2-1 and siBRCA2-2 for 48 hours. The different siRNA clones were harvested and subjected to western blotting against BRCA2.

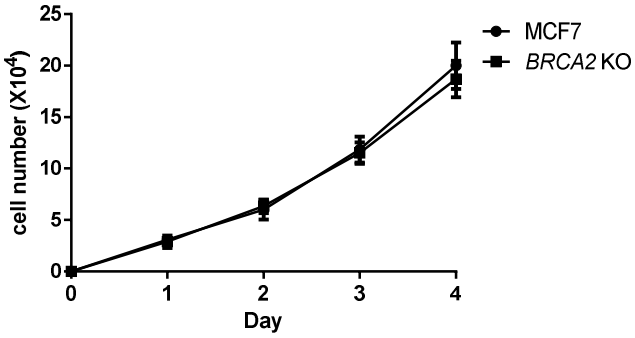


Figure S2. The proliferation of MCF7 and BRCA2-knockout MCF7 cells

MCF7 or BRCA2-knockout MCF7 cells were seeded at $2X10^4$ cells in 48-well plates, and every 24 hours, the cells were resuspended, and the cell number was counted. After counting each group, the cells were placed back to the 48-well plate.

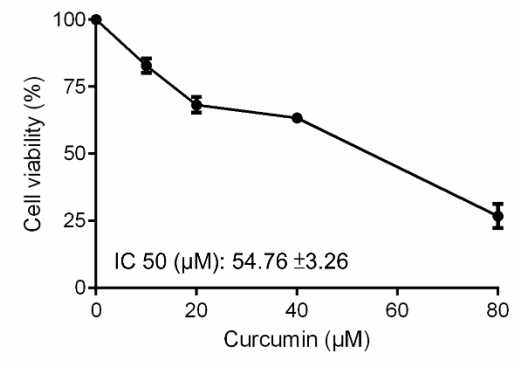


Figure S3. Effects of curcumin on the viability of MCF7 cells. Cells were treated with various concentrations of curcumin for 24 h and the viability of treated cells was evaluated by MTT assay. Data are expressed as mean ± SD of three independent experiments.

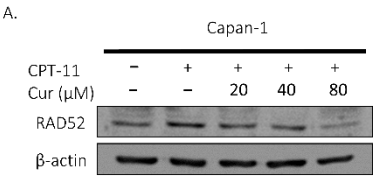


Figure S4. Curcumin inhibits the protein expression of RAD52 recombinase following CPT-11 treatment in Capan1 cells. Capan1 cells were treated with 5 μM CPT-11 combined with the indicated curcumin for 8 hours. Cell samples were taken and processed for immunoblot analysis using an anti-RAD52 antibody.