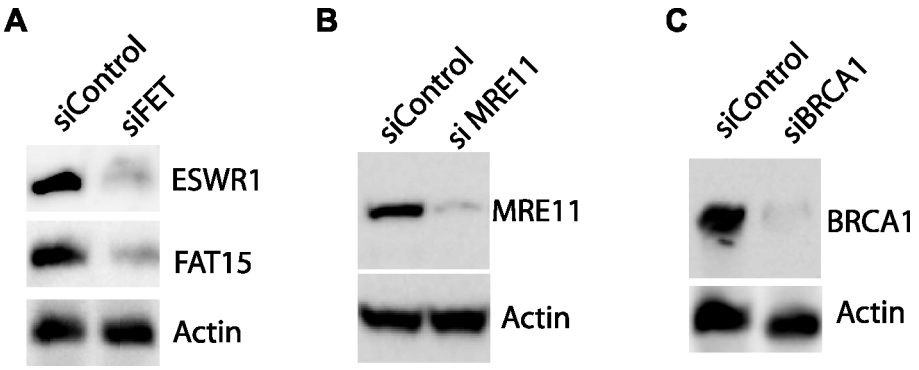

Figure S1

Co-depletion of ESWR1 and FET by siRNA specific for FET is confirmed by western blot (**A**). Actin serves as a loading control. Similarly, depletion of Mre11 (**B**) and BRCA1 (**C**) by corresponding siRNAs were confirmed.

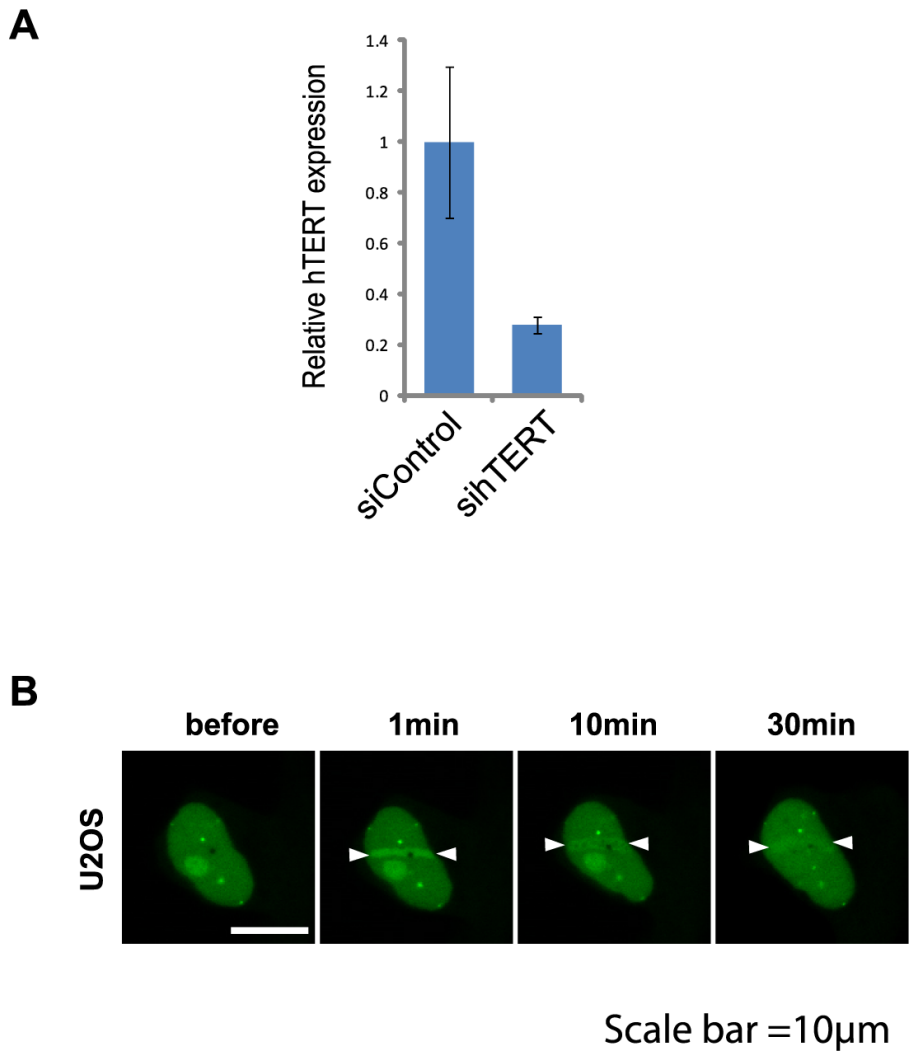

Figure S2

A. RT qPCR analysis of hTERT depletion in HeLa cells. The mRNA level of hTERT was normalized to GAPDH. hTERT qPCR primers used are 5'-CGGAAGAGTGTCTGGAGCAA-3' (forward) and 5'-GGATGAAGCGGAGTCTGGA-3'(reverse) (Liu et al., 2013).

B. An example of the time course analysis of GFP-TRF2 recruitment to the laser-induced damage sites in U2OS cells. Scale bar=10μm.

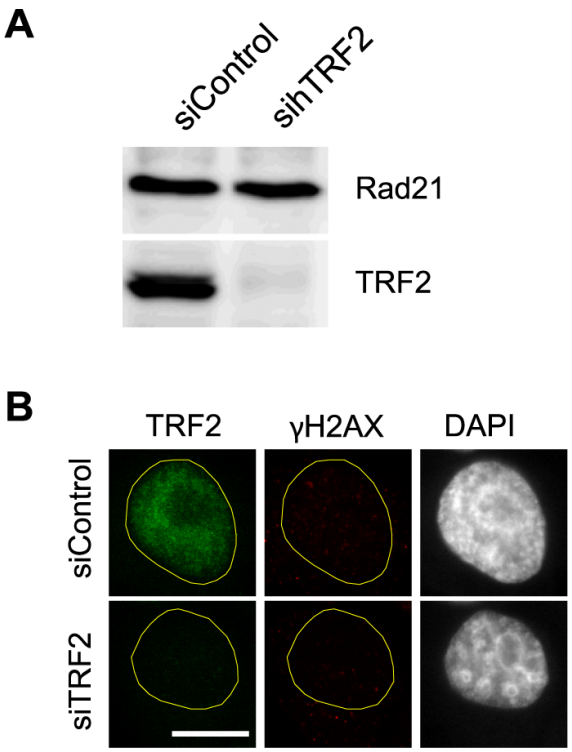

Figure S3

A. Analysis of TRF2 depletion in HeLa cells after siRNA transfection by Western blot. Total cell lysates from control or TRF2 siRNA-transfected cells were subjected to western blot analysis using anti-TRF2 antibody. Rad21 was used as a loading control.

B. Telomere dysfunction-induced foci (TIF) analysis. Cells were treated with control or TRF2 siRNA and were fixed at 48hrs after 2nd siRNA transfection. Cells were stained with antibodies specific for TRF2 and γH2AX, and DAPI as indicated at the top. TRF2 depleted cells didn't show any increase of γH2AX foci indicative of TIF.