

Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: Nuclear fragmentation occurs as a result of chromosome missegregation in BRCA2-depleted cells. HeLa cells stably expressing GFP-tagged histone H2B (H2B-GFP) were transfected with control siRNA. After 48 hr, cells were exposed to 10 Gy IR and allowed to recover for 18 hr. Time-lapse live cell imaging was immediately carried out and images were captured every 5 min for 6 hr. The movies represent a time span of 6 hr (from 18 hr to 24 hr after IR treatment).

File Name: Supplementary Movie 2

Description: Nuclear fragmentation occurs as a result of chromosome missegregation in BRCA2-depleted cells. HeLa cells stably expressing GFP-tagged histone H2B (H2B-GFP) were transfected with siRNA against BRCA2. After 48 hr, cells were exposed to 10 Gy IR and allowed to recover for 18 hr. Time-lapse live cell imaging was immediately carried out and images were captured every 5 min for 6 hr. The movies represent a time span of 6 hr (from 18 hr to 24 hr after IR treatment).