Figure S4

**A.**

WB: PARP1

- **B.**

**PARP1 expression (Band intensities relative to β-actin)**

- **C.**

- **D.**

**Relative PARP1 occupancy (normalized to wild-type levels)**
Figure S4: Evaluation of siRNA transfection efficiency in MCF7 cells. The effects of two PARP1 siRNAs - PARP1-siRNA1 and PARP1-siRNA2, targeting different regions of PARP1 gene on the levels of PARP1 were analyzed by western blot (transfection was performed at 50 nmol/L PARP1 siRNA (Dharmacon) for 48 h). Unrelated siRNA (LacZ) served as negative control. A. Representative western blot analyses. B. Band intensities were quantified and measured as the percentage over β-actin, normalized to non-treated cells. C. Representative agarose gel images stained with Gelstar® (inverted) of PCR analyses showing the measurement of PARP1 occupancy at PARP1-target genes after PARP1-knockdown. The occupancy of PARP1 at a previously validated promoter (ITPR1 – ref. 29) was used as positive control. D. PARP1 occupancy from quantitative real-time PCR analyses at the same PARP1-target genes as in C. Data are expressed as the mean ± S.E.M, n = 3. ** P < 0.001 compared to the control group by student t-test. (PARP1 occupancy in wild-type cells (treated with LacZ) was normalized to 1 and all other measurements of relative PARP1 occupancy in the various treatments were measured relative to relative PARP1 occupancy in wild-type cells).