

Supplementary Figure S12- ER overexpression promotes E2-induced R-loop formation. (A/B)

T47D/pInd20-*ESR1* cells were pretreated with HD x 7 d, and then treated with HD + dox x 14 d prior to seeding. Both cell lines were then treated as indicated x 24 h, fixed, and stained for DNA/RNA hybrids (S9.6 antibody) and with DAPI. S9.6 fluorescence intensity was quantified in ≥ 100 nuclei per group. (C) Cells were transiently transfected with plasmids encoding RNase H1 or vector control. Two days later, cells were treated \pm 1 nM E2 x 24 h, then fixed, stained, and analyzed as in (B). Representative images are shown. * $p < 0.05$, ** $p < 0.005$, *** $p < 0.0005$, **** $p < 0.0001$ compared to control unless otherwise indicated.

