Supplementary information, Figure S5

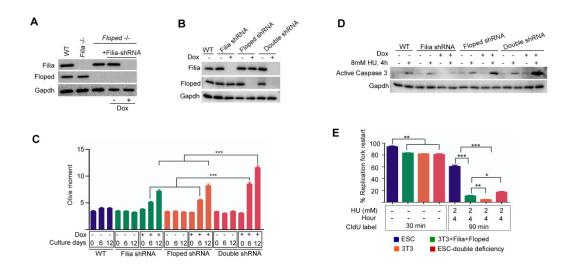


Figure S5 Filia and Floped have additive effects on genomic stability and cell sensitivity to HU treatment. (A) Establishment of Filia and Floped double depletion ESCs. Addition of Dox induced the knockdown of *Filia* in *Floped*^{1/-} ESCs. (B) Establishment of *Filia*-knockdown ESCs, *Floped*-knockdown ESCs, and *Filia-Floped* double knockdown ESCs using Dox-inducible shRNAs. (C) At day 6 of Dox-induced shRNA knockdown, *Filia-Floped* double knockdown ESCs (Double shRNA) already showed more DNA double strand breaks than *Filia-* or *Floped*-knockdown ESCs. (D) Compared with *Filia-* or *Floped*-knockdown ESCs, *Filia-Floped* double knockdown ESCs were more prone to undergo apoptosis after HU treatment. (E) ESCs depleted of both proteins (ESC-double deficiency) still had higher competence to restart arrested forks than NIH3T3 cells. Likewise, NIH3T3 cells with ectopic expression of both proteins displayed lower fork restart rates than WT ESCs. Data are represented as mean ± SEM. *P < 0.05, **P < 0.01, ***P < 0.001.