Supplemental data

Supplemental figure legends

Supplemental Fig. 1. Normal histology of fallopian tubes excised from TKO mice that develop ovarian HGSC. Fallopian tubes of TKO mice (p53LSL-R172H+/ Dicer flox/flox Pten flox/flox Amhr2 cre/+), surgically excised at two months after birth, exhibit normal morphology with no sign of malignancy (A, B, and C, 20x; D, 10x). H&E: hematoxylin & eosin staining.

Supplemental Fig. 2. Normal fallopian tube morphology of p53R172H-Pten DMu mice with ovarian HGSC. DMu mice (p53LSL-R172H+/ Pten flox/flox Amhr2 cre/) with ovarian HGSCs show fallopian tubes of normal histology (A and B, 20x). H&E: hematoxylin & eosin staining.

Supplemental Fig. 3. The expression of p53 proteins in ovarian HGSC, fallopian tube HGSC, ovary, and fallopian tube.

A-C. Ovarian HGSC. Robust immunostaining of p53 proteins in ovarian HGSCs from fallopian tube-deficient TKO mice (p53LSL-R172H+/ Dicer flox/flox Pten flox/flox Amhr2 cre/) (A and B, 40x) and intact DMu mice (p53LSL-R172H+/ Pten flox/flox Amhr2 cre/) (C, 40x). D. Fallopian tube HGSC. Abundant p53 staining in fallopian tube-originated HGSCs from intact TKO mice (D**, 10x). E-F. Fallopian tube. TKO fallopian tubes that have yet to transform exhibiting weak or little p53 staining (D*, 10x; E, 20x). Fallopian tube-originated TKO HGSCs distinctively positive for KRT14 with little staining in fallopian tube tissues not yet transformed (F, 10x). G and H. Ovary. Abundant expression of p53 in the TKO ovary reflecting robust ovarian expression of Amhr2 cre/+ (G, 10x). Normal morphology of ovary from TKO mice with fallopian tube HGSCs (H: H&E, 5x). H&E: hematoxylin & eosin staining. KRT14: cytokeratin 14.
Supplemental figure 1.
Supplemental figure 2.
Supplemental Figure 3.