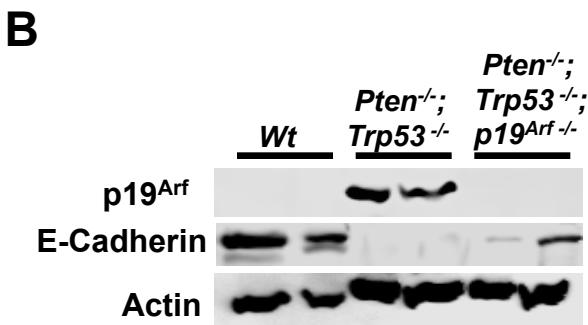
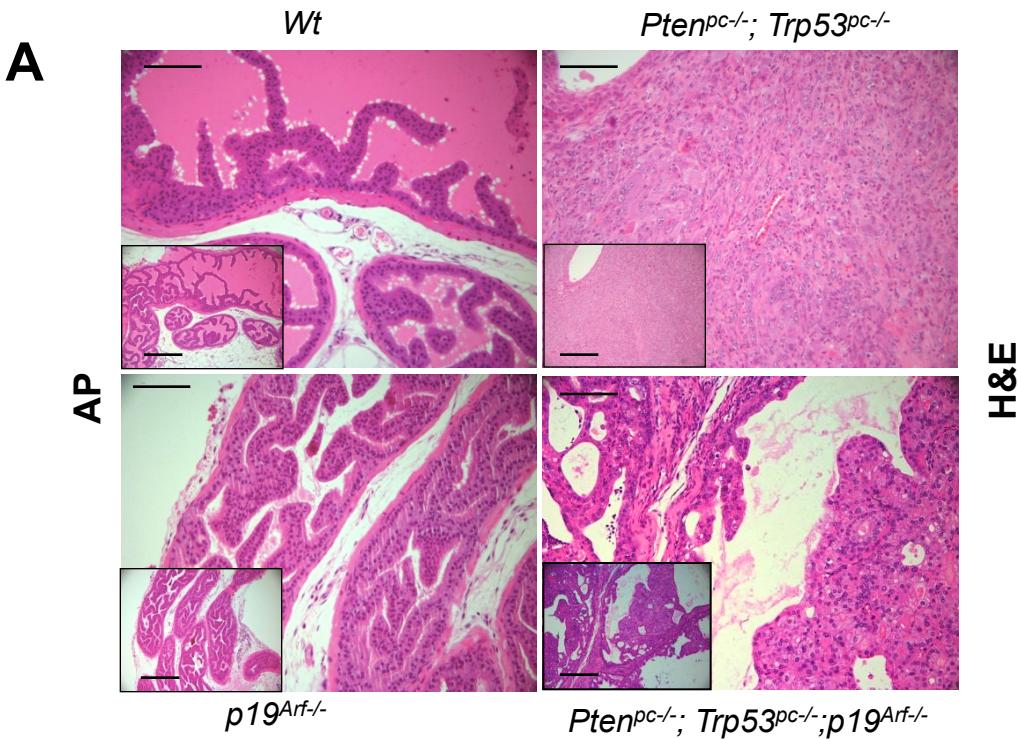
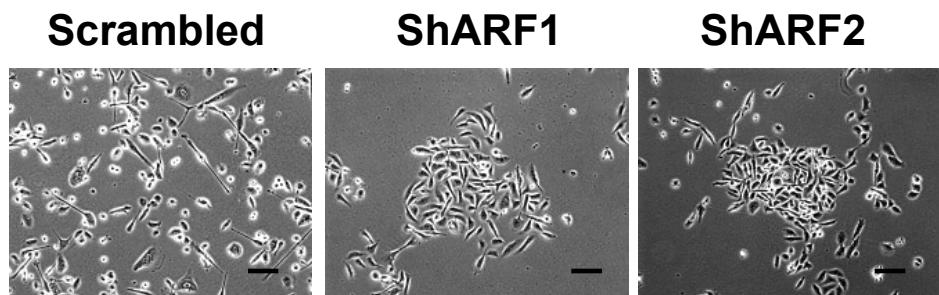


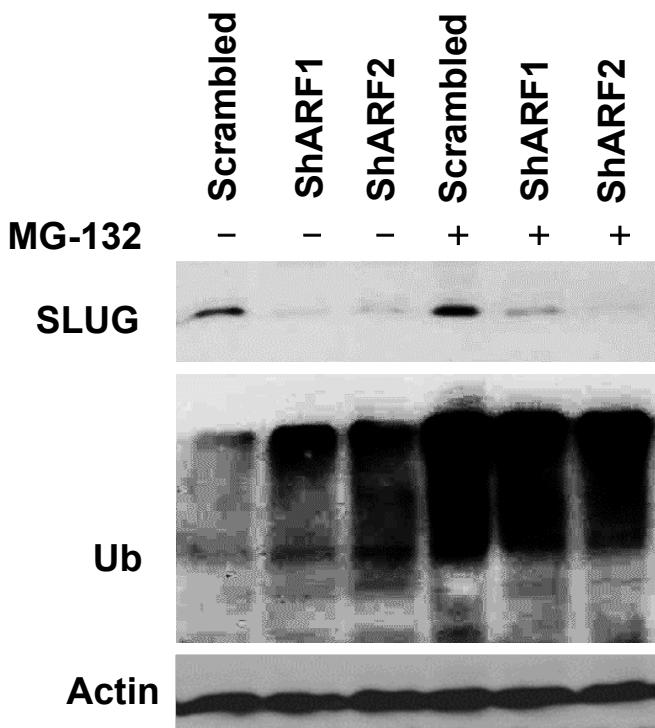
**Figure S1. Role of p19<sup>Arf</sup> inactivation on prostate tumors of *Pten/Trp53* conditional knockout mice.** (A) Biopsies of anterior prostate lobes (AP) from *Wt*, *Pten/Trp53*, *Pten/Trp53/p19<sup>Arf+/-</sup>*, and *Pten/Trp53/p19<sup>Arf-/-</sup>* mice at 3 months of age. (B) Average weights of prostate tissues from (A). (C) Histological images of prostates from *Wt*, *p19<sup>Arf+/-</sup>*, *p19<sup>Arf-/-</sup>*, *Pten/Trp53*, *Pten/Trp53/p19<sup>Arf+/-</sup>* and *Pten/Trp53/p19<sup>Arf-/-</sup>* mice at 3 months of age. Bars equal 100μm (large), 50μm (inlet).



**Figure S2.** *p19<sup>Arf</sup>* inactivation results in a restoration of E-Cadherin in prostate tumors of *Pten/Trp53* conditional knockout mice. (A) H&E staining of prostate tissues in mutant mice at 6 months of age. Bars equal 100  $\mu$ m (large), 50  $\mu$ m (inlet). (B) Western blots show that increased *p19<sup>Arf</sup>* and decreased E-cadherin in *Pten/Trp53* mice, and *p19<sup>Arf</sup>* inactivation restored E-Cadherin levels in *Pten/Trp53* mice.



**Figure S3.** Effects of ARF knockdown on the morphology of PC3 prostate cancer cells. Bars equal 100  $\mu\text{m}$ .



**Figure S4.** The effect of MG-132 on SLUG levels in PC3 cells upon ARF knockdown.

**A****Putative SLUG sumoylation sites by SUMOplot™**

No.	Position	Amino acid sequence	Score
1	K258	RMSLL <u>HKHE</u> ESGCC	0.52
2	K192	VCKIC <u>GKAF</u> SRPWL	0.32
3	K211	RTHTG <u>EKPF</u> SCPHC	0.15

**B**

**Figure S5. SLUG sumoylation at K192.** (A) SLUG sumoylation sites predicted by SUMOplot™. (B) SLUG K192R mutation showed a decreased SLUG-H band. 293FT cells were transfected with SLUG WT or K192R mutation plasmids followed by Western blot for SLUG (A7) antibody detection.