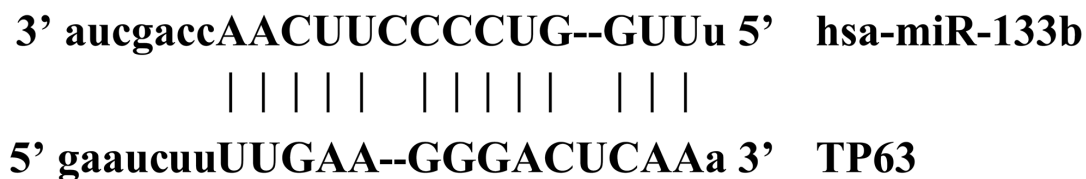


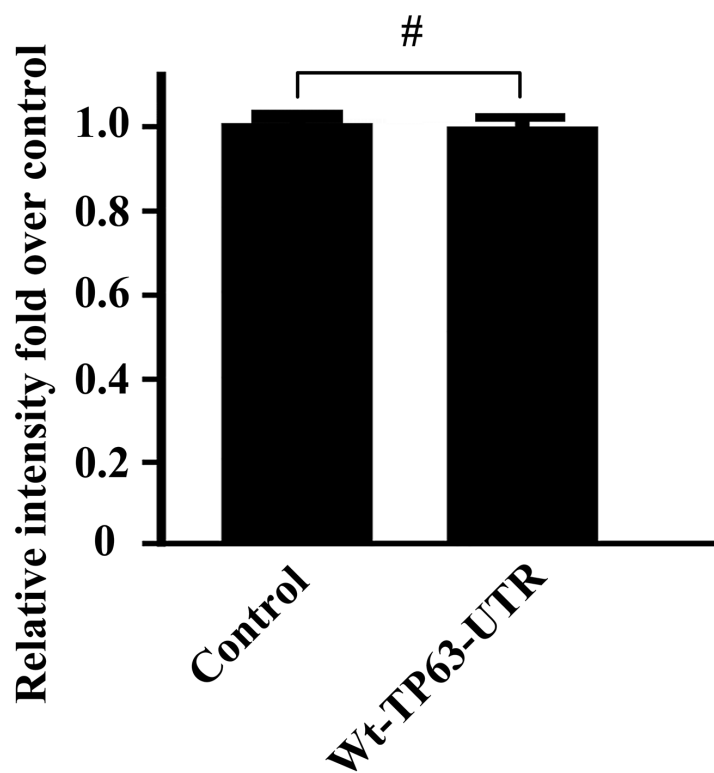
## Negative feedback between TAp63 and Mir-133b mediates colorectal cancer suppression

### SUPPLEMENTARY FIGURES AND TABLE

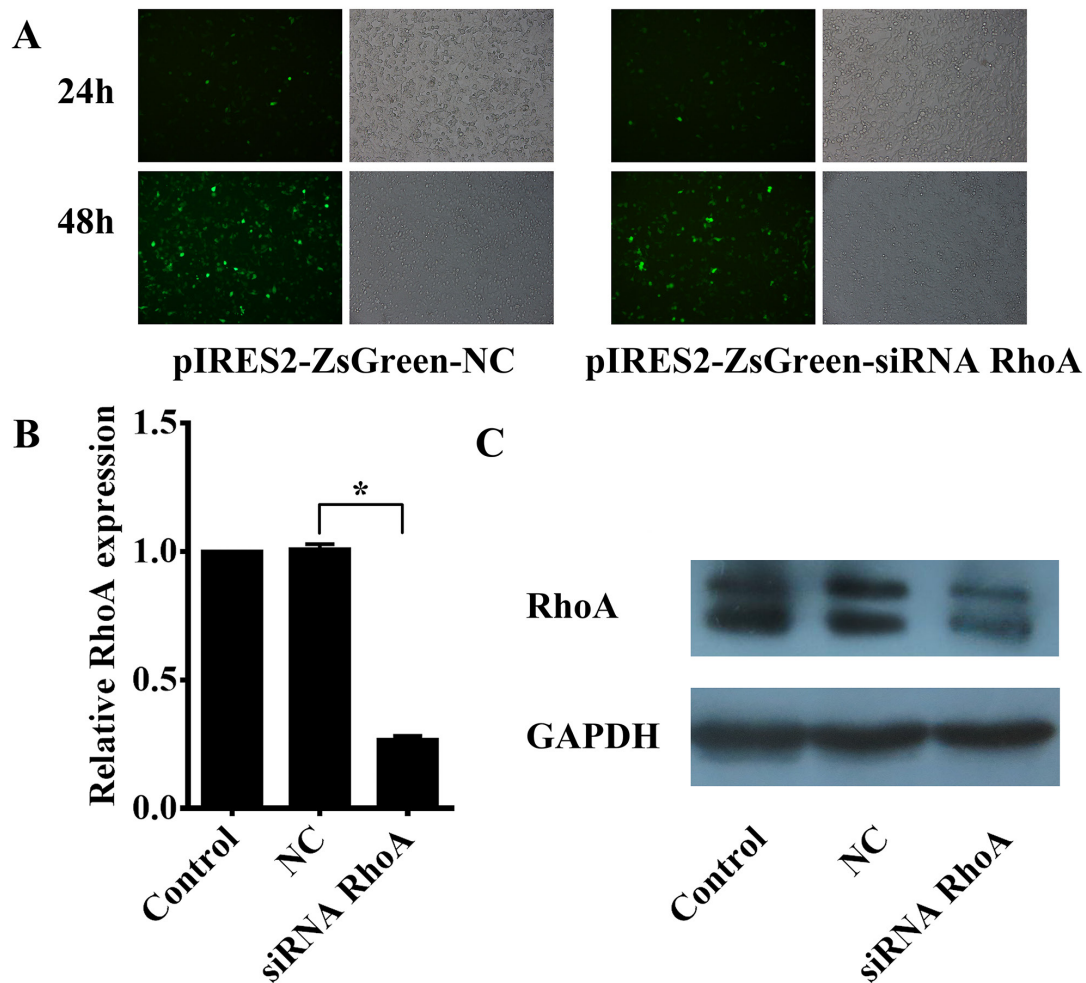
A



B



**Supplementary Figure S1: Luciferase assay.** A. position of the miR-133b target site along 3'-UTR of p63 B. HCT-116 cells were cotransfected with miR-133b vectors together with a firefly luciferase vector containing p63 3'-UTR and a Renilla luciferase control; the histogram indicates the relative luciferase unit (RLU) in different transfected cells; data represent the means  $\pm$  SD of three different experiments analyzed in triplicate.  $^{\#}P > 0.05$ .



**Supplementary Figure S2: Silencing of RhoA by siRNA.** **A.** transfected with pIRES2-Zs-Green-NC (NC group) or pIRES2-Zs-Green-siRNA RhoA (siRNA RhoA group) for 24h and 48h exhibited green fluorescent signals under a fluorescence microscope and an inverted microscope, respectively. **B.** Expression of RhoA was measured by quantitative RT-PCR in Control group, NC group and siRNA RhoA group 48h after transfection. \* $P < 0.05$ . **C.** Expression of RhoA was measured by Western blot in Control group, NC group and siRNA RhoA group 48h after transfection.

**Supplementary Table S1: Subcutaneous tumor characteristics**

Group	Tumor length	Tumor width	Tumor volume	Tumor weight	P Value
HCT-116	12.97±2.68	9.87±2.11	711.25±425.67	0.21±0.02	
TAp63	10.00±1.45	8.36±1.19	379.85±163.74	0.18±0.01	<0.05
miR-133b	10.08±1.07	7.23±1.93	260.32±184.96	0.14±0.01	<0.05
TAp63+sponge	12.80±1.48	10.80±1.10	791.34±225.35	0.27±0.02	<0.05

Data are presented as mean (SD), except where indicated. The level of statistical significance was set at  $P < 0.05$ .