



Suppl. Fig 5. Effect of p53 overexpression on intracellular ROS levels in control and mitochondrial DNA-deficient cells ($\rho 0$).

a, Mitochondria in control and mitochondrial DNA-deficient ($\rho 0$) RKO cells were stained with MitoTracker. **b**, Intracellular ROS levels measured by DCF staining and FACS-analysis in control and $\rho 0$ RKO cells after overexpression of exogenous wild-type p53 or His175 p53 mutant. ROS levels are expressed as the mean \pm sem intensity of cell fluorescence. * $P < 0.03$ and ** $P = 0.05$ compared to the corresponding untreated cells by Student's t test; **c**, RT-PCR analysis of expression of different p53 target genes after overexpression of wild-type p53 or the His175 p53 mutant into control or $\rho 0$ H1299 cells.