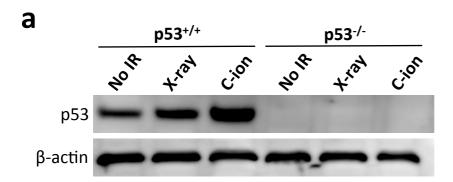
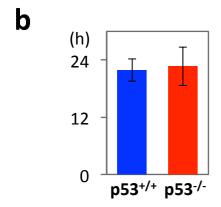
Supplementary Figure S1





Supplementary Fig. S1. Properties of the p53^{+/+} and p53^{-/-} cells.

- (a) Immunoblots showing X-ray (4 Gy) or carbon-ion beam (C-ion; 1.5 Gy) irradiation-induced expression of p53 in p53^{+/+} cells, but not in p53^{-/-} cells at 1 h post-irradiation. IR, irradiation.
- (**b**) The population doubling times of the p53^{+/+} and p53^{-/-} cells. Cells were cultured in 100 mm dishes and passaged at a $5\times$ dilution every 3 days. The number of cells was counted at the time of passage and the population doubling time calculated. Data are expressed as the mean \pm SD.