Supplementary Figure 7. *Doxycycline restores p53 expression and causes apoptosis of Eu-myc; Eu-tTA; TRE-p53.1224 lymphoma cells*

(a) Survival of Eu-myc; Eu-tTA; TRE-p53.1224 lymphoma cells after two days of doxycycline treatment. 10⁵ lymphoma cells were plated at day zero. Prior to doxycycline treatment, cells were infected with a non-regulatable p53 shRNA vector (LMP-p53.1224) or LMP empty vector, both encoding GFP. Data shown are mean ± standard error for triplicate samples.

(b) GFP and brightfield imaging of cultured Eu-myc; Eu-tTA; TRE-p53.1224 lymphoma cells infected with empty LMP vector or LMP-p53.1224 and treated with doxycycline for two days. Note increased viability of cells infected with LMP-p53.1224.

(c) p53.1224 small RNA northern blot of the cells in (a).

(d) Western blots of cultured Eu-myc; Eu-tTA; TRE-p53.1224 lymphoma cells infected with empty LMP vector or LMP-p53.1224, and treated with doxycycline for the indicated times. Note that LMP-p53.1224 blunts p53 restoration and caspase-3 cleavage in response to doxycycline. The fainter upper band in the p53 blot is non-specific.