



**Figure S4 Expression changes of specific epigenetic-controlled genes by the postnatal early-life or adult-BSp treatment.** Quantitative real-time PCR was performed to measure gene expression of tumor suppressor genes such as *p53* and *p16* (A), tumor promoting genes such as *TERT* and *c-Myc* (B) and epigenetic modulators such as *HDAC1* and *Dnmt1* (C) in breast tumors of SV40 mouse model. Data are in triplicate from three independent experiments and were normalized to *GAPDH* and calibrated to levels in untreated samples. Columns, mean; Bars, SD; \*,  $P < 0.05$ , \*\*  $P < 0.01$ , \*\*\*  $P < 0.001$ , significantly different from control.