Figure S4. Generation of SIRT2tg mice and weight analysis of SIRT2tg/BubR1<sup>H/H</sup> cohort. (A) Schematic diagram of SIRT2 transgenic with Stop cassette flanked by loxP sites localized between the CAGGS promoter and SIRT2 cDNA. (B) Ubiquitious overexpression of SIRT2 in transgenic mice. Extracts were prepared from non-transgenic and SIRT2 transgenic and western blotted for SIRT2 and Actin. (C) SIRT2tg does not recue small size phenotype of BubR1<sup>H/H</sup> mice. Weights of animals (n = 6 each group) at 6 weeks of age. Body weights of (D) male and (E) female BubR1<sup>H/H</sup> and SIRT2tg/BubR1<sup>H/H</sup> mice from weaning to 250 days of age from longevity cohort. (F) MEFs from wild-type and BubR1<sup>H/H</sup> embryos infected with control virus or virus expressing wild-type or catalytically inactive SIRT2 were western blotted for BubR1, SIRT2, and Tubulin. Error bars represent SEM. P values calculated using Student’s t-test (n = 3), * P < 0.05, ** P < 0.005.