S3 Fig. Changes in components of the NAD metabolism in wild-type and genetically modified mice (A) NAMPT protein expression and activity was determined in a Western blot and functional assay (see S1 Methods). In Western blots GAPDH expression served as control (n = 3). (B) NAD kinase (NADK) protein levels were quantified in Western blots and referred to GAPDH expression. (C) NADP levels (n = 5) were quantified using reversed-phase HPLC (see Materials and Methods) (D, E) SIRT1 protein and global lysine acetylation was measured by Western blot analyses. Data represent means ± SEM. For Western blots one representative blot is shown. Significance levels were calculated by one way analysis of variance followed by Bonferroni post hoc test.