



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 \pm 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.