

Fig. S1 p21 protein level (**A**) in hippocampus of 4- and 24-month-old IL-6-deficient (IL-6KO) and wild type control (WT) mice was comparable in all tested groups. Bars represent mean \pm SEM obtained from 6 animals in each group. (**B**) Representative immunoblot for p21 protein is shown together with α -tubulin as a loading control. M - molecular weight marker

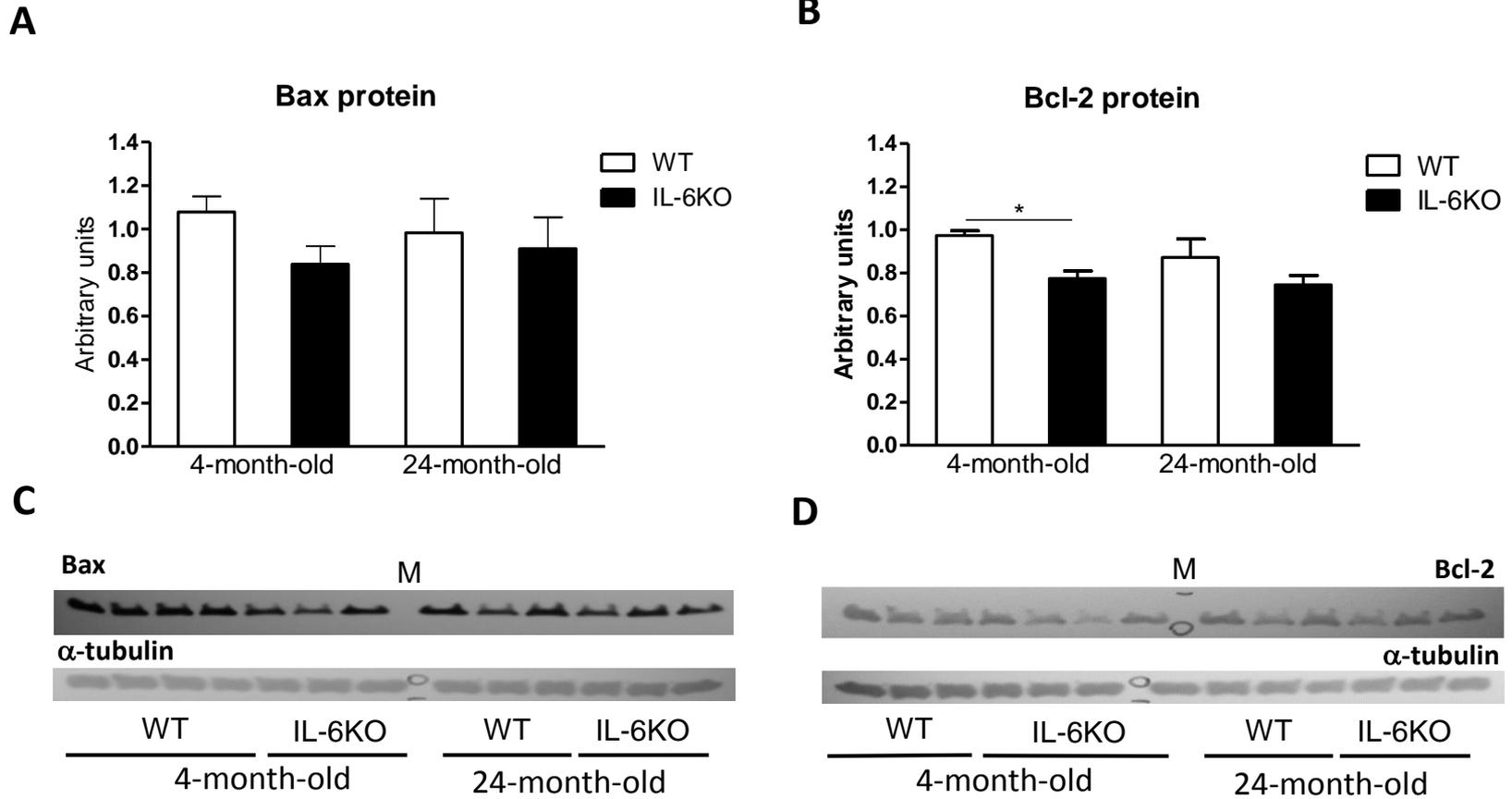


Fig. S2 Pro-apoptotic Bax protein (**A**) and anti-apoptotic Bcl-2 protein (**B**) in hippocampus of 4- and 24-month-old IL-6-deficient (IL-6KO) and wild type control (WT) mice. Bars represent mean \pm SEM obtained from 6 animals in each group. There were no significant differences in the amount of Bax in tested groups of mice. Analysis of Bcl-2 protein expression revealed its lower levels in IL-6KO mice, which was statistically significant in young adult group ($p < 0.05$, ANOVA and Bonferroni post-hoc). Aging did not affect expression of Bcl-2 protein. (**C**, **D**) Representative immunoblots, for Bax and Bcl-2 proteins, respectively, are shown together with α -tubulin as a loading control. M - molecular weight marker