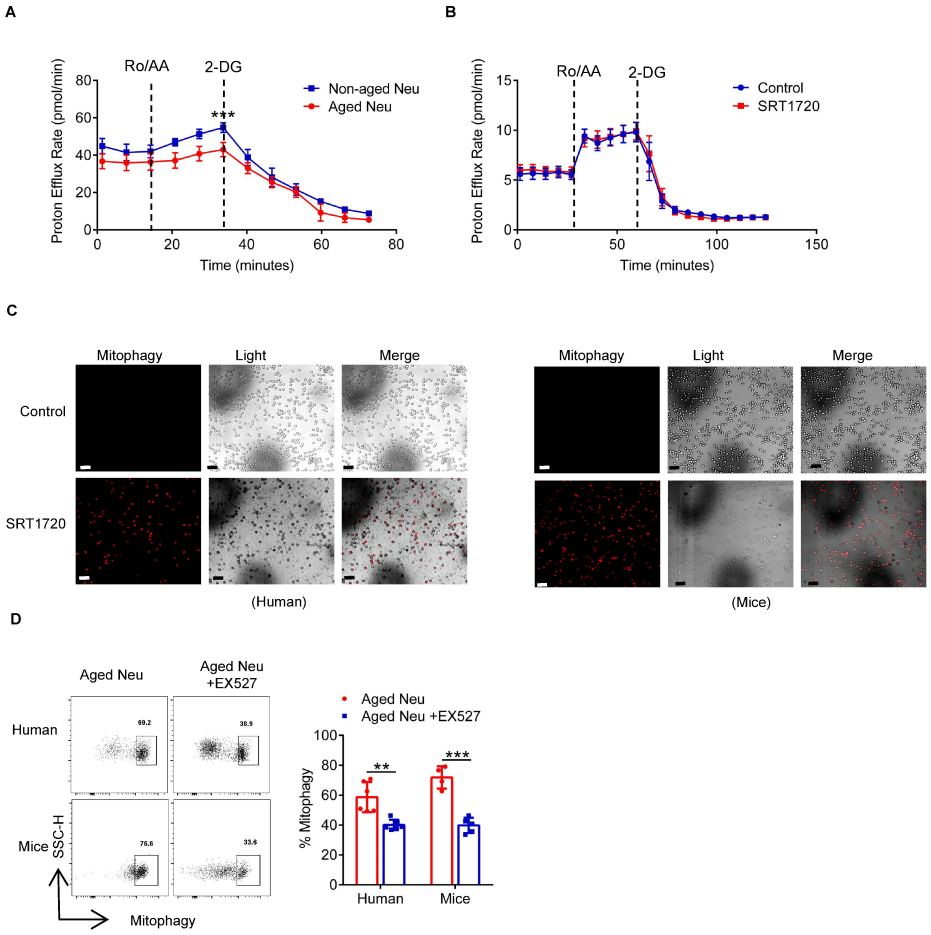


**Supplemental figure5. SIRT1 prolongs the survival of Naged through mitophagy.**
**(A)** Glycolysis rate of aged and non-aged neutrophils from 2-week tumor-bearing mice were measured under basal conditions and in response to treatment with the indicated drugs (2.5 μM Rotenone and Antimycin A and 100 mM 2-DG). **(B)** The glycolysis rate of neutrophils from the BM of naïve mice treated with SRT1720 was measured under basal conditions and in response to treatment with the indicated drugs (2.5 μM Rotenone and Antimycin A and 100 mM 2-DG). **(C)** Representative images of mitophagy in neutrophils in the PB from patients with breast fibroadenoma and the BM of naïve mice treated with SRT1720, in condition of pepstatin A and leupeptin (inhibitors of autophagy clearance) for 4 hours *in vitro*. Scale bar, 20 μm. **(D)** Flow cytometry analysis of mitophagy of aged neutrophils from the PB of patients with breast cancer and lung of 2-week tumor-bearing mice treated with SIRT1 inhibitor (EX527) for 4 hours *in vitro*. Data are presented as the means ± SD from one representative experiment. Similar results were obtained from three independent experiments, unless indicated otherwise. Statistical analysis was performed by repeated-measures ANOVA (**A**, **B**) two-tailed unpaired Student's t test (**D**). ns, not significant, *$p$<0.05, **$p$<0.01, and ***$p$<0.001.