



**Supplementary Fig. 4.** Autophagy activity in mouse islets under chronic glucolipotoxicity (GLT). Mouse islets were exposed to GLT (glucose 20 mM and palmitate 0.5 mM) for 29 hours, total protein was extracted, and Western blotting was performed. Experiment numbers 5 to 6. The lines and error bars represent mean  $\pm$  standard error of the mean. Student's *t*-test was applied. V, vehicle; LC3B, light chain 3B. <sup>a</sup>*P* < 0.01.