



Supplementary Fig. 3. High-fat diet (HFD) for 12 weeks as the first stage of the study induced pre-Diabetes in male mice. Mice were treated with two different diets: a normal diet (ND, $n=7$) or HFD ($n=42$). (A) Glucose tolerance test was conducted and (B) the area under the curve (AUC) was calculated at the end of the first stage. ^a $P < 0.01$ vs. ND.