



Supplementary Fig. 2. High-fat diet (HFD) induced pre-Diabetes in male mice at the first and second stages of the study. In the first stage, mice were treated with two different diets: a normal diet (ND, $n=7$) or HFD ($n=42$) for 12 weeks. Then, in the second stage, mice were further treated with the same diet for additional 10 weeks ($n=7$ /group). (A) Body weight (BW) was recorded at 0, 12 (the end of the first stage), and 22 weeks (the end of the second stage). (B) The area under the curve (AUC) measured by the glucose tolerance test was calculated at the end of each stage. pre-D, no treatment. ^a $P < 0.01$ vs. diet-matched mice of week 0, ^b $P < 0.01$ vs. age-matched ND, ^c $P < 0.01$ vs. diet-matched mice of week 12.