



**Figure S1.** Effect of EAT on insulin level and glucose tolerance test in HCD-induced mice model. (A) At the end of the experiment, blood was collected from the abdominal vena cava and immediately centrifuged. Insulin level was determined using a mouse insulin ELISA kit. (B) After 12 h of fasting, a glucose solution was injected intraperitoneally (2 g/kg), and blood was collected from the tail vein at 0, 30, 60, 90, 120, 150, and 180 min. Blood glucose levels were measured using a glucometer.