Supplementary Fig. 1 Assessment of insulin sensitivity by hyperinsulinaemic euglycaemic clamp. In a separate group of 9 wk old female Sprague Dawley rats fed normal fat (18% of total calories) or the high-fat diet for 5 wk (as in the beginning of insulin treatment in the main protocol), hyperinsulinaemic-euglycaemic clamp was conducted. The details of the clamp are described in Supplementary Methods. A: Body weight 5 wk after feeding with a standard rodent chow or high-fat diet. B and C: Levels of plasma glucose and insulin during basal and clamp periods. D: Glucose infusion rate (GINF). GINF is the rate to maintain plasma glucose levels at baseline under insulin infusion, and indicates whole body insulin sensitivity. Normal diet, n=5; High-fat diet, n=4. ***p<0.001 vs. Normal diet; †††p<0.001 vs. Basal.