



Supplementary Fig. 3. (A) Glycosylated hemoglobin (HbA1c) levels in KK-Ay mice at 8, 12, 16, 20 weeks of age ($n=4$). (B) Body weight change during 8 weeks of treatment ($n=8-10$). (C) Accumulated calorie intake during 8 weeks of treatment ($n=8-10$). (D) Weight of each organ after sacrifice ($n=8-10$). (E, F) mRNAs expression level related mitochondrial biogenesis and lipid oxidation in liver ($n=8-10$). (G) Global acetyl-lysine in liver. Data shown represent mean \pm standard error of the mean. Unpaired Student's t -tests. CTRL, control; NS, not significant; EAT, epididymal adipose tissue; MAT, mesenteric adipose tissue; SAT, subcutaneous adipose tissue; Foxo1, forkhead box O1; Tfam, transcription factor A, mitochondrial; Esrra, estrogen-related receptor alpha; Nrf1, nuclear respiratory factor 1; Ppargc1a, PPARG coactivator 1 alpha; Sirt1, sirtuin 1; Acox1, acyl-CoA oxidase 1; Ppara, peroxisome proliferator-activated receptor alpha; mcad, medium-chain acyl-CoA dehydrogenase; IB, immunoblotting; GAPDH, glyceraldehyde-3-phosphate dehydrogenase. ^a $P \leq 0.05$, ^b $P \leq 0.01$, ^c $P \leq 0.001$, ^d $P \leq 0.0001$.