Supplementary Fig. 4. Signal transducer and activator of transcription 3 (STAT3) binding to the carnitine palmitoyl transferase 1b (Cpt1b) promoter and effects of peroxisome proliferator-activated receptor (PPAR) agonists on fatty acid oxidation (FAO) in 3T3-L1 adipocytes. (A) After serum starvation for 24 hours, 3T3-L1 adipocytes were treated with leptin for 24 hours, and then subjected to chromatin immunoprecipitation-coupled quantitative polymerase chain reaction analysis using antibodies against STAT3 and the primers flanking the STAT3 binding site of the Cpt1b promoter. Binding activity was expressed as its % input (n=5). (B) After serum starvation for 24 hours, 3T3-L1 adipocytes were treated with WY14643 (WY, 10 μM) or rosiglitazone (Rosi, 10 μM) for 24 hours, and then FAO was measured. FAO levels were expressed as dpm/μg of proteins (n=4). All data are presented as mean±standard error of the mean. *P<0.05 vs. vehicle.