



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 μ M) or rosiglitazone (Rosi, 10 μ M) for 24 hours, and then FAO was measured. FAO levels were expressed as dpm/ μ g of proteins ($n=4$). All data are presented as mean \pm standard error of the mean. ^a $P < 0.05$ vs. vehicle.