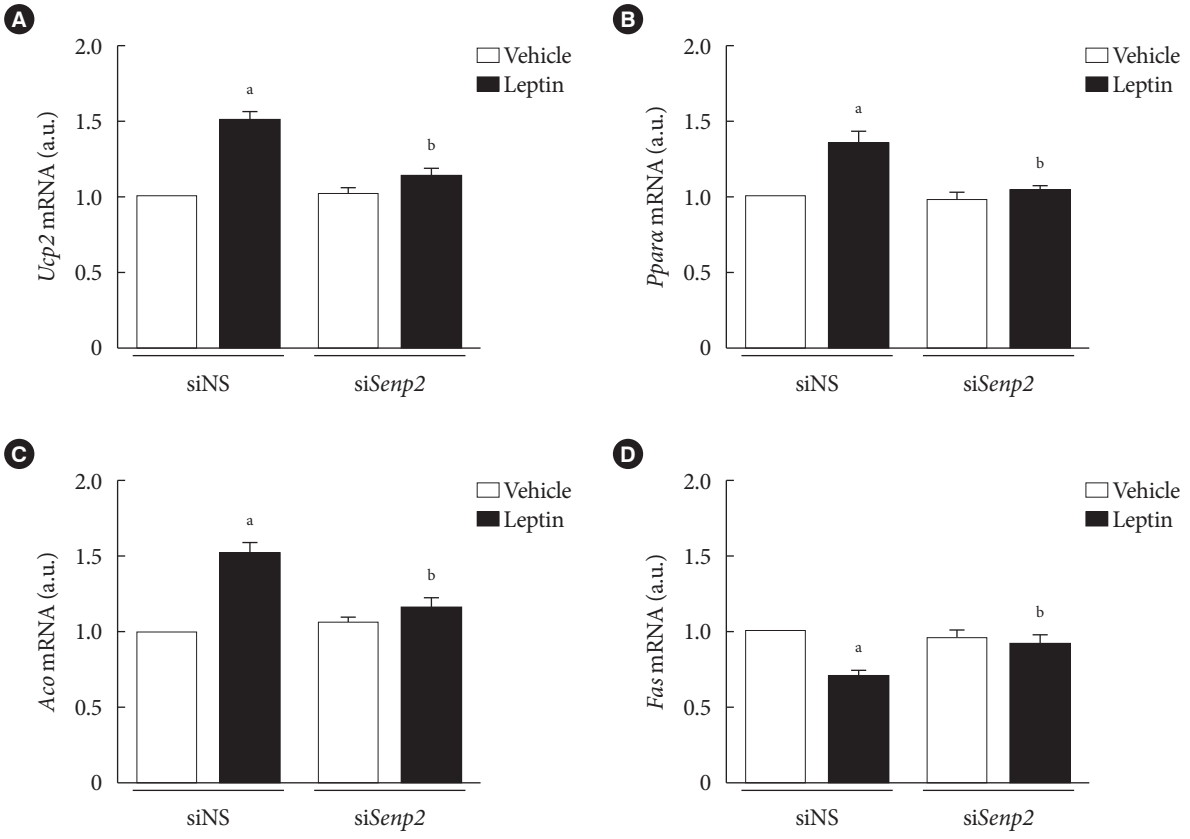

Supplementary Fig. 2. Expression of fatty acid metabolism-related genes by leptin after SUMO-specific protease 2 (SENP2) knockdown in 3T3-L1 adipocytes. After nonspecific small interfering RNA (siNS) or siRNA against *Senp2* (si*Senp2*, 200 nM) treatment for 48 hours, 3T3-L1 adipocytes were treated with leptin (50 ng/mL) for 24 hours, and then real-time quantitative polymerase chain reaction analysis was performed using primers for uncoupling protein 2 (*Ucp2*) (A), peroxisome proliferator-activated receptor α (*Pparα*) (B), acyl-coenzyme A oxidase (*Aco*) (C), or fatty acid synthase (*Fas*) (D). The mRNA levels of siNS/vehicle were expressed as 1, and the others were expressed as relative values ($n=3$). All data are presented as mean±standard error of the mean. a.u., arbitrary unit. [a]$P<0.05$ vs. vehicle, [b]$P<0.05$ vs. siNS/leptin.