



Supplementary Figure S1. ChIP negative control validation. ChIP-qPCR was used to validate the enrichment differences of H3K18 La at the ACSL4 promoter region (target region) compared to the GAPDH promoter region (negative control). Data are presented as fold enrichment relative to the IgG control (mean  $\pm$  SD,  $n = 3$ ).  $P < 0.01$  vs. IgG (one-way ANOVA).