



**Supplementary Fig. S1. The effects of spermidine (Spd) and spermine (Spm) on 3T3-L1 adipocyte differentiation.** (A-C) Cells were differentiated into adipocytes for 6 days. (A) After differentiation, the cells were stained with oil red O. Scale bars = 100  $\mu$ m. (B) The mRNA expression of both adipogenic and lipogenic genes, as analyzed through quantitative real-time PCR. All data are presented as the mean  $\pm$  SEM of two independent experiments ( $n = 4$ ). \* $P < 0.05$  versus the control group (two-way ANOVA followed by Tukey's post hoc test). (C) PPAR $\gamma$  and adiponectin expression, as determined by Western blotting. PPAR $\gamma$ , peroxisome proliferator-activated receptor gamma; C/EBP $\alpha$ , CCAAT/enhancer-binding protein alpha; C/EBP $\beta$ , CCAAT/enhancer-binding protein beta; FABP4, fatty acid binding protein 4; FAS, fatty acid synthase.