

Figure S1 (A) mRNA sequencing data reads quality statistics; **(B)** Boxplot of mRNA sequencing expression in transfected cells.

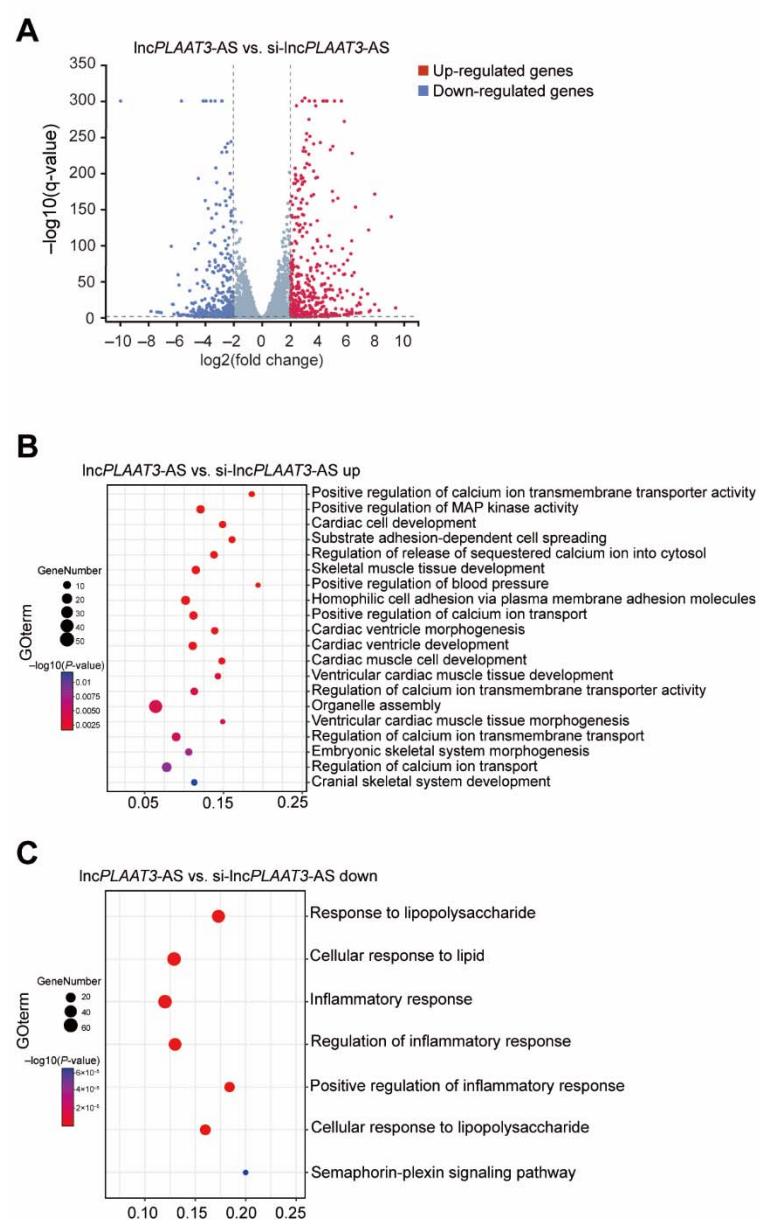


Figure S2 (A) Differentially expressed gene volcano plot; (B~C) The top 20 KEGG pathways of differential genes. Sequentially for IncPLAAT3-AS vs si-IncPLAAT3-AS differential genes with up-regulated expression, IncPLAAT3-AS vs si-IncPLAAT3-AS differential genes with down-regulated expression.

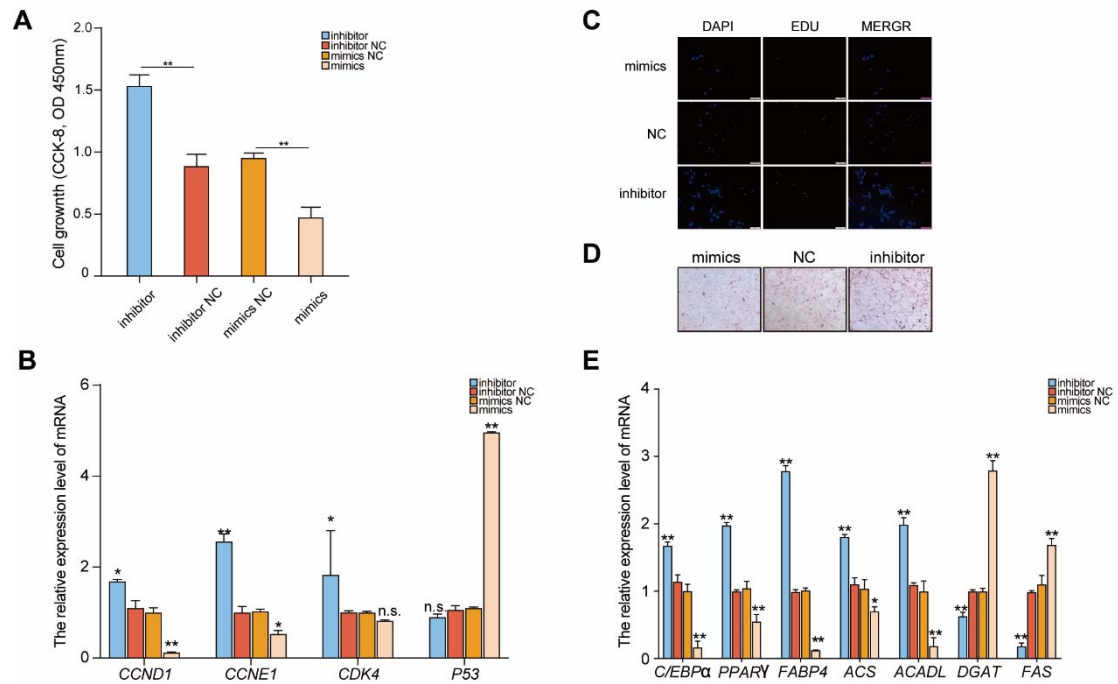


Figure S3 (A) cell proliferation was evaluated at 24 h of proliferation by performing CCK-8, miR-503-5p mimic negative control for miR-503-5p mimic NC, miR-503-5p inhibitor negative control for miR-503-5p inhibitor NC; (B) qRT-PCR analysis of genes related with cell cycle; (C) Representative images illustrating the EdU of PK15 cells transfected with miRNA-503-5p mimics or miRNA-503-5p inhibitor; (D) Cells were stained with oil red O, NC is negative control; (E) The expression levels of gene-related adipogenic, fatty acid oxidation and fatty acid transportation synthesis were measured by qRT-PCR. Scale bars 50 μm. All results are presented as means ± SEM (n = 3). * P < 0.05; ** P < 0.01, n.s. no significant difference.

