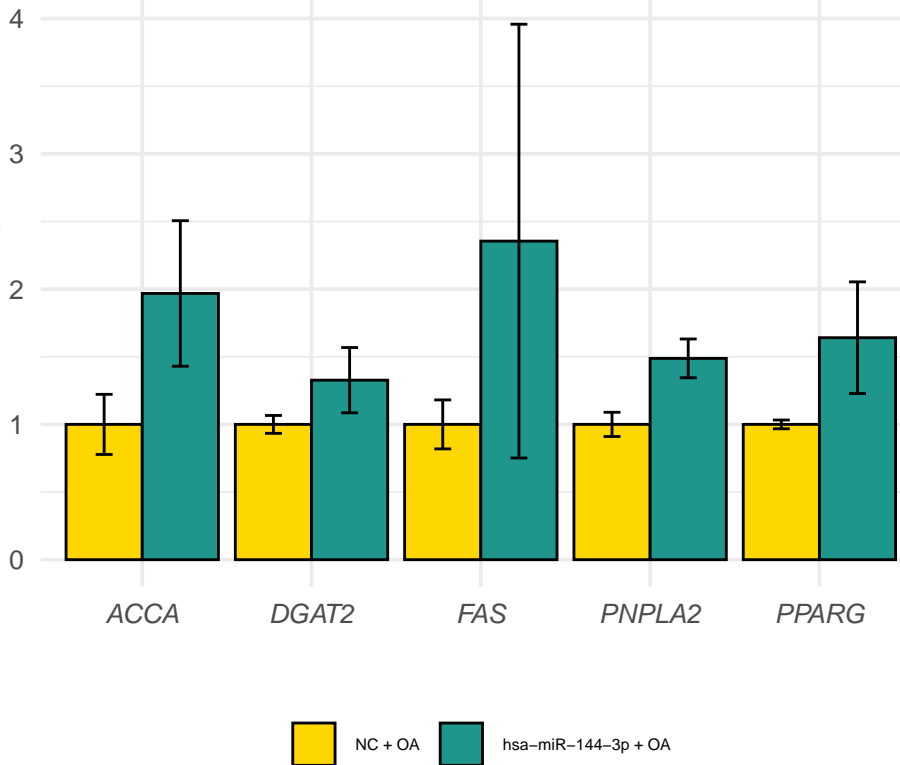


Relative gene expression
Fold change



Description: The mRNA levels of protein-coding genes *ACCA*, *DGAT2*, *FAS*, *PNPLA2*, *PPARG*, involved in glucose and lipid metabolism, were assessed. HepG2 cells were transfected with 50 nM of mirVana mimic *mmiR-144-3p* (5'-UACAGUAUAGAU GAUGUACU-3') along with a randomized sequence as control (Negative Control 1). Twenty-four hours post-transfection, cells were treated with oleic acid (0.5 mM) for 24 hours. Results are mean relative gene expression \pm SEM ($n = 3$).

Abbreviations: NC (negative control), OA (Oleic Acid), *ACCA* (Acetyl-CoA Carboxylase Alpha), *DGAT2* (Diacylglycerol O-Acyltransferase 2), *FAS* (Fatty Acid Synthase), *PNPLA2* (Patatin-like phospholipase domain-containing protein 2), *PPARG* (Peroxisome Proliferator Activated Receptor Gamma).

p -value: * $p < 0.05$.