

Relative gene expression  
Fold change

2.0

1.5

1.0

0.5

0.0

*ACACA*

*DGAT2*

*FAS*

*PNPLA2*

*PPARG*



NC + OA



hsa-miR-372-3p + OA

**Description:** The mRNA levels of protein-coding genes *ACACA*, *DGAT2*, *FAS*, *PNPLA2*, *PPARG*, involved in glucose and lipid metabolism, were assessed. HepG2 cells were transfected with 50 nM of mir-Vana mimic *miR-372-3p* (5'-AAAGUGCUGCGACAUUUUGAGCGU-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: \*  $p < 0.05$ .