

Supplementary Table 1. Patient Characteristics for qRT-PCR analysis of liver gene expression

	Control (n=6)	NASH (n=27)
Age (yr)	14.8 ± 10.14 ^a	12.3 ± 2.5
Gender (M%)	33% ^b	70%
BMI z-score	-	2.25 ± 0.57
AST (U/L)	Normal	59.6 ± 25.6 ^c
ALT (U/L)	Normal	95.1 ± 51.2
ALP (U/L)	-	181.3 ± 108.4
GGT (U/L)	-	49.1 ± 31.9
HbA1c (%)	-	5.5 ± 0.7
Glucose (mg/dL)	-	89.8 ± 13.7
Insulin (mIU/L)	-	23.3 ± 15.3
HOMA-IR	-	5.2 ± 0.7
Cholesterol (mg/dL)	-	178.7 ± 50.7
Triglycerides (mg/dL)	-	132 ± 77.1

BMI, Body Mass Index; AST, Aspartate Amino Transferase; ALT, Alanine Amino Transferase; ALP, Alkaline Phosphatase; GGT, gamma glutamyl transpeptidase; HbA1c, glycosylated hemoglobin; HOMA-IR, Homeostatic Model Assessment for Insulin Resistance.

^aValues are expressed as mean ± standard deviation.

^bGender was not matched as gender did not affect the expression of bile acid related genes.

^cBlood samples were collected after overnight fast.