

Table S2 General characteristics from control and LMKO mice after 8 weeks under HFD

Variable	Unit	control	LMKO
body weight	g	27.81 ± 1.33	22.27 ± 1.13*
liver weight	g	0.83 ± 0.07	0.62 ± 0.02*
liver/body	%	3.00 ± 0.13	2.77 ± 0.08
Fat mass	g	8.11 ± 0.77	5.76 ± 0.74*
Fat mass/BW	%	27.02 ± 2.10	20.98 ± 2.28
Lean mass	g	17.14 ± 0.46	17.40 ± 0.61
Lean mass/BW	%	57.87 ± 1.90	64.30 ± 2.30*
ALT	U L ⁻¹	30.83 ± 5.03	37.60 ± 10.20
AST	U L ⁻¹	233.50 ± 67.2	188.20 ± 9.9
Albumin	g L ⁻¹	30.67 ± 0.80	31.00 ± 0.00
NEFA	mEq L ⁻¹	0.92 ± 0.09	0.98 ± 0.10
Fasted liver Chol	mg g ⁻¹	1.89 ± 0.19	1.96 ± 0.22
Fasted liver TG	mg g ⁻¹	18.35 ± 2.08	20.38 ± 2.58
Fasted liver NEFA	μEq g ⁻¹	2.57 ± 0.30	2.47 ± 0.19
Adiponectin	μg ml ⁻¹	27.05 ± 2.69	27.02 ± 2.74
Leptin	pg ml ⁻¹	371.7 ± 144.2	285.5 ± 125.8
Refed NEFA	mEq L ⁻¹	0.85 ± 0.08	0.67 ± 0.16
Refed liver Chol	mg g ⁻¹	1.93 ± 0.10	2.02 ± 0.07
Refed liver TG	mg g ⁻¹	18.69 ± 4.53	20.97 ± 4.64
Refed liver NEFA	μEq g ⁻¹	1.63 ± 0.02	2.02 ± 0.17

High fat diet (HFD), Body weight (BW), Non-Esterified Fatty Acids (NEFA), Alanine aminotransferase (ALT), Aspartate aminotransferase (AST), Cholesterol (Chol), Triglycerides (TG). n = 8 or 9 per group. All data were obtained from overnight-fasted mice, unless indicated. Data were presented as mean \pm s.e.m. * $P < 0.05$.