



**Supplementary Fig 1.** LSDP5 protein expression in mouse fatty liver. Immunoblot analyses of LSDP5 protein expression in liver from mice fed with chow, high-fat diet (HF) for 20 weeks, and from db/db mice. M: mouse muscle, positive control for LSDP5 expression.

**Supplementary Table 1 Clinical characteristic of subjects**

Variables	Non-FL n = 4	FL n = 4
BMI (kg/m <sup>2</sup> )	22.3 ± 0.5	26.3 ± 1.6
Age (y)	46 ± 5	43 ± 6
Triglyceride (mmol/L)	0.4 (0.3-1.0)	1.6 (0.9-2.3)
Total cholesterol (mmol/L)	2.0 (1.4-2.5)	3.7 (1.7-4.5)
Steatosis (%)	< 5	20-30

Data represent means ± SE for age and BMI, or median (min-max), or range.