

Table S1: Plasma parameters in fed WT and *Cox6a2*^{-/-} mice

	Regular diet		HFD	
	WT	<i>Cox6a2</i> ^{-/-}	WT	<i>Cox6a2</i> ^{-/-}
Age (weeks)	13	13	18	18
Body weight (g)	21.3 ± 0.6	25.9 ± 1.4 ^b	27.5 ± 0.9	39.9 ± 1.9 ^c
Glucose (mg/dl)	132.4 ± 4.6	118.8 ± 7.7	133.6 ± 10.8	130.0 ± 9.2
Insulin (ng/ml)	0.9 ± 0.1	0.6 ± 0.1	3.8 ± 1.3 ^d	0.7 ± 0.1 ^a
Leptin (ng/ml)	ND	ND	43.8 ± 5.5	15.9 ± 2.9 ^b
Cholesterol (mg/dl)	ND	ND	163.5 ± 20.7	109.8 ± 4.0 ^a
HDL-cholesterol (mg/dl)	ND	ND	140.3 ± 17.6	92.4 ± 3.2 ^a
Triglycerides (mg/dl)	ND	ND	72.0 ± 3.7	46.2 ± 2.0 ^c
ALT (U/l)	ND	ND	55.5 ± 18.6	33.6 ± 1.1
AST (U/l)	ND	ND	80.3 ± 17.4	44.4 ± 2.4

Data are means ± SEM; n = 5 mice in each group.

ND: Not determined.

^a $p < 0.05$.

^b $p < 0.01$.

^c $p < 0.001$.

^d $p < 0.05$ versus wild-type mice on regular diet