

Table S2

Liver triglyceride concentration on standard or HFD

	Liver triglyceride ($\mu\text{mol/g}$)	<i>P</i> value (between diets within a genotype)	<i>P</i> value (versus control within a diet)
Standard Chow			
<i>Mstn</i> ^{+/+}	22.5 \pm 2.4		
<i>Mstn</i> ^{-/-}	6.1 \pm 1.0		0.036
HFD			
<i>Mstn</i> ^{+/+}	73.3 \pm 6.3	<0.001	
<i>Mstn</i> ^{-/-}	24.8 \pm 3.0	0.004	<0.001
Standard Chow			
Non-transgenic	18.6 \pm 1.2		
<i>Muscle-DN</i>	11.4 \pm 1.1		1.000
HFD			
Non-transgenic	23.3 \pm 2.3	0.282	
<i>Muscle-DN</i>	16.2 \pm 1.1	0.341	1.000
Standard Chow			
Non-transgenic	19.9 \pm 1.5		
<i>Fat-DN</i>	20.4 \pm 2.0		1.000
HFD			
Non-transgenic	50.8 \pm 5.1	<0.001	
<i>Fat-DN</i>	40.8 \pm 3.6	<0.001	0.321

Data are expressed as mean \pm SEM of 4-11 per group.