

Supplementary Table S2. Detailed results of the three-way ANOVA shown in Figure 4.

Analysis	Main Effect	F (DFn, DFd)	p value
Fig. 4A. <i>Cd36</i> mRNA expression	Time	F (2, 44) = 11.88	<0.0001
	Sex	F (1, 44) = 57.22	<0.0001
	Genotype	F (1, 44) = 4.845	0.0330
	Time x Sex	F (2, 44) = 14.56	<0.0001
	Time x Genotype	F (2, 4) = 3.285	0.0468
	Sex x Genotype	F (1, 44) = 15.95	0.0002
	Time x Sex x Genotype	F (2, 44) = 2.778	0.0731
Fig. 4B. <i>Cpt1a</i> mRNA expression	Time	F (2, 43) = 3.207	0.0503
	Sex	F (1, 43) = 41.14	<0.0001
	Genotype	F (1, 43) = 0.07970	0.7791
	Time x Sex	F (2, 43) = 4.291	0.0200
	Time x Genotype	F (2, 43) = 1.421	0.2527
	Sex x Genotype	F (1, 43) = 4.567	0.0383
	Time x Sex x Genotype	F (2, 43) = 3.522	0.0383
Fig. 4C. <i>Acox1</i> mRNA expression	Time	F (2, 43) = 0.1323	0.8765
	Sex	F (1, 43) = 15.98	0.0002
	Genotype	F (1, 43) = 0.003486	0.9532
	Time x Sex	F (2, 43) = 0.4239	0.6572
	Time x Genotype	F (2, 43) = 3.533	0.0380
	Sex x Genotype	F (1, 43) = 0.4338	0.5136
	Time x Sex x Genotype	F (2, 43) = 1.142	0.3287
Fig. 4D. <i>Srebf1</i> mRNA expression	Time	F (2, 44) = 3.463	0.0401
	Sex	F (1, 44) = 3.227	0.0793
	Genotype	F (1, 44) = 0.07502	0.7854
	Time x Sex	F (2, 44) = 0.2512	0.7790
	Time x Genotype	F (2, 44) = 2.795	0.0720
	Sex x Genotype	F (1, 44) = 0.2637	0.6102
	Time x Sex x Genotype	F (2, 44) = 1.113	0.3377
Fig. 4E. <i>Fasn</i> mRNA expression	Time	F (2, 43) = 1.410	0.2551
	Sex	F (1, 43) = 14.19	0.0005
	Genotype	F (1, 43) = 0.1379	0.7122
	Time x Sex	F (2, 43) = 1.291	0.2856
	Time x Genotype	F (2, 42) = 3.504	0.0389
	Sex x Genotype	F (1, 43) = 0.02004	0.8881
	Time x Sex x Genotype	F (2, 43) = 2.337	0.1088
Fig. 4F. <i>Scd1</i> mRNA expression	Time	F (2, 44) = 0.9096	0.4101
	Sex	F (1, 44) = 0.4697	0.4967
	Genotype	F (1, 44) = 1.224	0.2745
	Time x Sex	F (2, 44) = 1.894	0.1625
	Time x Genotype	F (2, 44) = 3.054	0.0573
	Sex x Genotype	F (1, 44) = 0.0001939	0.9890
	Time x Sex x Genotype	F (2, 44) = 0.1619	0.8510
Fig. 4G. <i>Ppara</i> mRNA expression	Time	F (2, 43) = 2.565	0.0887

	Sex	F (1, 43) = 45.53	<0.0001
	Genotype	F (1, 43) = 0.4393	0.5110
	Time x Sex	F (2, 43) = 5.929	0.0053
	Time x Genotype	F (2, 43) = 3.716	0.0325
	Sex x Genotype	F (1, 43) = 7.687	0.0082
	Time x Sex x Genotype	F (2, 43) = 3.009	0.0598
Fig. 4H. <i>Fabp1</i> mRNA expression	Time	F (2, 43) = 0.05558	0.9460
	Sex	F (1, 43) = 24.20	<0.0001
	Genotype	F (1, 43) = 0.5474	0.4634
	Time x Sex	F (2, 43) = 1.608	0.2120
	Time x Genotype	F (2, 43) = 0.5763	0.5662
	Sex x Genotype	F (1, 43) = 1.301	0.2604
	Time x Sex x Genotype	F (2, 43) = 2.916	0.0649
Fig. 4I. <i>Fgf21</i> mRNA expression	Time	F (2, 43) = 10.19	0.0002
	Sex	F (1, 43) = 29.17	<0.0001
	Genotype	F (1, 43) = 0.03781	0.8467
	Time x Sex	F (2, 43) = 10.14	0.0002
	Time x Genotype	F (2, 43) = 2.557	0.0893
	Sex x Genotype	F (1, 43) = 1.700	0.1992
	Time x Sex x Genotype	F (2, 43) = 3.704	0.0328

Statistically significant results are shown in bold ($p < 0.05$).