

Supplementary table S1. Two-way ANOVA results (p-values) for STRAIN and DIET as major factors and their interaction.

Trait	STRAIN	DIET	STRAIN*DIET INTERACTION
Body weight	0.119	0.006	0.31
Liver weight/100g	0.60	0.053	0.34
Heart weight/100g	0.63	0.027	0.09
Kidney weight	0.43	9.5E-05	0.007
Epididymal fat weight/100g	0.0018	5.2E-06	0.015
Retroperitoneal fat weight/100g	0.27	0.06	0.027
Triacylglycerols	0.0006	0.28	0.0008
Cholesterol	4.8E-13	0.0015	0.013
Glucose – 0 min	7.4E-06	0.59	0.83
Glucose – 30 min	0.0003	0.49	0.46
Glucose – 60 min	0.0001	0.23	0.29
Glucose – 120 min	9.2E-09	0.43	0.021
Glucose – 180 min	2.2E-05	0.42	0.30
AUC (OGTT)	0.040	0.49	0.21
Insulin	0.39	0.60	0.98
Free fatty acids	5.15E-12	0.058	0.027

Significant values are indicated in **bold**. AUC (OGTT)...area under the glycemic curve of the oral glucose tolerance test.