

SUPPLEMENTARY TABLES

Table S1. Sequences of primers used in gene expression analysis.

Table S2. Biochemical parameters of experimental groups

<u>Parameter</u>	<u>C group</u>	<u>T group</u>
FFA (nmol/ μ l)	0.61 ± 0.08	0.57 ± 0.08
TC (μ g/ μ l)	3.03 ± 0.25	3.19 ± 0.49
TG (nmol/ μ l)	0.78 ± 0.15	0.73 ± 0.16

FFA: free fatty acids; TC: total cholesterol; TG: triglycerides.

Table S3. Correlation coefficients (Pearson's correlation analysis between study parameters

Parameters		r	P
FBG (log-transformed)	BW	0.2360	0.2668
	Serum GLP-1	-0.6770	0.0003***
	Serum C-peptide	-0.1801	0.4226
	Serum leptin	0.4568	0.0429*
	G6P	0.5695	0.0037**
	PEPCK	0.6160	0.0018**
	GCK	-0.4227	0.0445*
Serum GLP-1	BW	-0.3409	0.1031
	FBG (log-transformed)	-0.6770	0.0003***
	Serum C-peptide	-0.0011	0.9962
	Serum Leptin	-0.2516	0.2847
	G6P	-0.4504	0.0272
	PEPCK	-0.4801	0.0204
	GCK	-0.2910	0.1780
Serum C-peptide	BW	-0.1604	0.4757
	FBG (log-transformed)	-0.1801	0.4226
	Serum GLP-1	-0.0011	0.9962
	Serum Leptin	-0.2088	0.4058
	G6P	-0.5037	0.0169*
	PEPCK	-0.3971	0.0746
	GCK	-0.1626	0.4812
Serum Leptin	BW	0.2476	0.2926
	FBG (log-transformed)	0.4568	0.0429*
	Serum GLP-1	-0.2516	0.2847
	Serum C-peptide	-0.2088	0.4058
Globet cells	HOMA-IR	-0.6668	0.0179*

Statistical significance is highlighted in bold. BW: body weight; FBG: fasting blood glucose; GCK: glucokinase; GLP-1: glucagon-like peptide-1; G6P: glucose-6-phosphatase; HOMA-IR: homeostatic model assessment for insulin resistance; PEPCK: phosphoenolpyruvatecarboxykinase;

r = Pearson's rho. * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$.