

Supporting Information

Samuel et al. 10.1073/pnas.0812547106

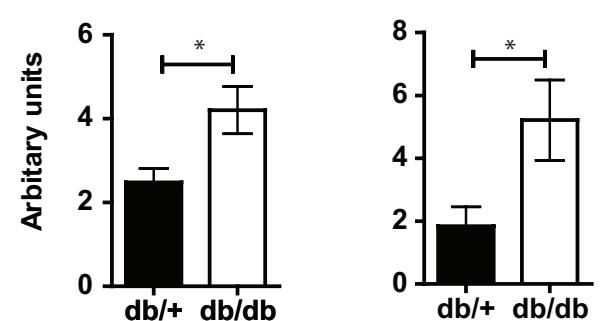
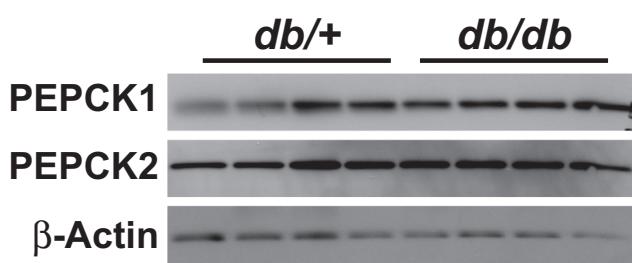
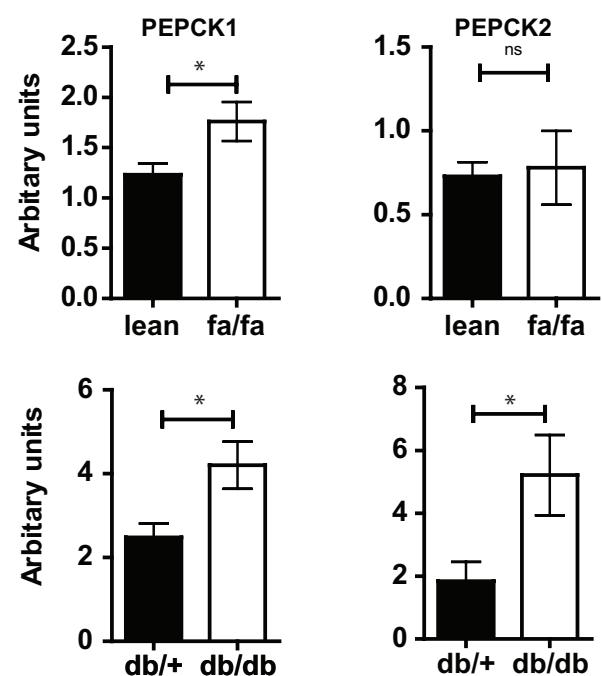
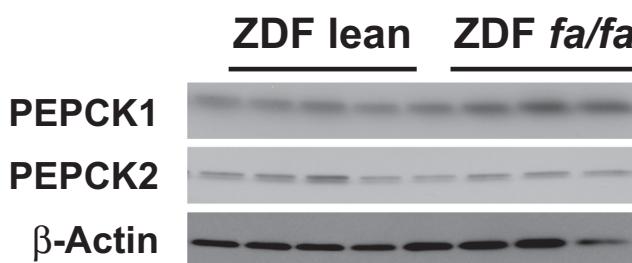


Fig. S1. Phosphoenolpyruvate carboxykinase 1 (PCK1) and PCK2 expression in Zucker Diabetic Fatty (ZDF) rats and db/db mice. (*Left*) Representative Western blots. (*Right*) Quantification of PCK1 and PCK2 expression, normalized to actin. $n = 8$ per group.

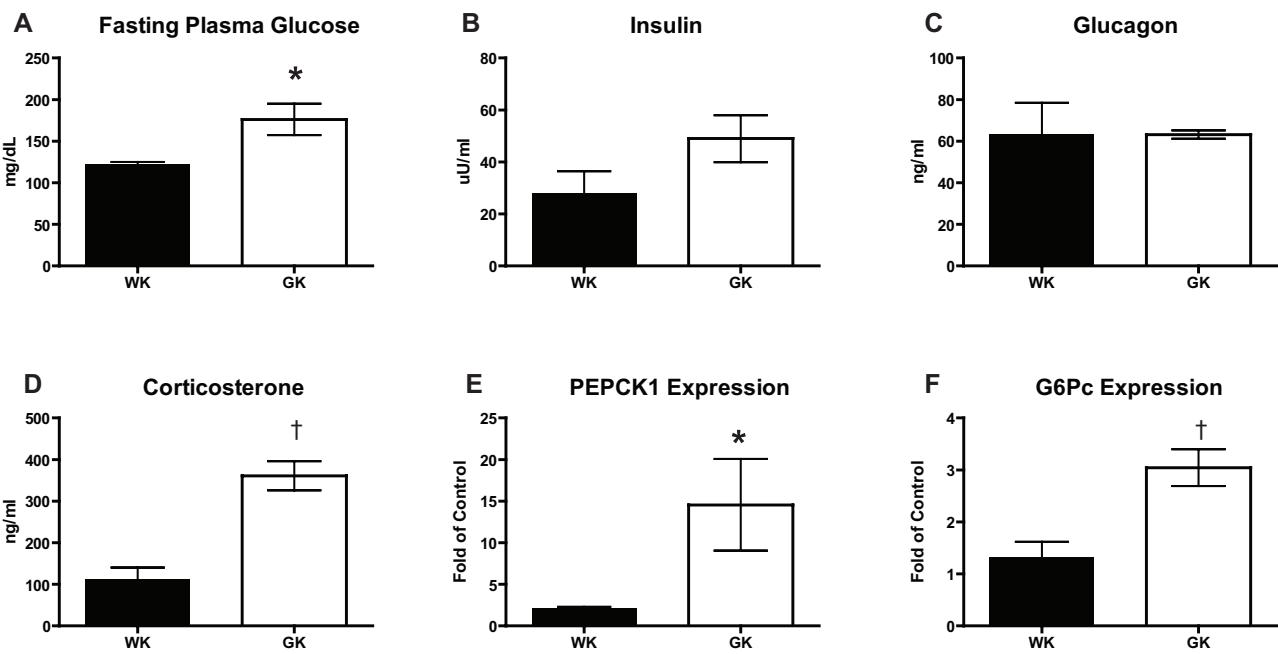


Fig. S2. Basal data for Goto-Kakizaki (GK) and Wistar-Kyoto (WK) rats, studied after an overnight fast. (A) Plasma glucose. (B) Plasma insulin. (C) Plasma glucagon. (D) Plasma corticosterone. (E) PEPCK1 expression. (F) G6Pc expression. *, $P < 0.05$ vs. WK; †, $P < 0.01$ vs. WK

Table S1. Baseline data for ZDF rats and db/db mice and their relevant controls

	ZDF lean (<i>n</i> = 8)	ZDF fa/fa (<i>n</i> = 8)	<i>P</i> value	db/+ (<i>n</i> = 8)	db/db (<i>n</i> = 8)	<i>P</i> value
Weight, g	304 ± 6.5	330 ± 11/8	0.08	25.5 ± 0.4	44.4 ± 0.7	<0.0001
Glucose, mg/dL	126 ± 4.3	189.4 ± 9	<0.0001	149 ± 4.3	341 ± 14	<0.0001
Insulin, μU/mL	10.5 ± 1.3	34.9 ± 13.2	<0.0001	10.5 ± 1.3	34.9 ± 13.2	<0.0001
Glucagon, ng/mL	104.9 ± 11.3	64.5 ± 4.3	0.005	65.3 ± 7.6	82.50 ± 11.10	0.24
Corticosterone, ng/mL	243 ± 36	545 ± 60	0.0012	188.9 ± 20.1	429.3 ± 56.4	0.0013
PEPCK1	1.0 ± 0.08	2.4 ± 0.29	0.0003	1.0 ± 0.17	5.7 ± 2.0	0.04
PEPCK2	1.0 ± 0.22	3.2 ± 1.8	0.21	1.0 ± 0.22	3.2 ± 1.8	0.21