

		Fed conditions		Fasting conditions	
		Control	H-HIFKO	Control	H-HIFKO
Normal Diet (5 weeks)	Blood glucose (mg/dl)	150.6 ± 3.4	142.4 ± 4.5	82.2 ± 3.7	84.4 ± 4.7
	Serum Insulin (ng/ml)	0.225 ± 0.045	0.250 ± 0.038	0.1333 ± 0.033	0.1333 ± 0.030
HFSD (5 weeks)	Blood glucose (mg/dl)	150.9 ± 4.9	150.9 ± 3.8	83.8 ± 4.5	83.0 ± 4.3
	Serum Insulin (ng/ml)	2.167 ± 0.189	2.267 ± 0.265	0.217 ± 0.098	0.280 ± 0.080
HFSD (20 weeks)	Blood glucose (mg/dl)	166.9 ± 9.5	163.4 ± 8.7	109.0 ± 4.4	124.3 ± 6.0 *
	Serum Insulin (ng/ml)	8.543 ± 3.418	9.420 ± 3.596	1.400 ± 0.229	1.280 ± 0.171

Supplementary Table 2

Biochemical analysis of blood glucose and serum insulin.

Control and H-HIFKO mice (n = 8) were fed either normal diets or HFSD for the indicated time. Blood glucose levels and serum insulin levels were determined in mice treated with or without fasting for 16 h. Values are mean ± SEM. **P*<0.05 compared to control mice.