

Additional Table 1: Composition of the used diets

Composition	Diets		
	LF	HFC	HFSC
Kcal/g	3.85	5.24	5.54
Carbohydrate (kcal%)	70	20	28
Sucrose (kcal%)	34.5	6.8	17.5
Fat (kcal%)	10	59.9	58
Protein (kcal%)	20	20	15
Carbohydrate (wt%)	67.3	26.3	38.1
Fat (wt%)	4.3	34.8	35.5
Protein (wt%)	19.2	26.2	20.5
Sucrose (g/kg)	331.7	88.8	241.6
Maltodextrin 10 (g/kg)	33.2	161.3	128.5
Corn Starch (g/kg)	298.6	0	0
Lard* (g/kg)	19	316.1	354.6
Soybean Oil (g/kg)	23.7	32.3	0
Casein* (g/kg)	189.6	258.1	201.7
Cholesterol added (wt%)	0	0.15	0.15

All diets also contained: vitamins and mineral mix.

*Lard and Casein add small amounts of cholesterol: Used estimates of cholesterol content in lard = 0.72 mg per g and in Casein = 0.2 mg per gram (Product Data Sheet; Research Diets).

Additional Table 2: Baseline characteristics

Parameter	LDLR ^{-/-} mice	ApoE ^{-/-} mice
Body weight (g)	23.5 ± 0.3	24.2 ± 0.5
Fasting Glucose (mg/dL)	187 ± 7	179 ± 9
Fasting Insulin (ng/mL)	0.79 ± 0.08	1.06 ± 0.12

Fasting glucose was measured in total blood samples and insulin was analyzed in plasma ($n=6-8$ animals per group). Results are expressed as mean \pm SEM. There were no statistically significant differences between the LDLR^{-/-} and ApoE^{-/-} mice for all analyzed parameters.