

Table S1. Composition of the rodent diets.

	Low Fat (LF)		High Fat (HF)		High Fructose/ High Fat (HFr/HF)	
	g%	kcal%	g%	kcal%	g%	kcal%
Protein	19	20	26	20	21	20
Carbohydrate	67	70	26	20	57	55
Fat	4	10	35	60	12	25
Total		100		100		100
<i>kcal/g</i>	3.8		5.2		4.2	
Ingredient	g	kcal	g	kcal	g	kcal
Casein	200	800	200	800	200	800
L-Cystine	3	12	3	12	3	12
Corn Starch	506	2025	0	0	0	0
Maltodextrin 10	125	500	125	500	125	500
Sucrose	68.8	275	68.8	275	68.8	275
Fructose	0	0	0	0	353.8	1415
Cellulose, BW200	50	0	50	0	50	0
Soybean Oil	25	225	25	225	25	225
Lard	20	180	245	2205	87.7	789
Mineral Mix, S10026	10	0	10	0	10	0
DiCalcium Phosphate	13	0	13	0	13	0
Calcium Carbonate	5.5	0	5.5	0	5.5	0
Potassium Citrate, 1 H ₂ O	16.5	0	16.5	0	16.5	0
Vitamin Mix, V10001	10	40	10	40	10	40
Choline Bitartrate	2	0	2	0	2	0
Total	1055.0	4057	773.8	4057	970.3	4057

Table S2. Primer sequences used for qPCR measurements.

Gene	Forward	Reverse
<i>Acc1</i>	GGACAGACTGATCGCAGAGAAAG	TGGAGAGCCCCACACACA
<i>Fasn</i>	GCTGCGGAAACTTCAGGAAAT	AGAGACGTGTCACTCCTGGACTT
<i>Scd1</i>	GCGATACACTCTGGTGCTCA	CCCAGGGAAACCAGGATATT
<i>Elovl6</i>	TGCCATGTTTCATCACCTTGT	TGCTGCATCCAGTTGAAGAC
<i>Cpt1a</i>	CAAAGATCAATCGGACCCTAGAC	CGCCACTCACGATGTTCTTC
<i>Lcad</i>	TCAATGGAAGCAAGGTGTTCA	GCCACGACGATCACGAGAT
<i>Hmgcs2</i>	GACTTCCTGTCATCCAGC	GGTGTAGGTTTCTTCCAGC
<i>Tnfa</i>	CTGAGGTCAATCTGCCCCAAGTAC	CTTCACAGAGCAATGACTCCAAAG
<i>Il6</i>	TCGTGGAAATGAGAAAAGAGTTG	AGTGCATCATCGTTGTTCATACA
<i>Nfkbia</i>	GAGCAAATGGTGAAGGAG	TCTGGAAGTTGAGGAAGG
<i>Pgc1a</i>	AGACAAATGTGCTTCCAAAAAGAA	GAAGAGATAAAGTTGTTGGTTTGGC
<i>Ppib</i>	GGAGATGGCACAGGAGGAA	GCCCGTAGTGCTTCAGCTT

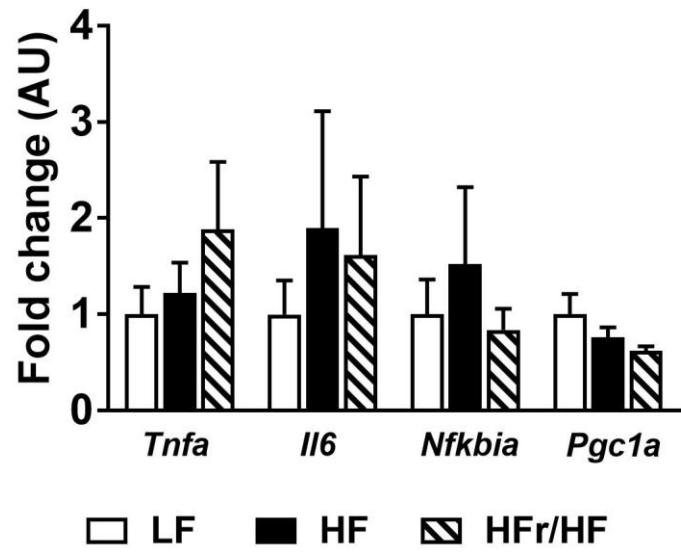


Figure S1. Gene expression profiles of canonical markers of inflammation and *Pgc1a* in livers isolated from mice under 'Fed' state. Results ($n = 5/\text{group}$) were considered significant at $p \leq 0.05$.