

Table S1: Composition of High-fat diet

Ingredients	Methionine-sufficient HFD (g/kg)	HFD diet supplemented with low-dose L-methionine (g/kg)	HFD diet supplemented with high-dose L-methionine (g/kg)
Powdered NPD	365	365	365
Lard	310	310	310
Casein	250	250	250
Cholesterol	10	10	10
Vitamin and mineral mix	60	60	60
L-methionine	04	8.5	13
Yeast powder	01	01	01
Sodium chloride	01	01	01

Table S2: List of primers used for qRT-PCR

Sr.no	Gene Name		Primer sequence 5'-----3'	Gene Accession No.
Sequences for qRT-PCR				
1.	Fasn	Forward	TCGACTTCAAAGGACCCAGC	NM_017332.1
		Reverse	GGCAATACCCGTTCCCTGAA	
2.	18S rRNA	Forward	GCAATTATTCCTCATGAACG	NR_046237.1
		Reverse	AGGGCCTCACTAAACCATCC	
3.	IL1- β	Forward	TGCAGGCTTCGAGATGAACA	NM_031512.2
		Reverse	GTGTGCCGTCCTTCATCACAC	
4.	TLR4	Forward	TCAAGCCCAAGCCTTTCAGG	NM_019178.1
		Reverse	AGTCCTTCCATGACAGAACGG	
5.	TNF- α	Forward	CGTCAGCCGATTTGCCATTT	NM_012675.3
		Reverse	CTCCAAAGTAGACCTGCCCCG	
6.	HMGCR	Forward	CAGGGAACATGCACCAAGAAGG	NM_013134.2
		Reverse	ATACGGCACGGAAAGAACCATAGT	