


Table S1. The composition of experimental diets.

Component (g / kg diet)				
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	-	170.73	170.73	170.73
	-	121.95	121.95	121.95
	-	155.00	155.00	155.00
	-	201.71	199.71	197.71
Casein	-	170.73	170.73	170.73
Sucrose	-	121.95	121.95	121.95
Dextrose	-	155.00	155.00	155.00
Corn starch	-	201.71	199.71	197.71
Cellulose	-	60.98	60.98	60.98
Lard	-	229.50	229.50	229.50
Mineral mix ²	-	42.68	42.68	42.68
Vitamin mix ³	-	12.20	12.20	12.20
L-cystein	-	2.20	2.20	2.20
Choline bitartrate	-	3.05	3.05	3.05
<i>Chrysanthemum morifolium</i> extract (CE)	-	-	2.0	4.0
Total	-	1000	1000	1000
Energy density (kcal/g)	3.1	4.6	4.6	4.6
Carbohydrates (% as kcal)	58	41.5	41.5	41.5
Protein (% as kcal)	24	13.5	13.5	13.5
Fat (% as kcal)	18	45.0	45.0	45.0

¹ Normal chow diet (Harlan 2018S rodent diet, Harlan US); ² AIN-93G mineral mix; ³ AIN-93 vitamin mix. NOR, normal diet; HF, 45% high fat diet; CEL, HF with 0.2% *Chrysanthemum morifolium* extract (CE); CEH, HF with 0.4% *Chrysanthemum morifolium* extract (CE).

Table S2. Primers used for quantitative real time polymerase chain reaction.

Name	GeneBank No.	Primer sequence (5'-3')
aP2	NM_053365	F: TCACCCCAGATGACAGGAAA R: CATGACACATTCCACCACCA
ACC	NM_022193	F: GAAAAGCGATTCCCATCCGC R: CATTCCATGCAGTGGTCCCT
ACLY	BC100618.1	F: GCCAGGGAGCTGGGTTTAAT R: CACCACCAATGCCCATCTCT
Arg1	NM_017134.3	F: ACATCGGCTTGCGAGATGTG R: GCCAATTCCCAGCTTGTTCCA
β -actin	NM_031144	F: GGCACCACACTTTCTACAAT R: AGGTCTCAAACATGATCTGG
CD11c	XM_006230382.3	F: CAGAACCCGTCACCCCAATG R: GATGTCACAGCGGAAGTGCA
C/EBP- α	NM_012524	F: GCCAAGAAGTCGGTGGATAA R: CGGTCAATGTCAGTGGTCAA
CD36	NM_031561	F: CCTGTGAGTTGGCAAGAAGC R: AATGAGCCCACAGTTCGGAT
CPT1 α	NM_031559	F: TCGGCAGACCTATTTTGCAC R: ATTTGGCGTAGCTGTGCGATG
CPT1 β	NM_013200	F: TGTAAGTAGCGAGTCCACGGC R: GGTGTTTTTCGGAGGCTTTC
DGAT2	NM_001012345	F: CGTGTGGCGCTATTTTCGAG R: GGCCTTATGCCAGGGAACCT
FAS	NM_017332	F: GCAGCAGCATGATGTAGCAC R: AGTTGCACACCACAAGGTCA
IL-6	NM_012589	F: ATAGTCCTTCCTACCCCAAC R: TGCCGAGTAGACCTCATAGT
iNOS	NM_012611.3	F: TCCTGCCACCTTGGAGTTCA R: TGGTCACCTCCAGCACAAGA
MCP1	NM_031530	F: ACTCACCTGCTGCTACTCAT R: CTACAGCTTCTTTGGGACAC
NRF1	NM_01100708	F: CTGTGGCTGATGGAGAGGTG R: CACTGTTAAGGGCCATGGTG
PGC1- α	NM_031347	F: GCACCAGAAAACAGCTCCAA R: TTAAGTGAAGTTGCCATCCCG
PPAR α	NM_013196	F: TACCTGTGAACACGATCTGA R: GCTAGTCTTTCCTGCGAGTA
PPAR γ	NM_001145366	F: TGTGGGGATAAAGCATCAGG R: CAAGGCACTTCTGAAACCGA
SCD1	NM_139192	F: GTGGCAGGGCAGGAAATAGT R: CAACACCACAAGAAGCCACG
SIRT1	XM_008772947	F: AGGGAACCTCTGCCTCATCT R: GAGGTGTTGGTGGCAACTCT
SREBP-1c	AF286470	F: AGGAGGCCATCTTGTGCTT R: GTTTTGACCCCTTAGGGCAGC
Tfam	NM_0311326	F: TGGGCTTAGAGAAGGAAGCC R: TGCTGACCGAGGTCTTTTG
TNF- α	NM_012675	F: CCCCTTATCGTCTACTCCT R: ACTACTTCAGCGTCTCGTGT

aP2, adipocyte protein 2; ACC, acetyl-CoA carboxylase; ACLY, ATP citrate lyase; Arg1, arginase 1; CD11c, cluster of differentiation 11c; C/EBP- α , CCAAT/enhancer-binding protein- α ; CD36, cluster of differentiation 36; CPT1, carnitine / palmitoyl-transferase 1; DGAT2, diacylglycerol O-acyltransferase; FAS, fatty acid synthase; IL-6, interleukin-6; iNOS, inducible nitric oxide synthase; MCP1, monocyte chemoattractant protein 1; NRF1, nuclear respiratory factor 1; PGC-1 α , peroxisome proliferator-activated receptor gamma coactivator 1 α ; PPAR α , Peroxisome proliferator-activated receptor α ; PPAR γ , peroxisome proliferator-activated receptor γ ; SCD1, stearoyl-CoA desaturase 1; SIRT1, sirtuin 1; SREBP-1c, sterol regulatory element binding protein-1c; Tfam, transcription factor A; TNF- α , tumor necrosis factor- α .