

Supplementary info

Table S1. Primer sequences

No.	Gene	Forward primer sequence	Reverse primer sequence
1	Actin	CTAAGGCCAACCGTGAAAAG	ACCAGAGGCATACAGGGACA
2	Cat	CTCCATCAGGTTTGTTCCTTG	CAACAGGCAAGTTTTTGATG
3	Srebp-1c	GGAGCCATGGATTGCACATT	GCTTCCAGAGAGGAGGCCAG
4	Chrebp	ATATCTCCGACACACTCTTC	CAACATAAGCATCTTCTGGG
5	Fabp1	CACGGACTTTATGCCTTTGAA	GACCTCATCCAGAAAGGGAAG
6	Glut2	TCGCCCTCTGCTTCCAGTAC	GAACACGTAAGGCCAAGGA
7	Gpx1	GGACAATGGCAAGAATGAAG	TTCGCACTTCTCAAACAATG
8	Lxrb	TCACCCACTATTAAGGAAGAG	TCTAAGATGACCACGATGTAG
9	Npy	GGCTGTGTGGACTGACCCT	GATGTAGTGTCGCAGAGCGG
10	Nox2	CTACCTAAGATAGCAGTTGATG	TACCAGACAGACTTGAGAATG
11	Ob-rb	CCAGGTGAGGAGCAAGAG	CTGCACAGTGCTTCCCAC
12	Pgc1a	AAACTTGCTAGCGGTCCTCA	TGGCTGGTGCCAGTAAGAG
13	Pomc	GAGATTCTGCTACAGTCGCTC	TTGATGATGGCGTTCTTGAA
14	Pparg	ATCTACACGATGCTGGC	GGATGTCCTCGATGGG
15	Sirt1	GCAGGTTGCGGGAATCCAA	GGCAAGATGCTGTTGCAAA
16	Sod1	CACTCTAAGAAACATGGTGG	GATCACACGATCTTCAATGG
17	Sod2	GGCCTACGTGAACAACCTGAA	CTGTAACATCTCCCTTGGCCA
18	Tnfa	CTGTAGCCACGTCGTAGC	TTGAGATCCATGCCGTTG
19	Dnmt1	GTGAACAGGAAGATGACAAC	CTGGATCCTCCTTTCATTC
20	Dnmt3a	ACCAGAAGAAGAGAAGAATCC	CAATGATCTCCTTGACCTTAG
21	Dnmt3b	GACTTCATGGAAGAAGTGAC	TATCATCCTGATACTCTGTGC

Table S2. Antibody information

Target	Host	Size (kDa)	Dilution (WB)	Cat#	Company	Address
GAPDH	Mouse	38	1:2000	ab8245	Abcam	Cambridge, UK
SIRT1	Rabbit	110	1:2000	07-131	EMD Millipore	NSW, Australia
PGC-1 α	Rabbit	91	1:2000	NBP1-04676	Novus Biologicals	CO, USA
SREBP1	Mouse	62	1:500	ab3259	Abcam	Cambridge, UK
GLUT2	Rabbit	50	1:1000	07-1402-l	EMD Millipore	NSW, Australia
p-Akt (Ser473)	Rabbit	60	1:1000	9271	Cell Signalling	MA, USA
Akt	Rabbit	60	1:1000	9272	Cell Signalling	MA, USA
p-AMPK α (Thr172)	Rabbit	62	1:1000	2535	Cell Signalling	MA, USA
AMPK α	Rabbit	62	1:1000	2532	Cell Signalling	MA, USA
MCP1	Rabbit	25	1:2000	ab8101	Abcam	Cambridge, UK
TGF- β	Rabbit	27	1:1000	3711	Cell Signalling	MA, USA
p-Smad3 (Ser423/425)	Rabbit	55	1:500	9513	Cell Signalling	MA, USA
Smad3	Rabbit	55	1:1000	9520	Cell Signalling	MA, USA
p-p38 MAPK (Thr180/Tyr182)	Rabbit	38	1:1000	4511	Cell Signalling	MA, USA
p38 MAPK	Rabbit	38	1:1000	8690	Cell Signalling	MA, USA

Figure S1.

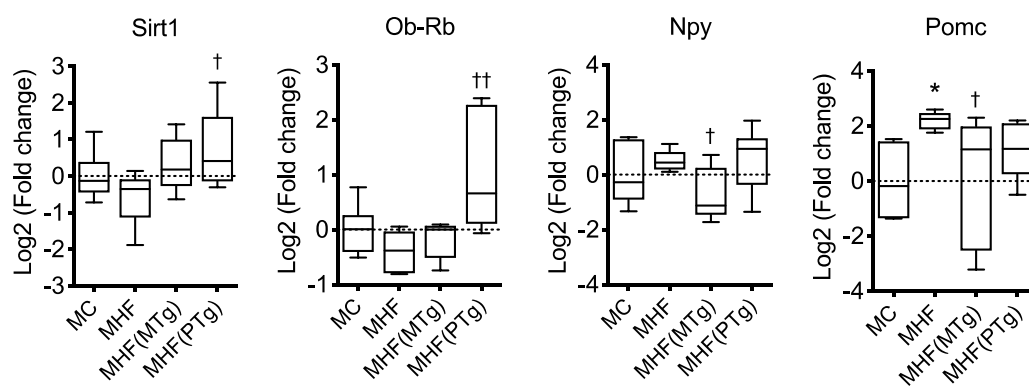


Figure S2.

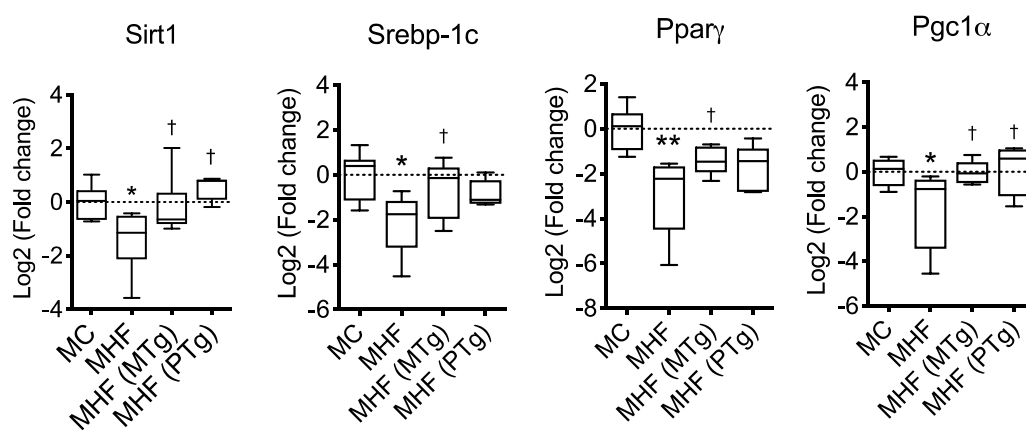


Figure S3.

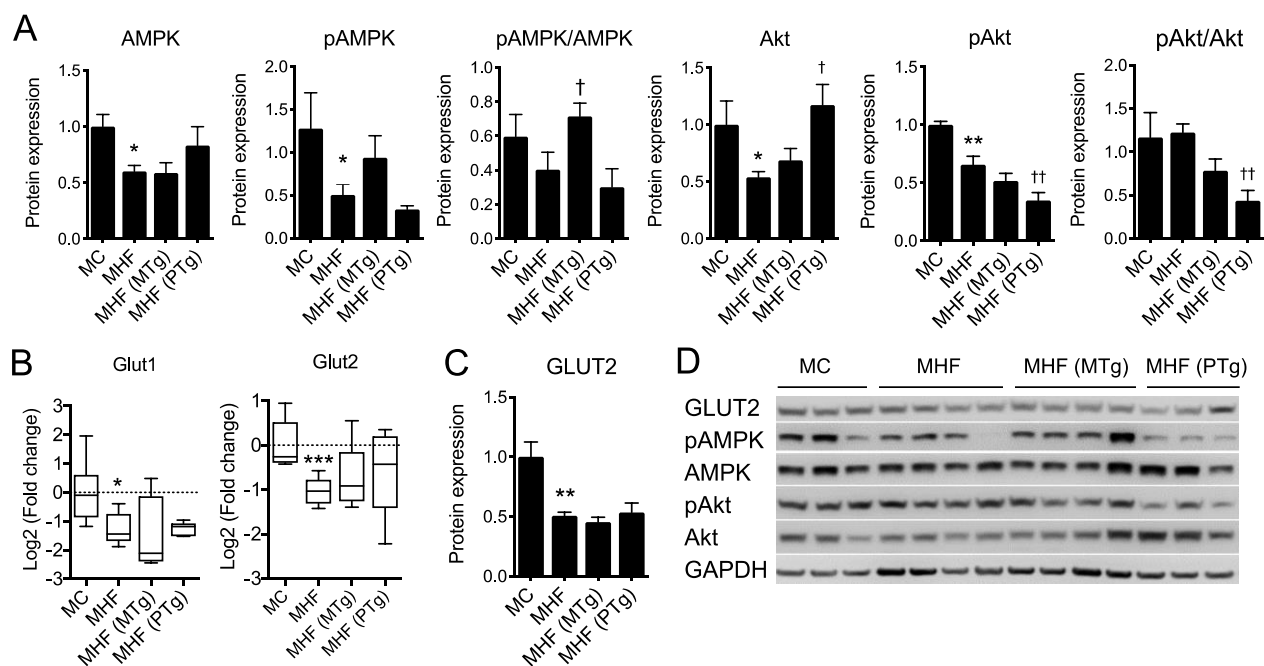


Figure S4.

