

Table S1. Antibodies used in Western blot studies.

Antibody	Host	Source/Catalog	WB dilution
AMPK	Rabbit	Cell Signaling/#2532	1:1000
p-AMPK	Rabbit	Cell Signaling/#2537	1:1000
mTOR	Rabbit	Millipore/MABS14	1:1000
p-mTOR	Rabbit	Millipore/09-213	1:1000
PERK	Rabbit	Cell Signaling/#3192	1:1000
p-PERK	Rabbit	Cell Signaling/#3179	1:1000
ATF-6	Rabbit	Cell Signaling/#65880	1:1000
BiP	Rabbit	Cell Signaling/D14E12	1:1000
EIF2α	Rabbit	Cell Signaling/#9722	1:1000
p-EIF2α	Rabbit	Cell Signaling/#9721	1:1000
β -Actin	Mouse	Sigma/A-5441	1:10000
GAPDH	Mouse	Millipore/MAB374	1:5000
Goat-anti-mouse HRP conjugated		Biorad/#170-5047	1:2000
Goat-anti-rabbit HRP conjugated		Cell Signaling/#7074	1:2000

Table S2. Primers and probes used in qPCR studies.

SYBR Green primers

Target	Product size (bp)	Forward primer (5'-3')	Reverse primer (5'-3')
<i>Tet2</i>	113	CCATCATGTTGTGGGACGGA	ATTCTGAGAACAGCGACGGT
<i>Il-6</i>	189	ATCCAGTTGCCTTCTTGGA CTGA	TAAGCCTCCGACTTGTGAAG TGGT
<i>Cxcl10</i>	72	GGCTAGTCCTAATTGCCCTT GG	TTGTCTCAGGACCATGGCTT G
<i>Hmox1</i>	177	TGACACCTGAGGTCAAGCAC	GTCTCTGCAGGGGCAGTATC
<i>Aox1</i>	286	CATAGGCGGCCAGGAACATT	TCCTCGTTCAGAAATGCAGC
<i>Pgc-1a</i>	274	GGCCTAACTCCTCCACAAC	GGTCACCAAACAGCCGAAG A
<i>β-Actin</i>	190	CAACGAGCGGTTCCGAT	GCCACAGGTTCCATACCCA

Taqman probes

Target	Product size (bp)	Reference
<i>Dnmt1</i>	58	Mm01151063_m1
<i>Dnmt3a</i>	58	Mm00432881_m1
<i>Dnmt3b</i>	83	Mm01240113_m1
<i>Tet1</i>	69	Mm01169087_m1
<i>Gapdh</i>	107	Mm99999915_g1

Table 3S. Primer sequences for the MSP primers.

mRNA	Primer (5'-3')	Denaturing °C (s)	Annealing °C (s)	Elongation °C (s)	Cycles
<i>Nrf2</i>		95 (10)	55 (10)	72 (60)	40
	F: TTCGTTGTTCGGATTAGTTA R: CCGACGACGAACTACTTA				
<i>Nf-kβ</i>		95 (10)	55 (10)	72 (60)	40
	F: AAGAGTTTCGAGACGTTATTC R: CTTCTCCTCCCGCTAACTA				