

SUPPLEMENTARY TABLES

Supplementary Table 1. Primer sequences of RT-qPCR test for mouse.

Items	Primer (5'→3')
IL-4 (forward)	TCTCTCTGAAGGACTCTGGCT
IL-4 (reverse)	CTTTGCCACGGACACAAC
IL-1 β (forward)	GCCACCTTTTGACAGTGATGAG
IL-1 β (reverse)	AGTGATACTGCCTGCCTGAAG
TNF- α (forward)	ACCTGGCCTCTCTACCTTGT
TNF- α (reverse)	CCCGTAGGGCGATTACAGTC
IL-6 (forward)	CAACGATGATGCACTTGCAGA
IL-6 (reverse)	TCTCTCTGAAGGACTCTGGCT
IL-18 (forward)	TTGATCCCACCTTCGTGCTTTCA
IL-18 (reverse)	CCTTTCCTCTCCCGAAGCTGT
TGF- β 1 (forward)	TGACGTCACTGGAGTTGTACGG
TGF- β 1 (reverse)	GGTTCATGTCATGGATGGATGGTGC
TIMP1 (forward)	CCCTTTGCATCTCTGGCATC
TIMP1 (reverse)	GCATTTCCCACAGCCTTGAA
MIP-1 α (forward)	CCCGACTGCCTGCTGCTTCTCC
MIP-1 α (reverse)	CAAAGGCTGCTGGTCTCAA
MCP-1 (forward)	CACCTGCTGCTACTCATTAC
MCP-1 (reverse)	CTGTCACACTGGTCACTCCTAC
CXCL1 (forward)	ACCTATGGCCCTGACATCATCAC
CXCL1 (reverse)	CTTGCCAGCCCTCAGAATCAC
SOD1 (forward)	AAGGCCTGCATGGATTCCA
SOD1 (reverse)	AAGGCCTGCATGGATTCCA
SOD2 (forward)	AAGGCCTGCATGGATTCCA
SOD2 (reverse)	AAGGCCTGCATGGATTCCA
HO-1 (forward)	CGTGCTCGAATGAACACTCT
HO-1 (reverse)	GGAAGCTGAGAGTGAGGACC
Nrf-2 (forward)	ACCTCCCTGTTGATGACTT
Nrf-2 (reverse)	GGCGACTTTATTCTTACCTCT
GCLM (forward)	ATGGAGTTCCCAAATCAGCC
GCLM (reverse)	ATTGGGTTTTACCTGTGCC
GCLC (forward)	CCATCACTTCATTCCCAGA
GCLC (reverse)	GATGCCGGATGTTTCTTGTT
Keap-1 (forward)	CAACTTCGCGGAGCAGATCG
Keap-1 (reverse)	AGCTGGCAGTGTGACAGGTT
iNOS (forward)	GGAAGAAACAAAACCCTCT
iNOS (reverse)	CCTGGCAGTCACAGTCATA
NQO-1 (forward)	CAGCCAATCAGCGTTCGGTA
NQO-1 (reverse)	TTGCTGTTGAGGTCGCAGGAG
Gp91 ^{phox} (forward)	TTGGGTCAGCACTGGCTCTG
Gp91 ^{phox} (reverse)	TGGCGGTGTGCACTGCTATC
p22 ^{phox} (forward)	AACGAGCAGGCGCTGGCGTCCG
p22 ^{phox} (reverse)	CACAGTGGTATTTTCGGCGCC
p47 ^{phox} (forward)	CCAGCACTATGTGTACATGT
p47 ^{phox} (reverse)	AAGGAGATGTTCCCCATTGA
XO (forward)	AAAGGACCAGACGATTGCTCC

XO (reverse)	TCACACGTTCCCCTTCAAAC
α -SMA (forward)	TTCCTTCGTGACTACTGCCG
α -SMA (reverse)	TATAGGTGGTTTCGTGGATGCC
Collagen I (forward)	AGGCTTCAGTGGTTTGGATG
Collagen I (reverse)	CACCAACAGCACCATCGTTA
Collagen III (forward)	CCCAACCCAGAGATCCCATT
Collagen III (reverse)	GAAGCACAGGAGCAGGTGTAGA
MMP-9 (forward)	CGTCATTTCGCGTGGATAAAGG
MMP-9 (reverse)	TTTGGAAACTCACACGCCAG
PEPCK (forward)	TGCCCCAGGCAGTGAGGAAGTT
PEPCK (reverse)	GTCAGTGAGAGCCAGCCAACAGT
G6PC (forward)	TCTGTCCCGGATCTACCTTG
G6PC (reverse)	GCTGGCAAAGGGTGTAGTGT
FBP1 (forward)	GCATCGCACAGCTCTATGGT
FBP1 (reverse)	ACAGGTAGCGTAGGACGACT
SCD1 (forward)	CCTACGACAAGAACATTCAATCCC
SCD1 (reverse)	ACTCACTGGCAGAGTAGTCGAA
PPAR γ (forward)	ATTCTGGCCCACCAACTTCGG
PPAR γ (reverse)	TGGAAGCCTGATGCTTTATCCCCA
FAS (forward)	CTGCGGAAACTTCAGGAAATG
FAS (reverse)	GGTTCCGAATGCTATCCAGG
CPT1 α (forward)	CTCAGTGGGAGCGACTCTTCA
CPT1 α (reverse)	GGCCTCTGTGGTACACGACAA
PPAR α (forward)	CAAGGCCTCAGGGTACCACT
PPAR α (reverse)	TTGCAGCTCCGATCACACTT
GAPDH (forward)	GGTGAAGGTCGGTGTGAACG
GAPDH (reverse)	CCCGTAGGGCGATTACAGTC

Supplementary Table 2. Primer sequences of RT-qPCR test for human.

Items	Primer (5'→3')
IL-4 (forward)	TTTGAACCAGGTCACAGA
IL-4 (reverse)	GACCGCTGACACCTCTAC
IL-1 β (forward)	CCTGCGTGTGAAAGATGATAA
IL-1 β (reverse)	CTGCTTGAGAGGTGCTGATGTA
TNF- α (forward)	CCTCTCTAATCAGCCCTCTG
TNF- α (reverse)	GAGGACCTGGGAGTAGATGAG
IL-6 (forward)	CCAGGAGCCCAGCTATGAAC
IL-6 (reverse)	CCCAGGGAGAAGGCAACTG
IL-18 (forward)	AGAGCGCAATGGTG
IL-18 (reverse)	GACGCATGCCCTCAA
TIMP1 (forward)	GGGCTTCACCAAGACCTACA
TIMP1 (reverse)	TGCAGGGGATGGATAAACA
MIP-1 α (forward)	CAGCGAGTACCAGTCCCTTTT
MIP-1 α (reverse)	CCTCGCTGCCTCCAAGA
MCP-1 (forward)	GTCTCTGCCGCCCTTCTG
MCP-1 (reverse)	ACTTGCTGCTGGTGTATTCTTCT
CXCL1 (forward)	GTGGAAGGTGCTTGCACACCAGG
CXCL1 (reverse)	GGAGCAGCAGTGCCACTCGCAGG
SOD1 (forward)	TGGATCTGCCAACTACTCCC

SOD1 (reverse)	CGTAGCCGAAGAAACCTCAT
SOD2 (forward)	CCATTTTCTGGACAAACCTGA
SOD2 (reverse)	GACCCAAAGTCACGCTTGATA
HO-1 (forward)	GAGAATGCTGAGTTCATG
HO-1 (reverse)	ATGTTGAGCAGGAAGGC
Nrf-2 (forward)	TTCAGCAGCATCCTCTCCACAG
Nrf-2 (reverse)	GCATGCTGTTGCTGATACTGG
GCLM (forward)	GCTTCTTGGAACCTTGCTTCA
GCLM (reverse)	CTGTGTGATGCCACCAGATT
GCLC (forward)	TGTTTCTGGACTGATCCCAA
GCLC (reverse)	TGCGATAAACTCCCTCATCCAT
Keap-1 (forward)	CACAGCAGCGTGGAGAGA
Keap-1 (reverse)	CAACATTGGCGCGACTAGA
iNOS (forward)	CGGTGCTGTATTTCTTACGAGGCGAAGAA
iNOS (reverse)	GGTGCTGCTTGTTAGGAGGTCAAGTAAAGG
NQO-1 (forward)	ACGCCCCGAATTCAAATCCT
NQO-1 (reverse)	CCTGCCTGGAAGTTTAGGTC
Gp91 ^{phox} (forward)	AAGATAGCGGTTGATGGGC
Gp91 ^{phox} (reverse)	TTGAGAATGGATGCGAAGG
p22 ^{phox} (forward)	CGCTTCACCCAGTGGTACTT
p22 ^{phox} (reverse)	CAGCCGCCAGTAGGTAGATG
p47 ^{phox} (forward)	GGGTGATGTGGTGGATGTCCG
p47 ^{phox} (reverse)	TGTCCTTTGAGTCAGGGCTC
XO (forward)	GCATATCATTGGTGCTGTGG
XO (reverse)	GGTCCCCTTTCTCGATCTTC
Pepck (forward)	AAGTATGACAACCTGCTGGTTGGC
Pepck (reverse)	ATAACCGTCTTGCTTTTCGATCCT
	Proteinkinase
	ATAACCGTCTTGCTTTTCGATCCT
G6Pc (forward)	CCCCTGATAAAGCAGTTCCCT
G6Pc (reverse)	ATACACCTGCTGTGCCCATG
	Nuclear
	ATACACCTGCTGTGCCCATG
	Nuclear
	ATACACCTGCTGTGCCCATG
	Nuclear
	ATACACCTGCTGTGCCCATG
FBP1 (forward)	GATTGCCTTGIGTCCGTTG
FBP1 (reverse)	TGCCATACAGTGCGTAGCC
α -SMA (forward)	TCCGGAGCGCAAATACTCTG
α -SMA (reverse)	CCCGGCTTCATCGTATTCCT
Collagen I (forward)	GTGCTCCTGGTATTGCTGGT
Collagen I (reverse)	TCCTTGAACACCAACAGGGC
Collagen III (forward)	TTCGACTTCTCTCCAGCCGA
Collagen III (reverse)	TCCACTGGCCTGATCCATGT
MMP-9 (forward)	CACTGTCCACCCCTCAGAGC
MMP-9 (reverse)	GCCACTTGTGCGGCGATAAGC
GAPDH (forward)	GGAGTCAACGGATTTGGTC
GAPDH (reverse)	GGCAACAATATCCACTTTACC

Supplementary Table 3. Primary and secondary antibodies for western blot analysis.

Name	Catalog	Dilutions	Vendor
Phospho-NF- κ B	ab86299	1:1000	Abcam
NF- κ B	ab76311	1:1000	Abcam
Phospho-I κ B- α	#2859	1:1000	Cell Signaling Technology
I κ B- α	#4814	1:1000	Cell Signaling Technology
Nrf-2	ab31163	1:1000	Abcam
Phospho-IKK α	ab38515	1:1000	Abcam
IKK α	ab32041	1:1000	Abcam
Keap-1	ab150654	1:1000	Abcam
Phospho-JNK	9255	1:1000	Cell Signaling Technology
JNK	9252	1:1000	Cell Signaling Technology
Podocin	ab50339	1:1000	Abcam
Lamin B	ab133741	1:1000	Abcam
AMPK α	ab80039	1:1000	Abcam
Phospho-AMPK α	ab23875	1:1000	Abcam
Rabbit IgG	ab6721	1:4000	Abcam
Mouse IgG	ab6728	1:4000	Abcam
GAPDH	ab8245	1:1000	Abcam