

**Table S4 The real-time PCR primers**

Gene	GenBank ID	Primer sequences (5' to 3')
$\beta$ -actin	AY550069	F: ATGCTTCTAGGCGGACTGT R: CCATCCAACCGACTGCT
IL-6	NM_214399	F: ACAAAGCCACCACCCCTAAC R: CGTGGACGGCATCAATCTCA
INF- $\gamma$	NM_214304.1	F: ATGAGGCAGAGTACCGGGAT R: AGCGTAAGCATTGCGGATCT
TNF- $\alpha$	NC_010449.5	F: TTGAGCATCAACCCCTCTGGC R: GGCATACCCACTCTGCCATT
IL-10	NM_214041.1	F: CCTGGAAGACGTAATGCCGA R: CACGGCCTTGCTCTTGTTTT
ANP	XM_005664986.3	F: CCGAAGATAACGCCAGGGAG R: AATCGGGTGCTCTTCACACC
BNP	NM_213846.1	F: GAACTGCCAGGGATACAGGAG R: CGTATTCCCCGGGAGGACTTG
MYH7	NM_213855.2	F: ACCAACCTGTCCAAGTTCCG R: AGGACTGGGAGCTTTGTTGC
FATP1	NM_001004046	F: GGACATCAAGGGGACATCGGAAATC R: GGTCTCCATCTCACACTCCTCTCC
CD36	NM_001044622	F: CGTACAGAGTTCGTTATCTAGCCAAGG R: AGCCAGATTGAGAACAGTGAAGGTG
FABP3	NM_001099931.1	F: TTGTGACACTGGATGGAGGC R: TAAGTGCGAGTGCAAACCTGC
CPT1B	XM_021091195.1	F: ACCTCGCCGATCTCTTCCAA R: GCTGCTACCAGAGGTGTCCT
ATGL	EU373817.1	F: ATGGTGCCCTACACGCTG R: GCCTGTCTGCTCCTTTATCC
Nrf2	XM_013984303.2	F: CCAATTCAGCCAGCACAACACATC R: GACTGAGCCTGGTTAGGAGCAATG
Keap1	NM_001114671.1	F: AGGCTATGATGGTCACACATTCTTGG R: CAATCTGCTTCCGACAGGGTTCC
NQO1	NM_001159613.1	F: AGGCTTTGAAGAGGAGAGGATGGG R: CCTTTCTGGAGATGACGGGATTGAAG

HO-1	NM_001004027.1	F: CCAGGTCCTCAAGAAGATTGCTCAG R: GGGTCATCTCCAGAGTGTTCAATTCG
PGC1- $\alpha$	NM_213963.2	F: ATGGAGCAATAAAGCGAAGAGCATTG R: GAGGAGGGTCATCATTTGTGGTCAG
VDAC1	NM_213960.1	F: TCAGAAGGTGAACAAGAAGTTGGAGAC R: CGATCTGGTACTTGGCTGCTATTCC
Cyt C	NM_001129970.1	F: CGAGTGGTGGCTTGTCTGTTGAG R: GGC ACTGGGCACACTTCTGAAC
Mfn1	NM_001315732.1	F: TGGACTTTATCCGAAACCAGATGAACC R: AACCTTATTTGCCACCTCCTCTGTAAC
Mfn2	XM_021095369.1	F: CCACACCACCAACTGCTTCCTG R: TCTTGACGCTCCTCTTCTCCTCTG
OPA1	XM_021070063.1	F: ACAGAGGATGGTGCTTGTTGACTTAC R: ACACAGTATGATGGCGTTGGGATTC
Fis1	XM_021086263.1	F: CAGACAGAGCCACAGAACAACCAG R: CAAGTCCAATGAGTCCAGCCAGTC
Mff	NM_001244126.1	F: CAGGTTCCAGAGAGAATTGTCGTAGC R: TTAGTGCCAGAGGTTTAAAGGGAGTTG
BNIP3	XM_003359404.4	F: GAGGAGGATTACATGGAGAGGAGGAG R: TCGGGTGCTTGAAGAGGAGGAAC
PINK1	XM_021095478.1	F: GGCGGTGATTGACTACAGCAAGG R: TGGTAACTGCGGCTTTCAAGGTG
parkin	NM_001044603.2	F: TCCCAGTGGAGGTCGATTCT R: CCTGCGAAAATCACACGCAA
p62	NM_001244307.1	F: CTGCCTGAAGACTATTACACGAGACC R: GAAGATGCTTGTGCCGAGGATAGAG
LC3 II	NM_001190290.1	F: TTCTTCCTGTTAGTGAACGGACATAGC R: ATCCATCTTCATCCTTCTCGCTTTTCG
PTGS2	NM_214321.1	F: CCAGACGAGCAGGCTGATAC R: GGGATGCCAGTGGTAGAGTG
GPX4	NM_214407.1	F: AGAACGGCTGTGTGGTGAAG R: CCACCAGGGGCTGGTTTTTA
FSP1	XM_021073864.1	F: GAGGCGCCGAGTCACG R: GAGACCTGGGACCCCATCTT
GCH1	XM_021102253.1	F: GTCCACTCTGGCTTGTGAAGT

		R: GCTTGCCAGTCCGAAAACATC
FtH	NM_213975.1	F: ATTTGCGCTGCACGTGGT
		R: CCTGTGCAAGTTGGTAATGTGG
SLC7A11	XM_021101587.1	F: TGCGGGTGACTACAATGGTC
		R: GATCCCTGCTCCGATGATGG
TfR	NM_214001.1	F: TTGGCGGAGAACCATTGTCA
		R: GCGACACCGATGTGGTTACT
PROM2	XM_021087062.1	F: CTGGAACGCCTTCTGGTTCT
		R: AAGATCACGGGGGCCTACA
SLC40A1	XM_003483701.4	F: GGAGACTGCAATACGTTGCT
		R: AGTGGGGAATGCAATTCAGG
TLR4	NM_001113039.2	F: CAGTCAAGATACTGGACCTGAGC
		R: GGCTCCCAGGGCTAAAACCTCT
MyD88	NM_001099923.1	F: CCATTCGAGATGACCCCCTG
		R: TAGCAATGGACCAGACGCAG
HMGB1	NM_001004034.1	F: GAGGAACTTGAGACCCACCA
		R: GTGTCCTTCCTCCCTCATGT
NLRP3	NM_001256770.2	F: CTGGGACTCTGACTAGGGCT
		R: TTTTCTGTCTGGCCCCGAG
Caspase1	NM_214162.1	F: TACAAGAATCCCAGGCGGTG
		R: CCTTTGGGCTATGTCTGGGG
IL-1 $\beta$	NM_2140551.1	F: GCCAACGTGCAGTCTATGGAGTG
		R: GGTGGAGAGCCTTCAGCATGTG

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