

SUPPLEMENTARY TABLES

Supplementary Table 1. Identification of primers used in the different gene expression assays.

Real-time polymerase chain reaction (TAQMAN® ASSAY)

Gene (protein)	Probe identification (Taqman® Assay)
<i>18S</i> (18S)	Hs99999901_s1
<i>Pask</i> (PASK)	Mm00435916_ml

Real-time polymerase chain reaction (SYBR GREEN® ASSAY)

Gene (protein)	Mouse forward primer	Mouse reverse primer
<i>16S rRNA</i> (16S)	5'-CCGCAAGGGAAAGATGAAAGAC-3'	5'-TCGTTTGGTTTCGGGGTTTC-3'
<i>Actb</i> (β-ACTIN)	5'-CTCTCTTCCAGCCTTCCTTC-3'	5'-GGTCTTTACGGATGTCAACG-3'
<i>Bnip3</i> (BNIP3)	5'-CAGCATGAATCTGGACGAAG-3'	5'-ATCTTCCTCAGACAGAGTGC-3'
<i>Cat</i> (CAT)	5'-GAATGGCTATGGTCCACACA-3'	5'-CAAGTTTTTGGATGCCCTGGT-3'
<i>CoxIV</i> (COXIV)	5'-TGAATGGAAGACAGTTGTGGG-3'	5'-GATCGAAAGTATGAGGGATGGG-3'
<i>Cs</i> (CS)	5'-GGGACTTGTGTATGAGACTTCG-3'	5'-AGCCAAAATAAGCCCTCAGG-3'
<i>Cu/ZnSod</i> (Cu/ZnSOD)	5'-GGTGGTCCACGAGAAACAAG-3'	5'-CAATCACACCACAAGCCAAG-3'
<i>Fis1</i> (FIS1)	5'-GCCCTGCTACTGGACCAT-3'	5'-CCCTGAAAGCCTCACACTAAGG-3'
<i>FoxO3a</i> (FoxO3a)	5'-TACGAGTGGATGGTGCCTG-3'	5'-AGGTTGTGCCGGATGGAGTTC-3'
<i>Gclc</i> (GCLc)	5'-AGGCTCTCTGCACCATCACT-3'	5'-CTCTGGGTTGGGTCTGTGTT-3'
<i>Gclm</i> (GCLm)	5'-TGTGTGATGCCACCAGATTT-3'	5'-GATGATCCCCTGCTCTTCA-3'
<i>Gpx</i> (GPx)	5'-TGCAATCAGTTCGGACATC-3'	5'-CACCTCGCACTTCTCAAACA-3'
<i>Hol1</i> (HO1)	5'-AGCCCCACCAAGTTCAAACA-3'	5'-CATCACCTGCAGCTCCTCCA-3'
<i>Mead</i> (MCAD)	5'-TTCGAAGACGTCAGAGTGC-3'	5'-GCGACTGTAGGTCTGGTTC-3'
<i>Mfn1</i> (MFN1)	5'-TCTCCAAGCCCAACATCTTCA-3'	5'-ACTCCGGCTCCGAAGCA-3'
<i>Mfn2</i> (MFN2)	5'-AGGAGTGGTGTGGAAGGCAG-3'	5'-ACAACTGGCGCTTGAAGG-3'
<i>MnSod</i> (MnSOD)	5'-AAGGAGCAAGGTCGCTTACA-3'	5'-ACACATCAATCCCCAGCAGT-3'
<i>Nrf2</i> (NRF2)	5'-CTACTCCCAGTTGCCACA-3'	5'-CGACTCATGGTCATCTACAAATGG-3'
<i>Opa1</i> (OPA1)	5'-CTGGAAGAATCGGACCCAAG-3'	5'-AGGTTCTTCCGGACTGTGGT-3'
p53 (p53)	5'-CCGTGTTGGTTCATCCCTGTA-3'	5'-TTTTGGATTTTTAAGACAGAGTC-3'
<i>Pink1</i> (PINK1)	5'-CTACCGCTTCTTCCGCCAGT-3'	5'-AGCCCGAAGGCCAGAAAGAC-3'
<i>Pparg</i> (PPARg)	5'-GTGCCAGTTTGCATCCGTAGA-3'	5'-GGCCAGCATCGTGTAGATGA-3'
<i>Pparg1a</i> (PGC1a)	5'-ATGTGTCGCCTTCTTGCTCT-3'	5'-ATCTACTGCCTGGGGACCTT-3'
<i>Sirt1</i> (SIRT1)	5'-TTGTGAAGCTGTTTCGTGGAG-3'	5'-GGCGTGGAGGTTTTTCAGTA-3'

Supplementary Table 2. Antibodies and conditions used for western blot assays.

Antibody	Host	Manufacturer	Dilution used
Anti-Akt	Mouse	Cell Signaling Technology, Danvers, MA, USA	1: 1000
Anti-BNIP3	Mouse	Santa Cruz Biotechnology, California, USA	1: 1000
Anti-COXIV	Mouse	GeneTex, Irvine, USA	1: 2000
Anti-FIS	Mouse	Santa Cruz Biotechnology, California, USA	1: 1000
Anti-GCLm	Rabbit	Sigma Aldrich, Madrid, Spain	1: 5000
Anti-HO1	Mouse	Mouse Santa Cruz Biotechnology, California, USA	1: 1000
Anti-MFN2	Mouse	Santa Cruz Biotechnology, California, USA	1: 1000
Anti-Mouse-HRP	Goat	Bethyl Laboratories, Montgomery, USA	1: 5000
Anti-NRF2	Rabbit	GeneTex, Irvine, EEUU	1: 1000
Anti-p53	Rabbit	Cell Signaling Technology, Danvers, MA, USA	1: 1000
Anti-PCNA	Mouse	Abcam, Cambrigde, United Kingdom	1: 1000
Anti-PGC1a	Rabbit	Milipore Iberica, Madrid, Spain	1: 1000
Anti-phospho-Akt1/PKB α (Ser473)	Rabbit	Millipore Iberica, Madrid, Spain	1: 1000
Anti-PINK1	Mouse	Santa Cruz Biotechnology, California, USA	1: 1000
Anti-PTEN	Rabbit	Milipore Iberica, Madrid, Spain	1: 500
Anti-Rabbit-HRP	Goat	Milipore Iberica, Madrid, Spain	1: 5000
Anti-SIRT1	Rabbit	Santa Cruz Biotechnology, California, USA	1: 500