

Table S1: Primer list

Genes	Sequence
<i>Foxp1</i> 430bp 1	5'-CCTCTGGCGATGAACCTAGTGGT-3'
<i>Foxp1</i> 430bp 2	5'-AGCCACACTTTCTCTCAGGATGT-3'
<i>Foxp1</i> 280bp 1	5'-AGCGCATGCTCCAGACTGCCTTG-3'
<i>Foxp1</i>	For 5'-AGAGCGCCTGCAAGCCATGA-3'
	Rev 5'-GGCGGTGGGGGTTGTTGGAG-3'
<i>Foxo1</i>	For 5'-AAGAGCGTGCCCTACTTCAA-3'
	Rev 5'-CTCCCTCTGGATTGAGCATC-3'
<i>Hprt1</i>	For 5'-TCCTCCTCAGACCGCTTTT-3'
	Rev 5'-CCTGGTTCATCATCGCTAATC-3'
<i>Sdha1</i>	For 5'-CATGCCAGGGAAGATTACAAA-3'
	Rev 5'-GTTCCCCAAACGGCTTCT-3'
<i>Pgc-1α</i>	For 5'-GGACGGAAGCAATTTTCAA-3'
	Rev 5'-TTACCTGCGCAAGCTTCTCT-3'
<i>Tfam</i>	For 5'-TCTGTCTCCTGAGGAAAAGCAG-3'
	Rev 5'-ACTTCGTCCAACCTCAGCCA-3'
<i>D-loop</i>	For 5'-GACCAACATAACTGTGGTGTCA-3'
	Rev 5'-ATTCTTCTCCGTAGGTGCGTCTAG-3'
<i>16srRNA</i>	For 5'-CCGCAAGGGAAAGATGAAAGAC-3'
	Rev 5'-TCGTTTGGTTTCGGGGTTTC-3'
<i>Nd1</i>	For 5'-CTAGCAGAAACAAACCGGGC-3'
	Rev 5'-CCGGCTGCGTATTCTACGTT-3'
<i>B2m</i>	For 5'-TGTCAGATATGTCCTTCAGCAAGG-3'
	Rev 5'-TGCTTAACTCTGCAGGCGTATG-3'
<i>Hk2</i>	For 5'-GCCAGCCTCTCCTGATTTTAGTGT-3'
	Rev 5'-GGGAACACAAAAGACCTCTTCTGG-3'

Table S2: Antibody list

Primary Antibody	Supplier	Application& dilution	Catalog #	RRID
Anti-Bcl-2 antibody	Abcam	WB 1:1000	ab692	AB_305670
Anti-FOXP1 antibody (rabbit)	Abcam	WB 1:1000	ab16645	AB_732428
Anti-PGC-1 Alpha antibody	Abcam	WB 1:1000	ab54481	AB_881987
Anti-Mitofusin 1 antibody	Abcam	WB 1:1000	ab104274	AB_10712138
Anti-TFAM antibody	Abcam	WB 1:1000	ab131607	AB_11154693
Anti-TTC11/FIS1 antibody	Abcam	WB 1:1000	ab71498	AB_1271360
Anti-GAPDH rabbit antibody	Abcam	WB 1:5000	ab9485	AB_307275
Anti-GAPDH mouse antibody	Abcam	WB 1:5000	ab8245	AB_2107448
COX IV Antibody	Cell Signaling Technology	WB 1:1000	4844S	AB_2085427
Foxo1 Rabbit mAb	Cell Signaling Technology	WB 1:1000	2880S	AB_2106495
LC3A/B (D3U4C) Rabbit mAb	Cell Signaling Technology	WB 1:1000	12741S	AB_2617131
Purified Mouse Anti-OPA1	BD Biosciences	WB 1:1000	612606	AB_399888
Purified Mouse Anti-DLP1	BD Biosciences	WB 1:1000	611112	AB_398423
Parkin (Prk8) Mouse mAb	Cell Signaling Technology	WB 1:1000	4211S	AB_2159920
PINK1 rabbit polyclonal antibody	Proteintech	WB 1:1000	23274-1-AP	AB_2879244
Purified Mouse Anti- Cytochrome C	BD Biosciences	WB 1:1000	556433	AB_396417
Recombinant Anti-Bax antibody [E63]	Abcam	WB 1:1000	ab32503	AB_725632
SOD2 antibody	GeneTex	WB 1:1000	GTX116093	AB_10624558

Secondary Antibody	Supplier	Application& dilution	Catalog #	RRID
IRDye 800CW Donkey anti- Rabbit	LI-COR Biosciences	WB 1:10000	926-32213	AB_621848
IRDye 680CW Donkey anti- Mouse	LI-COR Biosciences	WB 1:10000	926-68072	AB_10953628