

## SUPPLEMENTARY TABLES

**Supplementary Table 1. Sequence of primers for quantitative RT-PCR analysis.**

<b>Gene Name</b>	<b>Genebank Accession</b>	<b>Species Specificity</b>	<b>Sequences of Primers</b>
<i>β-actin</i>	NM_0011101	Human	forward 5'- CCTTGCACATGCCGGAG-3' reverse 5'-GCACAGAGCCTCGCCTT-3'
<i>CPT1A</i>	NM_001876	Human	forward 5'-GCCTCGTATGTGAGGCCAAAA-3' reverse 5'-TCATCAAGAAATGTCGCACG-3'
<i>CPT1B</i>	NM_004377	Human	forward 5'-GGTCCAGTTTACGGCGATAC-3' reverse 5'-CCTCTCATGGTGAACAGCAA-3'
<i>CPT1C</i>	NM_001136052	Human	forward 5'-GGATGGCACTGAAGAGGAAA-3' reverse 5'-TCCTGGAAAAGGCATCTCTC-3'
<i>CPT2</i>	NM_000098	Human	forward 5'-CGGAGTCTCGAGCAGATAGG-3' reverse 5'- GGAAAAGAAGTGCATGAGCA-3'
<i>CRAT</i>	NM_001257363	Human	forward 5'-GGGCTCGAGTAGATGACCAC-3' reverse 5'-ATGAGTTTCAGGCCTCAGGA-3'
<i>IL-8</i>	NM_000584	Human	forward 5'- ACTGAGAGTGATTGAGAGTGGAC-3' reverse 5'-AACCCCTCTGCACCCAGTTTTTC-3'
<i>PGC-1α</i>	NM_013261	Human	forward 5'-AATCCGTCTTCATCCACAGG-3' reverse 5'-GGTGCAGTGACCAATCAGAA-3'
<i>NRF1</i>	NM_001040110	Human	forward 5'-AGGAACACGGAGTGACCCAA-3' reverse 5'-TATGCTCGGTGTAAGTAGCCA-3'
<i>TFAM</i>	NM_003201	Human	forward 5'- ATGGCGTTTCTCCGAAGCAT-3' reverse 5'-TCCGCCCTATAAGCATCTTGA-3'
<i>Cytochrome b TP53</i>	NM_000101	Human	forward 5'-CCCAGTGGTACTTTGGTGCC-3' reverse 5'-GCGGTCATGTACTTCTGTCCC-3'
<i>CDKN1A</i>	NM_001126118	Human	forward 5'-CAGCACATGACGGAGGTTGT-3' reverse 5'-TCATCCAAATACTCCACACGC-3'
<i>PPARα</i>	NM_078467	Human	forward 5'-TGTCCGTCAGAACCCATGC-3' reverse 5'-AAAGTCGAAGTTCCATCGCTC-3'
<i>TNFA</i>	NM_005036	Human	forward 5'-CGGTGACTTATCCTGTGGTCC-3' reverse 5'-CCGCAGATTCTACATTCGATGTT-3'
<i>TNFR1</i>	NM_000594	Human	forward 5'-GAGGCCAAGCCCTGGTATG-3' reverse 5'-CGGGCCGATTGATCTCAGC-3'
<i>FAS</i>	NM_001065	Human	forward 5'-AACGAGTGTGTCTCCTGTAGT-3' reverse 5'-GGAGTAGAGCTTGGACTTCCAC-3'
<i>FASL</i>	NM_000043	Human	forward 5'-AGATTGTGTGATGAAGGACATGG-3' reverse 5'-TGTTGCTGGTGAAGTGTGCATT-3'
<i>PRKN</i>	NM_000639	Human	forward 5'-TGCCTTGGTAGGATTGGGC-3' reverse 5'-GCTGGTAGACTCTCGGAGTTC-3'
<i>PINK1</i>	NM_004562	Human	forward 5'-CCCACCTCTGACAAGGAAACA-3' reverse 5'-TCGTGAACAAACTGCCGATCA-3'
<i>CDKN2A</i>	NM_032409	Human	forward 5'-GGAGGAGTATCTGATAGGGCAG-3' reverse 5'-AACCCGGTGCTCTTTGTCCAC-3'
<i>OPA1</i>	NM_000077	Human	forward 5'-ATGGAGCCTTCGGCTGACT-3' reverse 5'-GTAAGTATTTCGGTGCCTTGGG-3'
<i>MFN1</i>	NM_015560	Human	forward 5'-CTGCAGGTCCCAAATTGGTT-3' reverse 5'-TCTTTGTCTGACACCTTCTGT-3'
<i>MFN2</i>	NM_033540	Human	forward 5'-CGGGGTGACCTTCGAGC-3' reverse 5'-TTCTGCCATTATGCACCTGGA-3'
	NM_001127660	Human	forward 5'-AGCGTTCAGAGGCCATCG-3' reverse 5'-TCCAAGCTTCTTCACCTTCCC-3'

**Supplementary Table 2. Sequences of RNAi assay.**

<b>RNAi Name</b>	<b>Species Specificity</b>	<b>Sequences</b>
siRNA TP53-1	Human	5'-GGACAUACCAGCUUAGAUU dTdT-3'
siRNA TP53-2	Human	5'-GCACAGAGGAAGAGAAUCU dTdT-3'
siRNA TP53-3	Human	5'-GACUCCAGUGGUAUCUAC dTdT-3'