Name	Sequence	Purpose
Nd4-E1	AGAACATTTCTGTGAATGC	
Nd4-E6	AAGTTACTTACGGAT	*nd4* probe for RNA gel blot
Nd7-E1	ATGACGACTAGGAAAAGGCAA	
Nd7-E4	TCCACCTCTCCAAACACAAT	*nd7* probe for RNA gel blot
Nd9-E1	TTTCAAATATAGTTGGGAGAC	
Nd9-E2	GCAAAATCGAAATAGCG	*nd9* probe for RNA gel blot
Nd4L-E1	ATGGATCTTATCAAATA	
Nd4L-E2	TTCTACAGCAATAGTACCT	*nd4L* probe for RNA gel blot
Nd6-E1	ATGATACTTTCTGTTTTG	
Nd6-E2	TCGTCCTCCTCATTATAGTC	*nd6* probe for RNA gel blot
Nd5-E3	TGAGTGCTGGTTCGGTGATT	
Nd5-E8	TCTACCCCAAGAAGATAGAGAG	*nd5* probe for RNA gel blot
Nd1-E7	GTAGTGGGATCGTTCGGATTG	
Nd1-E8	TAAGGAAGCCATTGAAAGGTG	*nd1* probe for RNA gel blot
Nd2-E1	GCAGAATTCGTTCGGATC	
Nd2-E2	TTTTGATGCTGCGATTACA	*nd2* probe for RNA gel blot
Nd3-E1	AAAGTGGGCTGTAATGATG	
Nd3-E2	TCTTGTTGGGGAGGTACTGC	
Nd3-E3	ACCTACCCAGAAAAATTGTCG	*nd3* probe for RNA gel blot
Nd3-E4	TGTGCCCTATCACTTTACTCC	
3'ND4-1	GAGGAAUCAGCAAAGAAAAGAAAAACGGGU	
3'ND4-2	AACAUGGCAAAUUUCAUUGA	
3'ND4-3	CAAAGAAAAGAAAAACGGGU	RNA binding assays
3'ND4-4	CAACAUCUUAAUGUGUAUUUGAGGAUAUUU	
AS-3'UTR-ND4	ACCCGTTTTTCTTTTCTTTGCTGATTCCTC	sRNA detection
MTSF1-GW5	CAAAAAAGCAGGCTTAAATAAGATTAATGTCAGTAG	
MTSF1-GW7	CAAGAAAGCTGGGTTCAGAGAGGACAAACCATATGAG	
GW3	GGGGACCACTTTGTACAAGAAAGCTGGGTC	antibody production
GW5	GGGGACAAGTTTGTACAAAAAAGCAGGCT	
Nd4-E5	GGCTATATAATCGTGTGG	
Nd4-CRT1	TGGCCGTAGAAGAGTCGAATTG	*nd4* circular-RT-PCR analysis
MTSF1-3	CCTAACTCCTCAAGCGCAATA	
MTSF1-5	TTTCACCTGTAGCCGTTATCT	
MTSF1-8	CATATCCTGGCATGTGACC	*mtsf1* mutants genotyping
MTSF1-7	ATAATTGTTTGATTCAGGC	
LB-SALK2	GCTTTCTTCCCTTCCTTTCTC	
AOX1AF	GTTTCGTCTCACGAGGCTTTAT	
AOX1AR	GGTGGATTCGTTCTCTGTTTTC	
AOX1BF	CAAGCTAATGGAAACTGCTGTG	
AOX1BR	CATCTTGCTGAAAACTCTCACG	
AOX1CF	ATTACTCCGTCGCTCTCTCCTT	
AOX1CR	CTTCACGCCCCAATAACTAACT	
AOX1DF	GGATTCAGGGGACATCTCATTA	
AOX1DR	CTGGCTGGTTATTCCCACTTAC	
AOX2F	CATGTTCGTGAGTTCTGTTTCC	
AOX2R	ACCCATCCACCTCAAGTTAAAA	
NDA1F	GAATCTCGCAGACCACTTCTTC	Quantitative RT-PCR analysis of mitochondrial alternative respiratory pathway transcripts
NDA1R	GGCTCCAACGCATTAACTACATC	
NDA2F	TCATACACTCTCGCTTCTCGTT	
NDA2R	GGCAAACCTGAATACTGACTCC	
NDB1F	AAGTATAGTGGCATACGCTGAT	
NDB1R	TAGTTCTGGGGAGACACAACCT	
NDB2F	TCCTTCTCTCACCAGGATTCTC	
NDB2R	AGTTTCAACAACAGCACCACCATT	
NDB4F	ATTACACGCAGACGCTACTC	
NDB4R	GCAAGAGAGGAGTGAAGAGGAA	
MTSF1-GW1	CAAAAAAGCAGGCTAAAATGAACAAAACAGTCGTAAG	MTSF1 presequence amplification
MTSF1-GW2	CAAGAAAGCTGGGTCCATAAACCTAGCAGTGAGAT	
MTSF1-GW3	CAAAAAAGCAGGCTAAAATGGCTGTTATCAGTTTCTTCGTTTG	Expression of recombinant MTSF1
MTSF1-GW4	CAAGAAAGCTGGGTCTCAGAGAGGACAAACCATATGAG	

Primers used for the splicing qRT-PCR experiment

	Forward primer	Reverse primer
rpl2	CCGAAGACGGATCAAGGTAA	CGCAATTCATCACCATTTTG
rpl2 intron exon2	TTAGGAAGAGCCGTACGAGG	CGCAATTCATCACCATTTTG
rps3	AGCCGAAGGTGAGTCTCGTA	CCGATTTCGGTAAGACTTGG
rps3 intron1 exon2	AGCCGAAGGTGAGTCTCGTA	TCTACGGCGGGGTCACTAT
cox2	TGGGGGATTAATTGATTGGA	TGATGCTGTACCTGGTCGTT
cox2 intron1 exon2	TGGGGGATTAATTGATTGGA	AGCAGTACGAGCTGAAAGGC
ccmFc	GTGGGTCCATGTAAATGATCG	CACATGGAGGAGTGTGCATC
ccmFc intron1 exon1	CCCGGATCGAATCAGAGTT	CACATGGAGGAGTGTGCATC
nad1 exon1-2	GACCAATAGATACTTCATAAGAGACCA	TTGCCATATCTTCGCTAGGTG
nad1 intron1 exon2	GACCAATAGATACTTCATAAGAGACCA	CGTGCTCGTACGGTTCATAG
nad1 exon2-3	ATTCAGCTTCCGCTTCTGG	TCTGCAGCTCAAATGGTCTC
nad1 intron2 exon2	GGTTGGGTTAGGGGAACATC	TCTGCAGCTCAAATGGTCTC
nad1 exon3-4	AAAAGAGCAGACCCCATTGA	TCCGTTTGATCTCCCAGAAG
nad1 intron3 exon4	AAAAGAGCAGACCCCATTGA	GGGAGCTGTATGAGCGGTAA
nad1 exon4-5	AGCCCGGGATCTTCTTGA	TCTTCAATGGGGTCTGCTC

nad1 intron4 exon5	AGCCCGGGATCTTCTTGA	ACGGAGCTGCATCCCTACT
nad2 exon1-2	GCGAGCAGAAGCAAGGTTAT	GGATCCTCCCACACATGTTC
nad2 intron1 exon2	GCGAGCAGAAGCAAGGTTAT	CCCATTCCTAACCAGTGGAG
nad2 exon2-3	AAAGGAACTGCAGTGATCTTGA	AATATTTGATCTTAGGTGCATTTTC
nad2 intron2 exon2	CCCGATCCGATAGTTTACAA	AATATTTGATCTTAGGTGCATTTTC
nad2 exon3-4	GCGCAATAGAAAGGAATGCT	CTATGGGTCTACTGGAGCTACCC
nad2 intron3 exon4	GCGCAATAGAAAGGAATGCT	GGCGAATTTCAAACTTGTGG
nad2 exon4-5	CAAAGGAGAGGGGTATAGCAA	TATTTGTTCTTCGCCGCTTT
nad2 intron4exon4	CTTATTCGTGGCAACCTTCC	TATTTGTTCTTCGCCGCTTT
nad4 exon1-2	ATTCTATGTTTTTCCCGAAAGC	GAAAAACTGATATGCTGCCTTG
nad4 intron1 exon2	CCGTATGATGCGGAAGTCTC	GAAAAACTGATATGCTGCCTTG
nad4 exon2-3	AATACCCATGTTTCCCGAAG	TGCTACCTCCAATTCCCTGT
nad4 intron2 exon3	GCGGAACGACCAGAAAAATA	TGCTACCTCCAATTCCCTGT
nad4 exon3-4	TTCCTCCATAAATTCTCCGATT	TGAAATTTGCCATGTTGCAC
nad4 intron3 exon4	TCTAGCTTGGTTCGGAGAGC	TGAAATTTGCCATGTTGCAC
nad5 exon1-2	TGGACCAAGCTACTTATGGATG	CCATGGATCTCATCGGAAAT
nad5 intron1 exon2	TGGACCAAGCTACTTATGGATG	TTCGCAAATAGGTCCGACT
nad5 exon2-3	TACCTAAACCAATCATCATATC	CTGGCTCTCGGGAGTCTCTT
nad5 intron2-exon2	GTACGATCGTGTCGGGTGA	CTGGCTCTCGGGAGTCTCTT
nad5 exon3-4	AACTCGGATTCGGCAAGAA	GATATGATGATTGGTTTAGGTA
nad5 intron3-exon4	AACTCGGATTCGGCAAGAA	GCCGTGTAATAGGCGACCA
nad5 exon4-5	AACATTGCAAAGGCATAATGA	GTTCCTGCGTTTCGGATATG
nad5 intron4 exon5	AACATTGCAAAGGCATAATGA	CCTGTAAACCCCCATGATGT
nad7 exon1-2	ACCTCAACATCCTGCTGCTC	AAGGTAAAGCTTGAAGATAAGTTTTGT
nad7 intron1 exon2	ACGGTTTTTAGGGGGATCTG	AAGGTAAAGCTTGAAGATAAGTTTTGT
nad7 exon2-3	GAGGGACTGAGAAATTAATAGAGTACA	TGGTACCTCGCAATTCAAAA
nad7 intron2 exon3	AGTGGGAGAGCCGTGTTATG	TGGTACCTCGCAATTCAAAA
nad7 exon3-4	ACTGTCACTGCACAGCAAGC	CATTGCACAATGATCCGAAG
nad7 intron3 exon4	TAAAGTGAAGTGGTGGGCCT	CATTGCACAATGATCCGAAG
nad7 exon4-5	GATCAAAGCCGATGATCGTAA	AGGTGCTTCAACTGCGGTAT
nad7 intron4 exon5	CGGCCAAATGACTACAGGAT	AGGTGCTTCAACTGCGGTAT
18S nuclear rRNA	AAACGGCTACCACATCCAAG	ACTCGAAAGAGCCCGGTATT

Supplemental Table 1: DNA and RNA oligonucleotides used in this analysis.