

Table S1. Tag sequences for strand-specific RT-qPCR, Related to Step 108

Tag	Sequences (5'-3')
R1 (SP6 promoter)	ATTTAGGTGACACTATAG
R2 (CMV promoter)	CGCAAATGGGCGGTAGGCGTG
R3 (GST)	GGGCTGGCAAGCCACGTTTGG

Table S2. Primer sequences for strand-specific reverse transcription, Related to Step 108

Primer	Sequences (5'-3')
ND1 Heavy	Tag-GTTGTGATAAGGGTGGAGAGG
ND1 Light	Tag-TCAAACCTCAAACCTACGCCCTG
ND4 Heavy	Tag-TGTTTGTCTAGGCAGATGG
ND4 Light	Tag-CCTCACACTCATTCTCAACCC
ND5 Heavy	Tag-TTTGGGTTGAGGTGATGATG
ND5 Light	Tag-CATTGTGCATCCACCTTTA
ND6 Heavy	Tag-GGTTGAGGTCTTGGTGAGTG
ND6 Light	Tag-CCCATAATCATACAAAGCCCC
CYTB Heavy	Tag-GGATAGTAATAGGGCAAGGACG
CYTB Light	Tag-CAATTATACCCTAGCCAACCCC
CO1 Heavy	Tag-TTGAGGTTGCGGTCTGTTAG
CO1 Light	Tag-GCCATAACCCAATACCAAACG
CO2 Heavy	Tag-GTAAAGGATGCGTAGGGATGG
CO2 Light	Tag-CTAGTCCTGTATGCCCTTTTCC
CO3 Heavy	Tag-CTCCTGATGCGAGTAATACGG
CO3 Light	Tag-CCTTTTACCACTCCAGCCTAG
ACTB	Tag-ACACAGAGTACTTGCGCTCAG
GAPDH	Tag-TGAGCGATGTGGCTCGGCT

Table S3. Primer sequences for strand-specific qPCR, Related to Step 113

Gene	Forward Primer (5'-3')	Reverse Primer (5'-3')
ND1 Heavy	TCAAACCTCAAACCTACGCCCTG	Tag
ND1 Light	GTTGTGATAAGGGTGGAGAGG	Tag
ND4 Heavy	CTCACACTCATTCTCAACCCC	Tag
ND4 Light	TGTTTGTCGTAGGCAGATGG	Tag
ND5 Heavy	CTAGGCCTTCTTACGAGCC	Tag
ND5 Light	TAGGGAGAGCTGGGTTGTTT	Tag
ND6 Heavy	TCATACTCTTTCACCCACAGC	Tag
ND6 Light	TGCTGTGGGTGAAAGAGTATG	Tag
CYTB Heavy	CAATTATACCCTAGCCAACCCC	Tag
CYTB Light	GGATAGTAATAGGGCAAGGACG	Tag
CO1 Heavy	GCCATAACCCAATACCAAACG	Tag
CO1 Light	TTGAGGTTGCGGTCTGTTAG	Tag
CO2 Heavy	CTAGTCCTGTATGCCCTTTTCC	Tag
CO2 Light	GTAAGGATGCGTAGGGATGG	Tag
CO3 Heavy	CCTTTTACCACTCCAGCCTAG	Tag
CO3 Light	CTCCTGATGCGAGTAATACGG	Tag
ACTB	ACACAGTGCTGTCTCGTGGTA	Tag
GAPDH	CAACGACCACTTTGTCAAGC	Tag