

Supplemental Table 1

Bisulfite modified sequencing

COX-1	Forward	5'-GTTTTGGGTGATTTTAGTATTGAG-3'
	Reverse	5'-TAAACCTAACATTCAAACTCCAC-3'
	Sequencing	5'-GTTTTTTGTTTATATTTAGTGTTATTAGGTATTAG-3'

Methylation specific PCR

COX-1	M-MSP (F)	5'-GAAGTAAGCGGGTAGTCG-3'
	M-MSP (R)	5'-GTACGCCTCGCACACTAC-3'
	U-MSP (F)	5'-AGGAAGTAAGTGGGTAGTTGA-3'
	U-MSP (R)	5'-TACATACACCTCACACTAC-3'

Real time RT-PCR

COX-1	Forward	5'-AGCAGCTTTTCCAGACGACC-3'
	Reverse	5'-CGGTTGCGGTATTGGAAGT-3'
	Probe	5'-CGTGCAGCAGCTGAGTGGCTATTTC-3'.
COX-2	Forward	5'-CCAGCACTTACGCATCAGT-3'
	Reverse	5'-ACGCTGTCTAGCCAGAGTTTCAC-3'
	Probe	5'-GGCTGGGCCATGGGGTGGACTTAAAT-3'
GAPDH	Forward	5'-CCATGGAGAAGGCTGGGG-3'
	Reverse	5'-CAAAGTTGTCATGGATGACC-3'
PGK1	Forward	5'-CTTCCAGGAGCTCCAACTG-3'
	Reverse	5'-GCTTCATGGATGAGGTGGT-3'
18s ribosomal RNA	Cat#4319413E (Applied Biosystems, Foster city, CA)	