**Supplemental Table S1**

**Oligonucleotide primers and probe sequences**

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| --- | --- | --- | --- |
| Forward (5’ to 3’) | Reverse (5’ to 3’) | Gene Target | Used in |
| TTGCCGGCCACAACCCTT | AGCCTTGTCTGGGTCCCATC | *SDHB* total transcripts(exons 1-3) | AS qPCR, qPCR |
| TTGCCGGCCACAACCCTT | AGCCTTGTCTGG GTCCCATCA | *SDHB* C136U edited transcripts(exons 1-3) | AS qPCR |
| FAM/AGACAGCTGCAGCCACAGCT |  | *SDHB* fluorescent probe(exon 2) | qPCR probe  |
| GGTCCTCAGTGGATGTAGGC | ACCAAGATCTTTAAAGGAACTCA | *SDHB* complete coding cDNA | High-throughput and Sanger sequencing |
| GTGGGAATTGTCGCCTAAGTG | ACATTTTCACATTAGAGATTCCCATT | *SDHD* complete coding cDNA | High-throughput sequencing |
| CCAGCAAAATGGAATTATCTTGT | CTCTCCTTCAATAGCTGGCTT | *SDHB* exon 2 genomic (intronic primers) | Test of genomic DNA for C136T mutation |
| CTCGCTCCGTGGCCTTAGCT | TGGATGAAACCCAGACACATAGCA | B2-microglobulin | qPCR |
| CTCACCCAGGAGGGGAGAATC | CGATAGCAATTGCCCTGAAATCC | Cytidine deaminase | qPCR |