|  |  |  |  |
| --- | --- | --- | --- |
| Primer | Direction | Primer sequence (5’ to 3’) | References |
| N2-J-1006\_Modified | Forward | **-----**GG**GT**TACC**C**CC**C**TT**CC**T**G**GG | Modified from Simon, Frati et al. (1994) |
| LCO1490 | Forward | ggtcaacaaatcataaagatattgg | Vrijenhoek (1994) |
| HCO2198 | Reverse | taaacttcagggtgaccaaaaaatca | Vrijenhoek (1994) |
| C1-J-2195 | Forward | TTGATTTTTTGGTCATCCAGAAGT | Simon, Frati et al. (1994) |
| MF1\_Modified | Forward | GC**A**TT**T**CC**T**CGAATAAA**C**AA**C**A | Modified from Hajibabaei, Janzen et al. (2006) |
| C1-J-2441\_Modified | Forward | CC**T**AC**T**GG**C**ATTAAAATTTTTAG**C**TGA**C**TAGC | Modified from Simon, Frati et al. (1994) |
| C1-J-2659\_Modified | Reverse | G**T**TA**G**TCC**T**GTGAATA**G**TGG | Modified from Simon, Frati et al. (1994) |
| TL2-N-3014 | Reverse | TCCAATGCACTAATCTGCCATATTA | Simon, Frati et al. (1994) |
| C1-J-2797\_Modified | Forward | CC**A**CG**C**CG**A**TA**C**TCAGATTACC | Modified from Simon, Frati et al. (1994) |

**Supplementary Table 1**

Conserved and modified CO1 primers used for sequencing. Modifications of the original primer sequences are highlighted in bold.

**References**

**Hajibabaei, M., Janzen, D. H., Burns, J. M., Hallwachs, W. & Hebert, P. D.** (2006) DNA barcodes distinguish species of tropical Lepidoptera. Proceedings of the National Academy of Sciences of the United States of America **103**(4): 968-971.

**Simon, C., Frati, F., Beckenbach, A., Crespi, B., Liu, H. & Flook, P.** (1994) Evolution, weighting, and phylogenetic utility of mitochondrial gene sequences and a compilation of conserved polymerase chain reaction primers. Annals of the Entomological Society of America **87**(6): 651-701.

**Vrijenhoek, R.** (1994) DNA primers for amplification of mitochondrial cytochrome c oxidase subunit I from diverse metazoan invertebrates. Molecular Marine Biology and Biotechnology **3**(5): 294-299.