Table S1. Amplification and sequencing primers and PCR conditions.

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| --- | --- | --- | --- |
| Marker | Primers | PCR conditions | Reference |
| **Cytochrome c oxidase subunit I** | **LCO1490**GGT CAA CAA ATC ATA AAG ATA TTG G**HCO2198**TAA ACT TCA GGG TGA CCA AAA AAT CA | 5 min — 94 °C, 35×[15 s — 95 °C, 45 s — 45°C, 1 min — 72 °C], 7 min — 72 °C | Folmer *et al*.,1994 |
| **16S rRNA** | **16Sar-L** CGC CTG TTT ATC AAA AAC AT **16S R** CCG RTY TGA ACT CAG CTC ACG  | 5 min — 94 °C, 35×[20 s — 95 °C, 30 s — 52 °C, 45 s — 72 °C], 7 min — 72°C  | Palumbi *et al*., 1991 Puslednik, Serb, 2008  |
| **Histone H3** | **H3AF**ATG GCT CGT ACC AAG CAG ACV GC **H3AR**ATA TCC TTR GGC ATR ATR GTG AC | 5 min — 94 °C, 35×[15 s — 94 °C, 30 s — 50 °C, 45 s — 72 °C], 7 min — 72 °C  | Colgan *et al*., 1998 |