Table S3. 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 and 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 |
| **28S rRNA** | **28SC1** ACC CGC TGA ATT TAA GCA T**28SC2** TGA ACT CTC TCT TCA AAG TTC TTT TC | 5 min - 94°C, 35×[15 s - 94°C, 30 s - 50°C, 45 s - 72°C], 7 min - 72°C  | Lê et al., 1993 |
| **18S rRNA** | **1F**TAC CTG GTT GAT CCT GCC AGT AG **5R** CTT GGC AAA TGC TTT CGC**3F**GTT CGA TTC CGG AGA GGG A**18Sbi**GAG TCT CGT TCG TTA TCG GA**18Sa2.0**ATG GTT GCA AAG CTG AAA C**9R**GAT CCT TCC GCA GGT TCA CCT AC | 5 min - 94°C, 35×[30 s - 94°C, 30 s - 49°C, 1 min - 72°C], 7 min - 72°C  | Giribet et al., 1996; Whiting et al., 1997 |