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| --- | --- | --- | --- | --- |
|  **Locus** | **Primer name** | **Primer sequence (5′ → 3′)** | **PCR Profile** | **Source** |
| 12S rRNA | 12SF | GAAACCAGGATTAGATACCC | 40 cycles of 30s at 94°C, 45s at 47°C and 15s at 72°C, followed by a ﬁnal extension of 7 min at 72°C | Kocher et al. (1989) modiﬁed by Mokady et al. (1999) |
| 12SR | TTTCCCGCGAGCGACGGGCG |
| 16S rRNA | 16SAR | CGCCTGTTTATCAAAAACAT | 40 cycles of 25s at 92°C, 90s at 50°C and 25s at 72°C, followed by a ﬁnal extension of 7 min at 72°C | Palumbi (1996) |
| 16SBR | CCGGTCTGAACTCAGATCACGT |
| 18S rRNA | 18SF | TAATGATCCTTCCGCAGGTT | 35 cycles of 70s at 92°C, 90s at 54°C and 50s at 72°C, followed by a ﬁnal extension of 7 min at 72°C | Spears et al. (1994) |
| 18SR | CCTGGTTGATCCTGCCAG |
| 28S rRNA | 28SA | GACCCGTCTTGAAGCACG | 40 cycles of 25s at 92°C, 90s at 50°C and 25s at 72°C, followed by a ﬁnal extension of 7 min at 72°C | Whiting (2002) |
| 28SB | TCGGAAGGAACCAGCTAC |
| Cytochrome Oxidase Subunit 1 (COI) | LCO1490 | GGTCAACAAATCATAAAGATATTGG | initial 2 min denaturation at 95°C, 35 cycles of 90s denaturation, 30s annealing at 50 °C, 45s at 72°C, and a final 10 min extension at 72°C | Folmer et al. (1994) |
| HCO2198 | TAAACTTCAGGGTGACCAAAAAATCA |
| Histone 3 (H3) | H3F | ATGGCTCGTACCAAGCAGACVGC | 40 cycles of 25s at 92°C, 90s at 50°C and 25s at 72°C, followed by a ﬁnal extension of 7 min at 72°C | Colgan et al. (1998) |
| H3R | ATATCCTTRGGCATRATRGTGAC |
| ITS2-28S rRNA | ITS-Typh1f | GGTCGTCTAGAGGAAGTAAAAGTC | 35 cycles of 30s at 94°C, 30s at 54°C and 45s at 72°C, followed by a ﬁnal extension of 7 min at 72°C | Newly designed for this study. |
| ITS-Typh1r | TTCCCGAACACCACATTGCACGACG |

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