**Supplementary Table 1.** PCR mix, primers and conditions used for each molecular marker sequenced in this study.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | ***Cox*2** | **ITS2** | ***Cyt*b** | ***Cox*1** | ***EF1-α*** |
| **PCR Mix** | | | | | |
| Forward Primer (10 μM) | 5 µl | 5 µl | 5 µl | 5 µl | 5 µl |
| Reverse Primer (10 μM) | 5 µl | 5 µl | 5 µl | 5 µl | 5 µl |
| Template DNA | 5 µl | 5 µl | 5 µl | 5 µl | 5 µl |
| *goTaq* G2 Green Master Mix DNA polymerase | 25 µl | 25 µl | 25 µl | 25 µl | 25 µl |
| Autoclaved distilled water to | 50 µl | 50 µl | 50 µl | 50 µl | 50 µl |
| **PCR Primers** | | | | | |
| Forward Primer | F-Leu (Whiting, 2002) | senITS2 (Vobis et al., 2004) | CytbF (Dittmar and Whiting, 2003) | Kmt6 (Zhu et al., 2015) | M47F (Zhu et al., 2015) |
| Reverse Primer | R-Lys (Whiting, 2002) | ITS2R (Luchetti et al., 2007) | A5F (Dittmar and Whiting, 2003) | HCO2198 (Folmer et al., 1994) | rcM4.0 (Whiting et al., 2002) |
| **PCR Conditions** | | | | | |
| Initial Denaturing | 95 ºC for 3´ | 94 ºC for 5´ | 95 ºC for 12´ | 96 ºC for 2´ | 94 ºC for 5´ |
| Number of cycles | 37 | 35 | 30 | 40 | 40 |
| Denaturing | 94 ºC for 30´´ | 94 ºC for 60´´ | 95 ºC for 30´´ | 94 ºC for 30´´ | 94 ºC for 30´´ |
| Annealing | 42 ºC for 30´´ | 55 ºC for 60´´ | 40 ºC for 30´´ | 50 ºC for 30´´ | 56 ºC for 45´´ |
| Primer extension | 72 ºC for 15´´ | 72 ºC for 60´´ | 68 ºC for 2´ | 72 ºC for 60´´ | 72 ºC for 60´´ |
| Final extension | 72 ºC for 5´ | 72 ºC for 10´ | 68 ºC for 7´ | 72 ºC for 7´ | 72 ºC for 7´ |

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