Primers and PCR programs used for amplification of the four DNA fragments sequenced in the study.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| DNA fragment | Primer name  | Primer direction  | Primer sequence (5’–3’) | Primer source  | PCR programme |
| COI | LCO1490\_JJ | forward | CHACWAAYCATAAAGATATYGG | Astrin & Stüben 2008 | Michalczyk *et al.* 2012 |
| HCO2198\_JJ | reverse | AWACTTCVGGRTGVCCAAARAATCA | Astrin & Stüben 2008 |
| 18S rRNA | 18S\_Tar\_Ff1 | forward | AGGCGAAACCGCGAATGGCTC | Stec *et al*., 2017 | Zeller (2010), in Stec *et al.,* 2015 |
| 18S\_Tar\_Rr1 | reverse | GCCGCAGGCTCCACTCCTGG | Stec *et al*., 2017 |
| 28S rRNA | 28S\_Eutar\_F | forward | ACCCGCTGAACTTAAGCATAT | Gąsiorek *et al*., 2018 | Mironov *et al.,* 2012 |
| 28S\_R0990 | reverse | CCTTGGTCCGTGTTTCAAGAC | Mironov *et al*., 2012 |
| ITS-2 | ITS2\_Eutar\_Ff | forward | CGTAACGTGAATTGCAGGAC | Stec *et al*., 2018 | Stec *et al.,* 2018 |
|  | ITS2\_Eutar\_Rr | reverse | TGATATGCTTAAGTTCAGCGG | Stec *et al*., 2018 |

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