Appendix S2. Sixteen plastid and two nuclear regions screened in this study and the respective primers used for amplification. *3′trnK-matK* and *trnS-trnG* were amplified in two sections using internal primers.

| Molecular marker | Primer sequences (5′–3′) | Reference |
| --- | --- | --- |
| *isi1* | isi-ex3F: TWGAGCAARGWGCMTGYTTGGATGC | Franck et al., 2012 |
| isi-ex5R: ARCCRAATTGACTVGCYGCCCATAT | Franck et al., 2012 |
| *nhx1* | nhx-ex2F: TCTTCAGTGAAGATCTYTTCTTYAT | Franck et al., 2012 |
| nhx-ex3R: GAAGTTSCGGAARAATTGCTTCTT | Franck et al., 2012 |
| *rpS16* | rpS16F: AAACGATGTGGTARAAAGCAAC | Shaw et al., 2005 |
| rpS16R: AACATCWATTGCAASGATTCGATA | Shaw et al., 2005 |
| *rpL16* | rpl161F: GCTATGCTTAGTGTGTGACTCGTT | Shaw et al., 2005 |
| rpl163R: CTTCTATTTGTCTAGGCGTGATCC | Shaw et al., 2005 |
| *3′trnK-matK* | matK50Fdi:GTTTTGACTGTATCGCACTATGTATC | Demaio et al., 2011 |
| trnK41R: ATGGATTTTTGDGRAGTAATMAGAC | Nyfeller, 2002 |
| AcmatK500F:TTCTTCTTTGCATTTATTACG | Müller and Borsch, 2005 |
| trnK71R:CTAATGGGATGTCCTAATAC | Nyfeller, 2002 |
| *trnH-psbA* | trnH(GUG): ACTGCCTTGATCCACTTGGC | Hamilton, 1999 |
| psbA: CGAAGCTCCATCTACAAATGG | Hamilton, 1999 |
| *trnL-trnF* | 3′trnL(UAA): GGTTCAAGTCCCTCTATCCC | Taberlet et al., 1991 |
| trnF(GAA): ATTTGAACTGGTGACACGAG | Taberlet et al., 1991 |
| *trnT-trnL* | trnT(UGU): CATTACAAATGCGATGCTCT | Taberlet et al., 1991 |
| trnL (UAA)5′: TCTACCGATTTCGCCATATC | Taberlet et al., 1991 |
| *trnQ(UUG)-5′rps16* | trnQ(UUG): GCGTGGCCAAGYGGTAAGGC | Shaw et al., 2007 |
| rpS16x1: GTTGCTTTYTACCACATCGTTT | Shaw et al., 2007 |
| *psbD-trnT(GGU)* | psbD: CTCCGTARCCAGTCATCCATA | Shaw et al., 2007 |
| trnT(GGU)-R: CCCTTTTAACTCAGTGGTAG | Shaw et al., 2007 |
| *psbJ-petA* | psbJ: ATAGGTACTGTARCYGGTATT | Shaw et al., 2007 |
| petA: AACARTTYGARAAGGTTCAATT | Shaw et al., 2007 |
| *3′rps16-5′trnK(UUU)* | rpS16x2F2:AAAGTGGGTTTTTATGATCC | Shaw et al., 2007 |
| trnK(UUU)x1: TTAAAAGCCGAGTACTCTACC | Shaw et al., 2007 |
| *atpI-atpH* | atpI: TATTTACAAGYGGTATTCAAGCT | Shaw et al., 2007 |
| atpH: CCAAYCCAGCAGCAATAAC | Shaw et al., 2007 |
| *petL-psbE* | petL: AGTAGAAAACCGAAATAACTAGTTA | Shaw et al., 2007 |
| psbE: TATCGAATACTGGTAATAATATCAGC | Shaw et al., 2007 |
| *3′trnV(UAC)-ndhC* | trnV(UAC)x2: GTCTACGGTTCGARTCCGTA | Shaw et al., 2007 |
| ndhC: TATTATTAGAAATGYCCARAAAATATCATATTC | Shaw et al., 2007 |
| *ndhF-rpl32* | rpL32-R: CCAATATCCCTTYYTTTTCCAA | Shaw et al., 2007 |
| ndhF: GAAAGGTATKATCCAYGMATATT | Shaw et al., 2007 |
| *rpl32-trnL(UAG)* | trnL(UAG): CTGCTTCCTAAGAGCAGCGT | Shaw et al., 2007 |
| rpL32-F: CAGTTCCAAAAAAACGTACTTC | Shaw et al., 2007 |
| *trnS-trnG* | SG Rev2:TCCGCTCATTAGCTCTCCTC | Bonatelli et al., 2013 |
| trnS(GCU):AACTCGTACAACGGATTAGCAATC | Shaw et al., 2005 |
| SG Fwd2:CACCCATGGTTCCCATTAGA | Bonatelli et al., 2013 |
| 5′trnG2S:TTTTACCACTAAACTATACCCGC | Shaw et al., 2005 |

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