Table S1 Standard and Long PCR primers for nassariid mitogenomes.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *Bullia diluta* | | |  | | | |
|  | **Long PCR** | |  | |  | |
|  | Primer | | Sequence 5'-3' | | Fragment (bp) | |
|  | cox1laF | | AAYATRCGATGACGAGGRATRCARTTTGA | | *cox1-rrnS* (4K) | |
|  | 12SlaR | | ATAGGCTGCACCTTGATCTGACGTYTT | |  | |
|  | 12SlaF | | CAGTTTGTATACCGTCGTCGTCAGGT | | *rrnS-trnF* (8.8K) | |
|  | trnF-R | | CACCCTAGCATCTTCAGTGCTATGCTCT | |  | |
|  | cox3la2F | | ATGGCRCGNAATCCTTTTCATTTAGTWGARTT | | *cox3-cox1* (2.5K) | |
|  | cox1laR | | CGAGGAAAAGCYATRTCAGGAGC | |  | |
|  | *cox1* Genbank Acc. No: KY451224 | | | |  | |
|  |  | |  | |  | |
| *Bullia perlucida* | | |  | |  | |
|  | **Long PCR** | |  | |  | |
|  | Primer | | Sequence 5'-3' | | Fragment (bp) | |
|  | cox1laF | | AAYATRCGATGACGAGGRATRCARTTTGA | | *cox1-rrnS* (4K) | |
|  | 12SlaR | | ATAGGCTGCACCTTGATCTGACGTYTT | |  | |
|  | 12SlaF | | CAGTTTGTATACCGTCGTCGTCAGGT | | *rrnS-cob* (4.5K) | |
|  | cobla2R | | GGRTTAGCWGGRATAAARTTYTCWGGRTC | |  | |
|  | cobla2F | | CCYTGAGGTCARATATCYTTYTGAGGRGC | | *cob-trnF* (4.3K) | |
|  | trnF-R | | CACCCTAGCATCTTCAGTGCTATGCTCT | |  | |
|  | cox3la2F | | ATGGCRCGNAATCCTTTTCATTTAGTWGARTT | | *cox3-cox1* (2.5K) | |
|  | cox1laR | | CGAGGAAAAGCYATRTCAGGAGC | |  | |
|  | *cox1* Genbank Acc. No: KY451227 | | | |  | |
|  |  | |  | |  | |
| *Bullia* sp*.* 613 | | |  | | | |
|  | **Long PCR** | |  | |  | |
|  | Primer | | Sequence 5'-3' | | Fragment (bp) | |
|  | cox1laF | | AAYATRCGATGACGAGGRATRCARTTTGA | | *cox1-rrnS* (4K) | |
|  | 12SlaR | | ATAGGCTGCACCTTGATCTGACGTYTT | |  | |
|  | 12SlaF | | CAGTTTGTATACCGTCGTCGTCAGGT | | *rrnS-cob* (4.5K) | |
|  | cobla2R | | GGRTTAGCWGGRATAAARTTYTCWGGRTC | |  | |
|  | cobla2F | | CCYTGAGGTCARATATCYTTYTGAGGRGC | | *cob-trnF* (4.3K) | |
|  | trnF-R | | CACCCTAGCATCTTCAGTGCTATGCTCT | |  | |
|  | cox3la2F | | ATGGCRCGNAATCCTTTTCATTTAGTWGARTT | | *cox3-cox1* (2.5K) | |
|  | cox1laR | | CGAGGAAAAGCYATRTCAGGAGC | |  | |
|  | *cox1* Genbank Acc. No: KY451232 | | | |  | |
|  |  | |  | |  | |
| *Bullia natalensis* | | | | | | |
|  | **Long PCR** | |  | |  | |
|  | Primer | | Sequence 5'-3' | | Fragment (bp) | |
|  | cox1laF | | AAYATRCGATGACGAGGRATRCARTTTGA | | *cox1-rrnS* (4K) | |
|  | 12SlaR | | ATAGGCTGCACCTTGATCTGACGTYTT | |  | |
|  | 12SlaF | | CAGTTTGTATACCGTCGTCGTCAGGT | | *rrnS-cob* (4.5K) | |
|  | cobla2R | | GGRTTAGCWGGRATAAARTTYTCWGGRTC | |  | |
|  | cobla2F | | CCYTGAGGTCARATATCYTTYTGAGGRGC | | *cob-trnF* (4.3K) | |
|  | trnF-R | | CACCCTAGCATCTTCAGTGCTATGCTCT | |  | |
|  | cox3la2F | | ATGGCRCGNAATCCTTTTCATTTAGTWGARTT | | *cox3-cox1* (2.5K) | |
|  | cox1laR | | CGAGGAAAAGCYATRTCAGGAGC | |  | |
|  | *cox1* Genbank Acc. No: KY451226 | | | |  | |
|  |  | |  | |  | |
| *Bullia cataphracta* | | | | | | |
|  | **Long PCR** | |  | |  | |
|  | Primer | | Sequence 5'-3' | | Fragment (bp) | |
|  | cox1laF | | AAYATRCGATGACGAGGRATRCARTTTGA | | *cox1-rrnS* (4K) | |
|  | 12SlaR | | ATAGGCTGCACCTTGATCTGACGTYTT | |  | |
|  | 12SlaF | | CAGTTTGTATACCGTCGTCGTCAGGT | | *rrnS-cob* (4.5K) | |
|  | cobla2R | | GGRTTAGCWGGRATAAARTTYTCWGGRTC | |  | |
|  | cobla2F | | CCYTGAGGTCARATATCYTTYTGAGGRGC | | *cob-trnF* (4.3K) | |
|  | trnF-R | | CACCCTAGCATCTTCAGTGCTATGCTCT | |  | |
|  | cox3la2F | | ATGGCRCGNAATCCTTTTCATTTAGTWGARTT | | *cox3-cox1* (2.5K) | |
|  | cox1laR | | CGAGGAAAAGCYATRTCAGGAGC | |  | |
|  | *cox1* Genbank Acc. No: KY451223 | | | | | |
|  |  | |  | |  | |
| *Cyllene lamarcki* | | |  | |  | |
|  | **Long PCR** | |  | |  | |
|  | Primer | | Sequence 5'-3' | | Fragment (bp) | |
|  | cox1laF | | AAYATRCGATGACGAGGRATRCARTTTGA | | *cox1-rrnS* (4K) | |
|  | 12SlaR | | ATAGGCTGCACCTTGATCTGACGTYTT | |  | |
|  | 12SlaF | | CAGTTTGTATACCGTCGTCGTCAGGT | | *rrnS-cob* (4.5K) | |
|  | cobla2R | | GGRTTAGCWGGRATAAARTTYTCWGGRTC | |  | |
|  | cobla2F | | CCYTGAGGTCARATATCYTTYTGAGGRGC | | *cob-trnF* (4.3K) | |
|  | trnF-R | | CACCCTAGCATCTTCAGTGCTATGCTCT | |  | |
|  | cox3la2F | | ATGGCRCGNAATCCTTTTCATTTAGTWGARTT | | *cox3-cox1* (2.5K) | |
|  | cox1laR | | CGAGGAAAAGCYATRTCAGGAGC | |  | |
|  | *cox1* Genbank Acc. No:KY451235 | | | |  | |
|  |  | |  | |  | |
| *Cyllene parvula* | | |  | |  | |
|  | **Long PCR** | |  | |  | |
|  | Primer | | Sequence 5'-3' | | Fragment (bp) | |
|  | cox1laF | | AAYATRCGATGACGAGGRATRCARTTTGA | | *cox1-rrnS* (4K) | |
|  | 12SlaR | | ATAGGCTGCACCTTGATCTGACGTYTT | |  | |
|  | 12SlaF | | CAGTTTGTATACCGTCGTCGTCAGGT | | *rrnS-cob* (4.5K) | |
|  | cobla2R | | GGRTTAGCWGGRATAAARTTYTCWGGRTC | |  | |
|  | cobla2F | | CCYTGAGGTCARATATCYTTYTGAGGRGC | | *cob-trnF* (4.3K) | |
|  | trnF-R | | CACCCTAGCATCTTCAGTGCTATGCTCT | |  | |
|  | cox3la2F | | ATGGCRCGNAATCCTTTTCATTTAGTWGARTT | | *cox3-cox1* (2.5K) | |
|  | cox1laR | | CGAGGAAAAGCYATRTCAGGAGC | |  | |
|  | **Primer Link *cox1*** | | | |  | |
|  | Primer | | Sequence 5'-3' | | Fragment (bp) | |
|  | LCO1490 F | | GGTCAACAAATCATAAAGATATTGG | | *cox1* (709) | |
|  | HCO2198 R | | TTAACTTCAGGGTGACCAAAAAATCA | |  | |
|  |  | |  | |  | |
| *Tomlinia frausseni* | | |  | |  | |
|  | **Long PCR** | |  | |  | |
|  | Primer | | Sequence 5'-3' | | Fragment (bp) | |
|  | cox1laF | | AAYATRCGATGACGAGGRATRCARTTTGA | | *cox1-rrnS* (4K) | |
|  | 12SlaR | | ATAGGCTGCACCTTGATCTGACGTYTT | |  | |
|  | 12SlaF | | CAGTTTGTATACCGTCGTCGTCAGGT | | *rrnS-cob* (4.5K) | |
|  | cobla2R | | GGRTTAGCWGGRATAAARTTYTCWGGRTC | |  | |
|  | cobla2F | | CCYTGAGGTCARATATCYTTYTGAGGRGC | | *cob-trnF* (4.3K) | |
|  | trnF-R | | CACCCTAGCATCTTCAGTGCTATGCTCT | |  | |
|  | cox3la2F | | ATGGCRCGNAATCCTTTTCATTTAGTWGARTT | | *cox3-cox1* (2.5K) | |
|  | cox1laR | | CGAGGAAAAGCYATRTCAGGAGC | |  | |
|  | *cox1* Genbank Acc. No: KY451417 | | | | | |
|  |  | |  | |  | |
| *Nassaria* sp. | | |  | | | |
|  | **Long PCR** | |  | |  | |
|  | Primer | | Sequence 5'-3' | | Fragment (bp) | |
|  | cox1laF | | AAYATRCGATGACGAGGRATRCARTTTGA | | *cox1-rrnS* (4K) | |
|  | 12SlaR | | ATAGGCTGCACCTTGATCTGACGTYTT | |  | |
|  | 12SlaF | | CAGTTTGTATACCGTCGTCGTCAGGT | | *rrnS-cob* (4.4K) | |
|  | coblaR | | GCYCCTCARAARGATATYTGACCTCARGG | |  | |
|  | coblaF | | GAYCCWGARAAYTTTATYCCTGCTAAYCC | | *cob-trnF* (4.0K) | |
|  | trnF-R | | CACCCTAGCATCTTCAGTGCTATGCTCT | |  | |
|  | cox3la2F | | ATGGCRCGNAATCCTTTTCATTTAGTWGARTT | | *cox3-cox1* (2.5K) | |
|  | cox1laR | | CGAGGAAAAGCYATRTCAGGAGC | |  | |
|  | **Primer Link *cox1*** | | | |  | |
|  | Primer | | Sequence 5'-3' | | Fragment (bp) | |
|  | LCO1490 F | | GGTCAACAAATCATAAAGATATTGG | | *cox1* (709) | |
|  | HCO2198 R | | TTAACTTCAGGGTGACCAAAAAATCA | |  | |
| **Primer Link *cytb*** | | | | | | |
|  | Primer | | Sequence 5'-3' | | Fragment (bp) | |
|  | cytbF | | GGWTAYGTWYTWCCWTGRGGWCARAT | | *cytb* (0.5K) | |
|  | cytbR | | GCRTAWGCRAAWARRAARTAYCAYTCWGG | |  | |
|  |  | |  | |  | |
| *Antillophos cf. smithi* | | | | | | |
|  | **Long PCR** | |  | |  | |
|  | Primer | | Sequence 5'-3' | | Fragment (bp) | |
|  | cox1laF | | AAYATRCGATGACGAGGRATRCARTTTGA | | *cox1-rrnS* (4K) | |
|  | 12SlaR | | ATAGGCTGCACCTTGATCTGACGTYTT | |  | |
|  | 12SlaF | | CAGTTTGTATACCGTCGTCGTCAGGT | | *rrnS-cob* (4.5K) | |
|  | cobla2R | | GGRTTAGCWGGRATAAARTTYTCWGGRTC | |  | |
|  | cobla2F | | CCYTGAGGTCARATATCYTTYTGAGGRGC | | *cob-trnF* (4.3K) | |
|  | trnF-R | | CACCCTAGCATCTTCAGTGCTATGCTCT | |  | |
|  | cox3la2F | | ATGGCRCGNAATCCTTTTCATTTAGTWGARTT | | *cox3-cox1* (2.5K) | |
|  | cox1laR | | CGAGGAAAAGCYATRTCAGGAGC | |  | |
|  | **Primer Link *cox1*** | | | |  | |
|  | Primer | | Sequence 5'-3' | | Fragment (bp) | |
|  | LCO1490 F | | GGTCAACAAATCATAAAGATATTGG | | *cox1* (709) | |
|  | HCO2198 R | | TTAACTTCAGGGTGACCAAAAAATCA | |  | |
|  |  | |  | |  | |
| *Phos hirasei* | | | | | | |
|  | **Long PCR** | |  | |  | |
|  | Primer | | Sequence 5'-3' | | Fragment (bp) | |
|  | cox1laF | | AAYATRCGATGACGAGGRATRCARTTTGA | | *cox1-rrnS* (4K) | |
|  | 12SlaR | | ATAGGCTGCACCTTGATCTGACGTYTT | |  | |
|  | 12SlaF | | CAGTTTGTATACCGTCGTCGTCAGGT | | *rrnS-cob* (4.5K) | |
|  | cobla2R | | GGRTTAGCWGGRATAAARTTYTCWGGRTC | |  | |
|  | cobla2F | | CCYTGAGGTCARATATCYTTYTGAGGRGC | | *cob-trnF* (4.3K) | |
|  | trnF-R | | CACCCTAGCATCTTCAGTGCTATGCTCT | |  | |
|  | cox3la2F | | ATGGCRCGNAATCCTTTTCATTTAGTWGARTT | | *cox3-cox1* (2.5K) | |
|  | cox1laR | | CGAGGAAAAGCYATRTCAGGAGC | |  | |
|  | *cox1* Genbank Acc. No:KY451410 | | | |  | |
|  |  | |  | |  | |
| *Phos cf. roseatus* | | | | |  | |
|  | **Long PCR** | |  | |  | |
|  | Primer | | Sequence 5'-3' | | Fragment (bp) | |
|  | cox1laF | | AAYATRCGATGACGAGGRATRCARTTTGA | | *cox1-rrnS* (4K) | |
|  | 12SlaR | | ATAGGCTGCACCTTGATCTGACGTYTT | |  | |
|  | 12SlaF | | CAGTTTGTATACCGTCGTCGTCAGGT | | *rrnS-cob* (4.5K) | |
|  | cobla2R | | GGRTTAGCWGGRATAAARTTYTCWGGRTC | |  | |
|  | cobla2F | | CCYTGAGGTCARATATCYTTYTGAGGRGC | | *cob-trnF* (4.3K) | |
|  | trnF-R | | CACCCTAGCATCTTCAGTGCTATGCTCT | |  | |
|  | cox3la2F | | ATGGCRCGNAATCCTTTTCATTTAGTWGARTT | | *cox3-cox1* (2.5K) | |
|  | cox1laR | | CGAGGAAAAGCYATRTCAGGAGC | |  | |
|  | *cox1* Genbank Acc. No: KY451409 | | | |  | |
|  |  | |  | |  | |
| *Engoniophos unicinctus* | | | | |  | |
|  | **Long PCR** | |  | |  | |
|  | Primer | | Sequence 5'-3' | | Fragment (bp) | |
|  | cox1laF | | AAYATRCGATGACGAGGRATRCARTTTGA | | *cox1-rrnS* (4K) | |
|  | 12SlaR | | ATAGGCTGCACCTTGATCTGACGTYTT | |  | |
|  | 12SlaF | | CAGTTTGTATACCGTCGTCGTCAGGT | | *rrnS-cob* (4.5K) | |
|  | cobla2R | | GGRTTAGCWGGRATAAARTTYTCWGGRTC | |  | |
|  | coblaF | | GAYCCWGARAAYTTTATYCCTGCTAAYCC | | *cob-trnF* (4.0K) | |
|  | trnF-R | | CACCCTAGCATCTTCAGTGCTATGCTCT | |  | |
|  | cox3la2F | | ATGGCRCGNAATCCTTTTCATTTAGTWGARTT | | *cox3-cox1* (2.5K) | |
|  | cox1laR | | CGAGGAAAAGCYATRTCAGGAGC | |  | |
|  | *cox1* Genbank Acc. No: KY451413 | | | |  | |
|  |  | |  | |  | |
| *Naytia glabrata* | | | | |  | |
|  | **Long PCR** | |  | |  | |
|  | Primer | | Sequence 5'-3' | | Fragment (bp) | |
|  | cox1laF | | AAYATRCGATGACGAGGRATRCARTTTGA | | *cox1-rrnS* (4K) | |
|  | 12SlaR | | ATAGGCTGCACCTTGATCTGACGTYTT | |  | |
|  | 12SlaF | | CAGTTTGTATACCGTCGTCGTCAGGT | | *rrnS-cob* (4.5K) | |
|  | cobla2R | | GGRTTAGCWGGRATAAARTTYTCWGGRTC | |  | |
|  | cobla2F | | CCYTGAGGTCARATATCYTTYTGAGGRGC | | *cob-trnF* (4.3K) | |
|  | trnF-R | | CACCCTAGCATCTTCAGTGCTATGCTCT | |  | |
|  | cox3la2F | | ATGGCRCGNAATCCTTTTCATTTAGTWGARTT | | *cox3-cox1* (2.5K) | |
|  | cox1laR | | CGAGGAAAAGCYATRTCAGGAGC | |  | |
|  | *cox1* Genbank Acc. No:KY451307 | | | |  | |
|  |  | |  | |  | |
| *Naytia priscardi* | | | | |  | |
|  | **Long PCR** | |  | |  | |
|  | Primer | | Sequence 5'-3' | | Fragment (bp) | |
|  | cox1laF | | AAYATRCGATGACGAGGRATRCARTTTGA | | *cox1-rrnS* (4K) | |
|  | 12SlaR | | ATAGGCTGCACCTTGATCTGACGTYTT | |  | |
|  | 12SlaF | | CAGTTTGTATACCGTCGTCGTCAGGT | | *rrnS-cob* (4.4K) | |
|  | coblaR | | GCYCCTCARAARGATATYTGACCTCARGG | |  | |
|  | coblaF | | GAYCCWGARAAYTTTATYCCTGCTAAYCC | | *cob-trnF* (4.0K) | |
|  | trnF-R | | CACCCTAGCATCTTCAGTGCTATGCTCT | |  | |
|  | cox3la2F | | ATGGCRCGNAATCCTTTTCATTTAGTWGARTT | | *cox3-cox1* (2.5K) | |
|  | cox1laR | | CGAGGAAAAGCYATRTCAGGAGC | |  | |
|  | *cox1* Genbank Acc. No: KY489424 | | | |  | |
|  | **Primer Link *cytb*** | | | | | |
|  | Primer | | Sequence 5'-3' | | Fragment (bp) | |
|  | cytbF | | GGWTAYGTWYTWCCWTGRGGWCARAT | | *cytb* (0.5K) | |
|  | cytbR | | GCRTAWGCRAAWARRAARTAYCAYTCWGG | |  | |
|  |  | |  | |  | |
| *Phrontis antillarum* | | | | |  | |
|  | **Long PCR** | |  | |  | |
|  | Primer | | Sequence 5'-3' | | Fragment (bp) | |
|  | cox1laF | | AAYATRCGATGACGAGGRATRCARTTTGA | | *cox1-rrnS* (4K) | |
|  | 12SlaR | | ATAGGCTGCACCTTGATCTGACGTYTT | |  | |
|  | 12SlaF | | CAGTTTGTATACCGTCGTCGTCAGGT | | *rrnS-cob* (4.5K) | |
|  | cobla2R | | GGRTTAGCWGGRATAAARTTYTCWGGRTC | |  | |
|  | cobla2F | | CCYTGAGGTCARATATCYTTYTGAGGRGC | | *cob-trnF* (4.3K) | |
|  | trnF-R | | CACCCTAGCATCTTCAGTGCTATGCTCT | |  | |
|  | cox3la2F | | ATGGCRCGNAATCCTTTTCATTTAGTWGARTT | | *cox3-cox1* (2.5K) | |
|  | cox1laR | | CGAGGAAAAGCYATRTCAGGAGC | |  | |
|  | *cox1* Genbank Acc. No: KY451258 | | | |  | |
|  |  | |  | |  | |
| *Phrontis vibex* | | | | |  | |
|  | **Long PCR** | |  | |  | |
|  | Primer | | Sequence 5'-3' | | Fragment (bp) | |
|  | cox1laF | | AAYATRCGATGACGAGGRATRCARTTTGA | | *cox1-rrnS* (4K) | |
|  | 12SlaR | | ATAGGCTGCACCTTGATCTGACGTYTT | |  | |
|  | 12SlaF | | CAGTTTGTATACCGTCGTCGTCAGGT | | *rrnS-cob* (4.5K) | |
|  | cobla2R | | GGRTTAGCWGGRATAAARTTYTCWGGRTC | |  | |
|  | cobla2F | | CCYTGAGGTCARATATCYTTYTGAGGRGC | | *cob-trnF* (4.3K) | |
|  | trnF-R | | CACCCTAGCATCTTCAGTGCTATGCTCT | |  | |
|  | cox3la2F | | ATGGCRCGNAATCCTTTTCATTTAGTWGARTT | | *cox3-cox1* (2.5K) | |
|  | cox1laR | | CGAGGAAAAGCYATRTCAGGAGC | |  | |
|  | *cox1* Genbank Acc. No: KY451402 | | | |  | |
|  |  | |  | |  | |
| *Phrontis candidissima* | | | | |  | |
|  | **Long PCR** | |  | |  | |
|  | Primer | | Sequence 5'-3' | | Fragment (bp) | |
|  | cox1laF | | AAYATRCGATGACGAGGRATRCARTTTGA | | *cox1-rrnS* (4K) | |
|  | 12SlaR | | ATAGGCTGCACCTTGATCTGACGTYTT | |  | |
|  | 12SlaF | | CAGTTTGTATACCGTCGTCGTCAGGT | | *rrnS-cob* (4.5K) | |
|  | cobla2R | | GGRTTAGCWGGRATAAARTTYTCWGGRTC | |  | |
|  | cobla2F | | CCYTGAGGTCARATATCYTTYTGAGGRGC | | *cob-trnF* (4.3K) | |
|  | trnF-R | | CACCCTAGCATCTTCAGTGCTATGCTCT | |  | |
|  | cox3la2F | | ATGGCRCGNAATCCTTTTCATTTAGTWGARTT | | *cox3-cox1* (2.5K) | |
|  | cox1laR | | CGAGGAAAAGCYATRTCAGGAGC | |  | |
|  | *cox1* Genbank Acc. No: KY451269 | | | |  | |
|  |  | |  | |  | |
| *Phrontis alba* | | | | |  | |
|  | **Long PCR** | |  | |  | |
|  | Primer | | Sequence 5'-3' | | Fragment (bp) | |
|  | cox1laF | | AAYATRCGATGACGAGGRATRCARTTTGA | | *cox1-rrnS* (4K) | |
|  | 12SlaR | | ATAGGCTGCACCTTGATCTGACGTYTT | |  | |
|  | 12SlaF | | CAGTTTGTATACCGTCGTCGTCAGGT | | *rrnS-cob* (4.5K) | |
|  | cobla2R | | GGRTTAGCWGGRATAAARTTYTCWGGRTC | |  | |
|  | cobla2F | | CCYTGAGGTCARATATCYTTYTGAGGRGC | | *cob-trnF* (4.3K) | |
|  | trnF-R | | CACCCTAGCATCTTCAGTGCTATGCTCT | |  | |
|  | cox3la2F | | ATGGCRCGNAATCCTTTTCATTTAGTWGARTT | | *cox3-cox1* (2.5K) | |
|  | cox1laR | | CGAGGAAAAGCYATRTCAGGAGC | |  | |
|  | *cox1* Genbank Acc. No: KY451256 | | | |  | |
|  |  | |  | |  | |
| *Phrontis luteostoma* | | | | |  | |
| **Long PCR** | |  | |  | |
| Primer | | Sequence 5'-3' | | Fragment (bp) | |
| cox1laF | | AAYATRCGATGACGAGGRATRCARTTTGA | | *cox1-rrnS* (4K) | |
| 12SlaR | | ATAGGCTGCACCTTGATCTGACGTYTT | |  | |
| 12SlaF | | CAGTTTGTATACCGTCGTCGTCAGGT | | *rrnS-cob* (4.5K) | |
| cobla2R | | GGRTTAGCWGGRATAAARTTYTCWGGRTC | |  | |
| cobla2F | | CCYTGAGGTCARATATCYTTYTGAGGRGC | | *cob-trnF* (4.3K) | |
| trnF-R | | CACCCTAGCATCTTCAGTGCTATGCTCT | |  | |
| cox3la2F | | ATGGCRCGNAATCCTTTTCATTTAGTWGARTT | | *cox3-cox1* (2.5K) | |
| cox1laR | | CGAGGAAAAGCYATRTCAGGAGC | |  | |
| *cox1* Genbank Acc. No: KY451328 | | | |  | |

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| *Buccinanops deformis* | | |  | |
| **Long PCR** |  |  | |
| Primer | Sequence 5'-3' | Fragment (bp) | |
| cox1laF | AAYATRCGATGACGAGGRATRCARTTTGA | *cox1-rrnS* (4K) | |
| 12SlaR | ATAGGCTGCACCTTGATCTGACGTYTT |  | |
| 12SlaF | CAGTTTGTATACCGTCGTCGTCAGGT | *rrnS-cob* (4.5K) | |
| cobla2R | GGRTTAGCWGGRATAAARTTYTCWGGRTC |  | |
| cobla2F | CCYTGAGGTCARATATCYTTYTGAGGRGC | *cob-trnF* (4.3K) | |
| trnF-R | CACCCTAGCATCTTCAGTGCTATGCTCT |  | |
| cox3la2F | ATGGCRCGNAATCCTTTTCATTTAGTWGARTT | *cox3-cox1* (2.5K) | |
| cox1laR | CGAGGAAAAGCYATRTCAGGAGC |  | |
| *cox1* Genbank Acc. No: KY451220 | |  | |

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| *Belomitra viridis* | | |  | |
| **Long PCR** |  |  | |
| Primer | Sequence 5'-3' | Fragment (bp) | |
| cox1laF | AAYATRCGATGACGAGGRATRCARTTTGA | *cox1-rrnS* (4K) | |
| 12SlaR | ATAGGCTGCACCTTGATCTGACGTYTT |  | |
| 12SlaF | CAGTTTGTATACCGTCGTCGTCAGGT | *rrnS-cob* (4.5K) | |
| cobla2R | GGRTTAGCWGGRATAAARTTYTCWGGRTC |  | |
| cobla2F | CCYTGAGGTCARATATCYTTYTGAGGRGC | *cob-trnF* (4.3K) | |
| trnF-R | CACCCTAGCATCTTCAGTGCTATGCTCT |  | |
| cox3la2F | ATGGCRCGNAATCCTTTTCATTTAGTWGARTT | *cox3-cox1* (2.5K) | |
| cox1laR | CGAGGAAAAGCYATRTCAGGAGC |  | |
| **Primer Link *cox1*** | |  | |
| Primer | Sequence 5'-3' | Fragment (bp) | |
| LCO1490 F | GGTCAACAAATCATAAAGATATTGG | *cox1* (709) | |
| HCO2198 R | TTAACTTCAGGGTGACCAAAAAATCA |  | |
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| *Clivipollia cf. incarnata* | | | |  | |
| **Long PCR** |  | |  | |
| Primer | Sequence 5'-3' | | Fragment (bp) | |
| cox1laF | AAYATRCGATGACGAGGRATRCARTTTGA | | *cox1-rrnS* (4K) | |
| 12SlaR | ATAGGCTGCACCTTGATCTGACGTYTT | |  | |
| 12SlaF | CAGTTTGTATACCGTCGTCGTCAGGT | | *rrnS-cob* (4.5K) | |
| cobla2R | GGRTTAGCWGGRATAAARTTYTCWGGRTC | |  | |
| cobla2F | CCYTGAGGTCARATATCYTTYTGAGGRGC | | *cob-trnF* (4.3K) | |
| trnF-R | CACCCTAGCATCTTCAGTGCTATGCTCT | |  | |
| cox3la2F | ATGGCRCGNAATCCTTTTCATTTAGTWGARTT | | *cox3-cox1* (2.5K) | |
| cox1laR | CGAGGAAAAGCYATRTCAGGAGC | |  | |
| **Primer Link *cox1*** | | |  | |
| Primer | | Sequence 5'-3' | Fragment (bp) | |
| LCO1490 F | | GGTCAACAAATCATAAAGATATTGG | *cox1* (709) | |
| HCO2198 R | | TTAACTTCAGGGTGACCAAAAAATCA |  | |

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| *Cosmioconcha nitens* | | |  | |
| **Long PCR** |  |  | |
| Primer | Sequence 5'-3' | Fragment (bp) | |
| cox1laF | AAYATRCGATGACGAGGRATRCARTTTGA | *cox1-rrnS* (4K) | |
| 12SlaR | ATAGGCTGCACCTTGATCTGACGTYTT |  | |
| 12SlaF | CAGTTTGTATACCGTCGTCGTCAGGT | *rrnS-cob* (4.5K) | |
| cobla2R | GGRTTAGCWGGRATAAARTTYTCWGGRTC |  | |
| cobla2F | CCYTGAGGTCARATATCYTTYTGAGGRGC | *cob-trnF* (4.3K) | |
| trnF-R | CACCCTAGCATCTTCAGTGCTATGCTCT |  | |
| cox3la2F | ATGGCRCGNAATCCTTTTCATTTAGTWGARTT | *cox3-cox1* (2.5K) | |
| cox1laR | CGAGGAAAAGCYATRTCAGGAGC |  | |
| *cox1* Genbank Acc. No: KX422209 | |  | |

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| *Turrilatirus lautus* | | | |  | |
| **Long PCR** |  | |  | |
| Primer | Sequence 5'-3' | | Fragment (bp) | |
| cox1laF | AAYATRCGATGACGAGGRATRCARTTTGA | | *cox1-rrnS* (4K) | |
| 12SlaR | ATAGGCTGCACCTTGATCTGACGTYTT | |  | |
| 12SlaF | CAGTTTGTATACCGTCGTCGTCAGGT | | *rrnS-cob* (4.5K) | |
| cobla2R | GGRTTAGCWGGRATAAARTTYTCWGGRTC | |  | |
| cobla2F | CCYTGAGGTCARATATCYTTYTGAGGRGC | | *cob-trnF* (4.3K) | |
| trnF-R | CACCCTAGCATCTTCAGTGCTATGCTCT | |  | |
| cox3la2F | ATGGCRCGNAATCCTTTTCATTTAGTWGARTT | | *cox3-cox1* (2.5K) | |
| cox1laR | CGAGGAAAAGCYATRTCAGGAGC | |  | |
| **Primer Link *cox1*** | | |  | |
| Primer | | Sequence 5'-3' | Fragment (bp) | |
| LCO1490 F | | GGTCAACAAATCATAAAGATATTGG | *cox1* (709) | |
| HCO2198 R | | TTAACTTCAGGGTGACCAAAAAATCA |  | |
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| *Peristernia nassatula* | | |  | |
| **Long PCR** |  |  | |
| Primer | Sequence 5'-3' | Fragment (bp) | |
| cox1laF | AAYATRCGATGACGAGGRATRCARTTTGA | *cox1-rrnS* (4K) | |
| 12SlaR | ATAGGCTGCACCTTGATCTGACGTYTT |  | |
| 12SlaF | CAGTTTGTATACCGTCGTCGTCAGGT | *rrnS-cob* (4.5K) | |
| cobla2R | GGRTTAGCWGGRATAAARTTYTCWGGRTC |  | |
| cobla2F | CCYTGAGGTCARATATCYTTYTGAGGRGC | *cob-trnF* (4.3K) | |
| trnF-R | CACCCTAGCATCTTCAGTGCTATGCTCT |  | |
| cox3la2F | ATGGCRCGNAATCCTTTTCATTTAGTWGARTT | *cox3-cox1* (2.5K) | |
| cox1laR | CGAGGAAAAGCYATRTCAGGAGC |  | |
| *cox1* Genbank Acc. No: KT753957 | |  | |

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| *Peristernia marquesana* | | |  | |
| **Long PCR** |  |  | |
| Primer | Sequence 5'-3' | Fragment (bp) | |
| cox1laF | AAYATRCGATGACGAGGRATRCARTTTGA | *cox1-rrnS* (4K) | |
| 12SlaR | ATAGGCTGCACCTTGATCTGACGTYTT |  | |
| 12SlaF | CAGTTTGTATACCGTCGTCGTCAGGT | *rrnS-cob* (4.5K) | |
| cobla2R | GGRTTAGCWGGRATAAARTTYTCWGGRTC |  | |
| cobla2F | CCYTGAGGTCARATATCYTTYTGAGGRGC | *cob-trnF* (4.3K) | |
| trnF-R | CACCCTAGCATCTTCAGTGCTATGCTCT |  | |
| cox3la2F | ATGGCRCGNAATCCTTTTCATTTAGTWGARTT | *cox3-cox1* (2.5K) | |
| cox1laR | CGAGGAAAAGCYATRTCAGGAGC |  | |
| *cox1* Genbank Acc. No: KT753914 | |  | |

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| *Turrilatirus turritus* | | |  | |
| **Long PCR** |  |  | |
| Primer | Sequence 5'-3' | Fragment (bp) | |
| cox1laF | AAYATRCGATGACGAGGRATRCARTTTGA | *cox1-rrnS* (4K) | |
| 12SlaR | ATAGGCTGCACCTTGATCTGACGTYTT |  | |
| 12SlaF | CAGTTTGTATACCGTCGTCGTCAGGT | *rrnS-cob* (4.5K) | |
| cobla2R | GGRTTAGCWGGRATAAARTTYTCWGGRTC |  | |
| cobla2F | CCYTGAGGTCARATATCYTTYTGAGGRGC | *cob-trnF* (4.3K) | |
| trnF-R | CACCCTAGCATCTTCAGTGCTATGCTCT |  | |
| cox3la2F | ATGGCRCGNAATCCTTTTCATTTAGTWGARTT | *cox3-cox1* (2.5K) | |
| cox1laR | CGAGGAAAAGCYATRTCAGGAGC |  | |
| *cox1* Genbank Acc. No: KT753981 | |  | |

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| *Fasciolaria tulipa* | | |  | |
| **Long PCR** |  |  | |
| Primer | Sequence 5'-3' | Fragment (bp) | |
| cox1laF | AAYATRCGATGACGAGGRATRCARTTTGA | *cox1-rrnS* (4K) | |
| 12SlaR | ATAGGCTGCACCTTGATCTGACGTYTT |  | |
| 12SlaF | CAGTTTGTATACCGTCGTCGTCAGGT | *rrnS-cob* (4.5K) | |
| cobla2R | GGRTTAGCWGGRATAAARTTYTCWGGRTC |  | |
| cobla2F | CCYTGAGGTCARATATCYTTYTGAGGRGC | *cob-trnF* (4.3K) | |
| trnF-R | CACCCTAGCATCTTCAGTGCTATGCTCT |  | |
| cox3la2F | ATGGCRCGNAATCCTTTTCATTTAGTWGARTT | *cox3-cox1* (2.5K) | |
| cox1laR | CGAGGAAAAGCYATRTCAGGAGC |  | |
| *cox1* Genbank Acc. No: KT753954 | |  | |

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| *Crassicantharus noumeensis* | | |  | |
| **Long PCR** |  |  | |
| Primer | Sequence 5'-3' | Fragment (bp) | |
| cox1laF | AAYATRCGATGACGAGGRATRCARTTTGA | *cox1-rrnS* (4K) | |
| 12SlaR | ATAGGCTGCACCTTGATCTGACGTYTT |  | |
| 12SlaF | CAGTTTGTATACCGTCGTCGTCAGGT | *rrnS-cob* (4.5K) | |
| cobla2R | GGRTTAGCWGGRATAAARTTYTCWGGRTC |  | |
| cobla2F | CCYTGAGGTCARATATCYTTYTGAGGRGC | *cob-trnF* (4.3K) | |
| trnF-R | CACCCTAGCATCTTCAGTGCTATGCTCT |  | |
| cox3la2F | ATGGCRCGNAATCCTTTTCATTTAGTWGARTT | *cox3-cox1* (2.5K) | |
| cox1laR | CGAGGAAAAGCYATRTCAGGAGC |  | |
| *cox1* Genbank Acc. No: KT753998 | |  | |

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| *Aplus scacchianus* | | | |  | |
| **Long PCR** |  | |  | |
| Primer | Sequence 5'-3' | | Fragment (bp) | |
| cox1laF | AAYATRCGATGACGAGGRATRCARTTTGA | | *cox1-rrnS* (4K) | |
| 12SlaR | ATAGGCTGCACCTTGATCTGACGTYTT | |  | |
| 12SlaF | CAGTTTGTATACCGTCGTCGTCAGGT | | *rrnS-cob* (4.5K) | |
| cobla2R | GGRTTAGCWGGRATAAARTTYTCWGGRTC | |  | |
| cobla2F | CCYTGAGGTCARATATCYTTYTGAGGRGC | | *cob-trnF* (4.3K) | |
| trnF-R | CACCCTAGCATCTTCAGTGCTATGCTCT | |  | |
| cox3la2F | ATGGCRCGNAATCCTTTTCATTTAGTWGARTT | | *cox3-cox1* (2.5K) | |
| cox1laR | CGAGGAAAAGCYATRTCAGGAGC | |  | |
| **Primer Link *cox1*** | | |  | |
| Primer | | Sequence 5'-3' | Fragment (bp) | |
| LCO1490 F | | GGTCAACAAATCATAAAGATATTGG | *cox1* (709) | |
| HCO2198 R | | TTAACTTCAGGGTGACCAAAAAATCA |  | |