Supplementary Table S1. Primers used for cytb, 12S and COIII segments amplified from both captured and museum specimen octopuses

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| --- | --- | --- | --- | --- | --- |
| **Gene** | **Segment** | **Forward** | **Reverse** | **Anneal**  **Temp (°C)** | **Amplicon**  **Length** |
| cytb | 1 | TATGTACTACCATGAGGACAAATATC | CGACTTAATGTTGCATTATCAACAG | 64 | 139 |
|  | 2 | GTTTATTGAATTTGAGGAGGATTTTC | CTAAATCTCTATTTAACCCTAAAGG | 60 | 165 |
|  | 3 | TTTTGTTTCTTCATGAAATCGGTTC | CTGCATCCCCTAAAATATTAGG | 58 | 170 |
|  | 4 | TATCATAGGTTTAAAGATGTATTAGG | GCATAAGCAAACAAAAAATATCATTC | 62 | 166 |
|  | 5 | GTTGAGTTAAGATTATTATTTCC | ATTACACCTCCTAATTTATTAGGAAT | 55 | 157 |
| 12s | 1 | GTTTAAAACGAGGATCATGAAATC | AGACTAGGATTAGAGACCCTATTA | 60 | 157 |
|  | 2 | GCTGCATTATGACTTAACATAAAAATC | GGCGGTTTTACATATCCAATTAGG | 66 | 180 |
|  | 3 | ACTATTAAGTCCACCTTTCTAATAA | ATACAGTTTGTATATTGCTGTCG | 60 | 185 |
|  | 4 | AAGAGCGACGGGCGATATGTA | GATTTTTATGTTAAGTCATAATGCAGC | 60 | 184 |
| COIII | 1 | CAATGATGACGAGATATTATCCG | CTCCAATATCTATATTGGGAGC | 55 | 174 |
|  | 2 | GTTTATAATGGTTTACGATGAGG | GTATTTAAGAGAGGAATTTGAAATGG | 60 | 178 |
|  | 3 | GATATTGGAGCTTGTTGACCTC | CCTAGTATAATGGTAATAATTATAGAGTG | 55 | 178 |
|  | 4 | CTGGAGTATCTGTAACTTGAGC | TTGAGCCATAAATTCTATCTGAGATAG | 62 | 167 |
|  | 5 | TACAAATAATAGAATATATTGAAGCATC | ATTACATGAAGTCCGTGAAATCC | 60 | 99 |
|  | 6 | CAACTTTTTTTGTAGCTACAGG | TCAACAAAGTGTCAGTATCA | 55 | 153 |