**Table S1.** Primers used to amplify mitochondrial and nuclear markers. Most individuals (~ 80%) amplified *COII* successfully with primer combination Ringo/B–tLYS. The remaining ones required other combinations of forward (F) and reverse (R) primers. (1) Refers to the position of the primer’s 3’ base on the *Drosophila yakuba* GenBank X03240 (*COI* and *COII*) mtDNA genome. (2) The original sequence of primer Pat (Simon et al. 1994) is 5’TCCAATGCACTAATCTGCCATATTA3’, which is different from primer Pat\* used in this study. There are therefore at least two different primers with the same name and both appear to be popular. We have been unable to find the original reference for primer Pat\*.

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| --- | --- | --- | --- | --- |
| **Gene** | **Primer** | **3’ Position1** | **Sequence (5’ – 3’)** | **Reference** |
| ***COI*** | LCO | 1514 | GGTCAACAAATCATAAAGATATTGG | Folmer et al. 1994 |
| HCO | 2173 | TAAACTTCAGGGTGACCAAAAAATCA | Folmer et al. 1994 |
| ***COI*** | Jerry | 2183 | CAACAYTTATTTTGATTTTTTGG | Simon et al. 1994 |
| Pat\* 2 | 3014 | ATCCATTACATATAATCTGCCATA | ? 2 |
| ***COII*** | F: Ringo | 3039 | AATATGGCAGATTATATGTAATGGAT | This study |
| F: Lennon | 3091 | TTAGAAATGGCAACATGATC | This study |
| R: McCartney | 3768 | CTTGCTTTCAGTCATCTAATG | This study |
| R: Eva | 3772 | GAGACCATTACTTGCTTTCAGTCATCT | Bogdanowicz et al. 1993 |
| R: B–tLYS | 3784 | GGTTTAAGAGACCAGTACTTGC | Liu & Beckenbach 1992 |
| ***GAPDH*** | HybFrigga | – | taatacgactcactatagggAARGCTGGRGCTGAATATG | http://nymphalidae.utu.fi/Nymphalidae/Molecular.htm |
| HybBurre | – | attaaccctcactaaagGWTTGAATGTACTTGATRAGRTC | http://nymphalidae.utu.fi/Nymphalidae/Molecular.htm |
| Sequencing primer F | – | TAATACGACTCACTATAGGG | http://nymphalidae.utu.fi/Nymphalidae/Molecular.htm |
| Sequencing primer R | – | ATTAACCCTCACTAAAG | http://nymphalidae.utu.fi/Nymphalidae/Molecular.htm |