**Table S2**. Primers used in this study.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Target  taxa | Primer name | Primer sequence (5'-3') | Annealing temperature [°C] | Metabarcode  size [bp] | Reference |
| Aves | *Aves02\_F* | GAAAATGTAGCCCATTTCTTCC | 56 | 66-86 | [(Taberlet et al., 2018)](https://www.zotero.org/google-docs/?vcW8Gr) |
| *Aves02\_Cyan\_F* | GAAAATGTAGCCCATTACTGCC | This study, modified from [(Taberlet et al., 2018)](https://www.zotero.org/google-docs/?ls6HTV) |
| *Aves02\_Parus\_F* | GAAAATGTAGCCCATTGCTGCC | This study, modified from [(Taberlet et al., 2018)](https://www.zotero.org/google-docs/?G365N9) |
| *Aves02\_R* | CATACCGCCGTCGCCAG | [(Taberlet et al., 2018)](https://www.zotero.org/google-docs/?8sD3VB) |
| *Vert01\_R* | TAGAACAGGCTCCTCTAG | [(Riaz et al., 2011)](https://www.zotero.org/google-docs/?zWFhtX) |
| Culicidae | *Culi01\_F* | ACGCTGTTATCCCTAAGGTAACTTA | 60 | 144-147 | [(Schneider et al., 2016)](https://www.zotero.org/google-docs/?UtH1sM) |
| *Culi01\_R* | GACGAGAAGACCCTATAGATCTTTAT | [(Schneider et al., 2016)](https://www.zotero.org/google-docs/?nhyBm1) |
| *Plasmodium* | *Plas01\_F* | TATGGGATAWTTGTARTACACC | 55 | 37-44 | This study |
| *Plas01\_R* | CCAGGCATGCAATACCGA | This study |