

Supplementary information S2 for Dietary analysis reveals differences in the prey use of two sympatric bat species

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Percentage of occurrence data

| 16S | |
|-------------|-----------------|
| Murina | Myotis |
| ussuriensis | ikonnikovi |
| | Count of |
| 54 | 76 occurrences |
| | Sum of |
| 88 | 140 occurrences |
| | Number or |
| 43 | 39 samples |

| COI | |
|--------------------|--------------------------|
| Murina ussuriensis | Myotis ikonnikovi |
| | 180 Count of occurrences |
| | 234 Sum of occurrences |
| | 49 Number of samples |

| Fusion | |
|-------------|-----------------|
| Murina | Myotis |
| ussuriensis | ikonnikovi |
| | Count of |
| 234 | 340 occurrences |
| | Sum of |
| 322 | 614 occurrences |
| | Number or |
| 53 | 45 samples |

| Primer | Class | Order | Family | Subfamily | Genus | Species | BIN | Percentage of occurrence | | Number of samples where prey item occurred | |
|--------|------------|------------|-----------------|---------------|-------------------|------------------|---------------|--------------------------|---------------|--|---------------|
| | | | | | | | | M. ussuriensis | M. ikonnikovi | M. ussuriensis | M. ikonnikovi |
| COI | Arachnida | Araneae | Lycosidae | NA | Pardosa | | BOLD:ABA5238 | 0.009 | 0 | 3 | 0 |
| COI | Arachnida | Araneae | Salticidae | | | | BOLD:AAV1597 | 0.003 | 0 | 1 | 0 |
| COI | Arachnida | Araneae | Salticidae | | | | GBCH10991-13 | 0.003 | 0 | 1 | 0 |
| COI | Arachnida | Araneae | Salticidae | | | | BOLD:ACH5240 | 0.003 | 0 | 1 | 0 |
| COI | Collembola | Sympyleona | Bourletiellidae | NA | Deuterosminthurus | | BOLD:AAB7915 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Blattodea | Ectobiidae | Ectobiinae | | | BOLD:ACI8100 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Coleoptera | Carabidae | | | | BOLD:AAZ4621 | 0.006 | 0 | 2 | 0 |
| COI | Insecta | Coleoptera | Coccinellidae | | | | BOLD:ACP4109 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Coleoptera | Cantharidae | Cantharinae | Podabrus | | BOLD:ACD6222 | 0 | 0.0049 | 0 | 3 |
| COI | Insecta | Coleoptera | Cantharidae | Cantharinae | Podabrus | | BOLD:ACD6257 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Coleoptera | Carabidae | Harpalinae | | | BOLD:ABX4019 | 0.003 | 0.0016 | 1 | 1 |
| COI | Insecta | Coleoptera | Carabidae | Carabinae | Carabus | | BOLD:ABY6003 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Coleoptera | Carabidae | Harpalinae | Pterostichus | oblongopunctatus | BOLD:ABY4764 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Coleoptera | Cerambycidae | Lamiinae | Monochamus | | BOLD: AAC3388 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Coleoptera | Chrysomelidae | Chrysomelinae | | | BOLD: AAC0432 | 0.006 | 0.0016 | 2 | 1 |
| COI | Insecta | Coleoptera | Cryptophagidae | Atomariinae | Atomaria | turgida | BOLD: AAJ9463 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Coleoptera | Curculionidae | Entiminae | Polydrusus | | BOLD: ACO8630 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Coleoptera | Hydrophilidae | Hydrophilinae | Enochrus | | BOLD: AAF0204 | 0.003 | 0 | 1 | 0 |

| Primer | Class | Order | Family | Subfamily | Genus | Species | BIN | M. ussuriensis | M. ikonnikovi | M. ussuriensis | M. ikonnikovi |
|--------|---------|------------|----------------|---------------|----------------|------------|--------------|----------------|---------------|----------------|---------------|
| COI | Insecta | Coleoptera | Nitidulidae | Nitidulinae | Cychramus | variegatus | BOLD:ABW4745 | 0 | 0.0033 | 0 | 2 |
| COI | Insecta | Coleoptera | Staphylinidae | Euaesthetinae | Euaesthetus | | BOLD:ACG9244 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Anthomyiidae | | | | BOLD:AAG2490 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Tachinidae | Exoristinae | | | BOLD:AAI6325 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Diptera | Tipulidae | Tipulinae | Tipula | | BOLD:AAN5045 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Tipulidae | Tipulinae | Tipula | | BOLD:AAN9029 | 0.003 | 0.0033 | 1 | 2 |
| COI | Insecta | Diptera | Limoniidae | Chioneinae | Teucholabis | | BOLD:AAV2508 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Limoniidae | Chioneinae | | | BOLD:ABA4102 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Cecidomyiidae | | | | BOLD:ABV2094 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Diptera | Limoniidae | | | | BOLD:ABX4369 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Limoniidae | Limoniinae | Libnotes | | BOLD:ABY2385 | 0 | 0.0033 | 0 | 2 |
| COI | Insecta | Diptera | Syrphidae | Eristalinae | | | BOLD:ABY2389 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Tipulidae | Tipulinae | Tipula | | BOLD:ABY5691 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Diptera | Phoridae | | | | BOLD:ACA3150 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Diptera | Tachinidae | Tachininae | Nemoraea | takanoi | BOLD:ACA7375 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Diptera | Chironomidae | Chironominae | Glyptotendipes | | BOLD:ACE3296 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Tachinidae | | | | BOLD:ACF0578 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Diptera | Tipulidae | Tipulinae | Tipula | | BOLD:ACF0878 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Phoridae | | | | BOLD:ACF6080 | 0.012 | 0.0049 | 4 | 3 |
| COI | Insecta | Diptera | Sphaeroceridae | Limosininae | Rachispoda | | BOLD:ACK2192 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Chironomidae | | | | BOLD:ACK8680 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Sciaridae | | | | BOLD:ACM6077 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Simuliidae | | | | BOLD:ACM8222 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Limoniidae | | | | BOLD:ACN0178 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Limoniidae | | | | BOLD:ACN0238 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Mycetophilidae | | | | BOLD:ACN0859 | 0 | 0.0049 | 0 | 3 |
| COI | Insecta | Diptera | Calliphoridae | | | | BOLD:ACN1515 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Diptera | Psychodidae | | | | BOLD:ACN3276 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Drosophilidae | | | | BOLD:ACN4805 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | | | | | BOLD:ACN5240 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Limoniidae | | | | BOLD:ACN5325 | 0 | 0.0033 | 0 | 2 |
| COI | Insecta | Diptera | Phoridae | | | | BOLD:ACO0272 | 0.006 | 0 | 2 | 0 |
| COI | Insecta | Diptera | Chironomidae | | | | BOLD:ACO4488 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | | | | | BOLD:ACP6542 | 0 | 0.0033 | 0 | 2 |
| COI | Insecta | Diptera | Chloropidae | | | | BOLD:ACR0489 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Muscidae | | | | BOLD:ACT7328 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Sciariidae | | | | BOLD:ACU8386 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Muscidae | Phaoniinae | Helina | | BOLD:ACV2533 | 0 | 0.0016 | 0 | 1 |

| Primer | Class | Order | Family | Subfamily | Genus | Species | BIN | M. ussuriensis | M. ikonnikovi | M. ussuriensis | M. ikonnikovi |
|--------|---------|---------|-----------------|-----------------|----------------------|------------|--------------|----------------|---------------|----------------|---------------|
| COI | Insecta | Diptera | Psychodidae | | | | BOLD:ACW2931 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Agromyzidae | | | | BOLD:AAV4874 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Anthomyiidae | Anthomyiinae | Botanophila | | BOLD:AAG2502 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Anthomyiidae | Anthomyiinae | Lasiomma | | BOLD:ACK1581 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Diptera | Anthomyiidae | Anthomyiinae | Delia | platura | BOLD:AAG2511 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Diptera | Anthomyiidae | Anthomyiinae | Botanophila | profuga | BOLD:ACP6334 | 0.003 | 0.0033 | 1 | 2 |
| COI | Insecta | Diptera | Bolitophilidae | NA | Bolitophila | | BOLD:AAM9007 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Cecidomyiidae | | | | BOLD:ACP9491 | 0.006 | 0 | 2 | 0 |
| COI | Insecta | Diptera | Cecidomyiidae | | | | BOLD:ACU9836 | 0 | 0.0033 | 0 | 2 |
| COI | Insecta | Diptera | Cecidomyiidae | Cecidomyiinae | Feltiella | acarisuga | BOLD:ACD4136 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Diptera | Chamaemyiidae | | | | BOLD:ACC5885 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Chironomidae | Diamesinae | Diamesa | | BOLD:AAB5106 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Chironomidae | Orthocladiinae | Heterotrichoscladius | marcidus | BOLD:AAF2163 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Chironomidae | Orthocladiinae | Eukiefferiella | | BOLD:AAI5126 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Diptera | | | | | BOLD:ACQ9269 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Chironomidae | Orthocladiinae | Cricotopus | bicinctus | BOLD:AAT9677 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Diptera | Chironomidae | | | | BOLD:ACB8882 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Chironomidae | | | | BOLD:ACF6427 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Diptera | Chironomidae | Diamesinae | | | BOLD:ACK5496 | 0 | 0.0033 | 0 | 2 |
| COI | Insecta | Diptera | Chloropidae | Oscinellinae | | | BOLD:AAN5657 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Chloropidae | | | | BOLD:ADC9928 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Diptera | Culicidae | Culicinae | | | BOLD:AAF2904 | 0.003 | 0.0016 | 1 | 1 |
| COI | Insecta | Diptera | Culicidae | Culicinae | Culex | orientalis | BOLD:ACB9306 | 0.009 | 0.0212 | 3 | 13 |
| COI | Insecta | Diptera | Culicidae | Culicinae | Culex | | BOLD:AAA4751 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Diptera | Cylindrotomidae | Cylindrotominae | Cylindrotoma | | BOLD:AAD0770 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Drosophilidae | Drosophilinae | Drosophila | | BOLD:AAV0127 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Drosophilidae | Drosophilinae | Drosophila | | BOLD:ADH1432 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Drosophilidae | Steganinae | Leucophenga | | BOLD:ACA1411 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Ephydriidae | | | | BOLD:ACS0447 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Hybotidae | Tachydromiinae | Chersodromia | | BOLD:ACJ9160 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Diptera | Keroplatidae | | | | BOLD:AAG4943 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Limoniidae | Limoniinae | Antocha | bifida | BOLD:AAW5955 | 0.003 | 0.0114 | 1 | 7 |
| COI | Insecta | Diptera | Limoniidae | Limoniinae | Dicranomyia | frontalis | BOLD:ABA5203 | 0 | 0.0033 | 0 | 2 |
| COI | Insecta | Diptera | Limoniidae | Limoniinae | Dicranomyia | | BOLD:ABW0212 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Limoniidae | | | | BOLD:ABV4791 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Limoniidae | | | | BOLD:ACS9407 | 0.006 | 0.0049 | 2 | 3 |
| COI | Insecta | Diptera | Limoniidae | Limoniinae | Discobola | | BOLD:ABW4922 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Limoniidae | Limoniinae | Libnotes | | BOLD:ABW9478 | 0 | 0.0016 | 0 | 1 |

| Primer | Class | Order | Family | Subfamily | Genus | Species | BIN | M. ussuriensis | M. ikonnikovi | M. ussuriensis | M. ikonnikovi |
|--------|---------|---------|----------------|----------------|--------------|-------------|--------------|----------------|---------------|----------------|---------------|
| COI | Insecta | Diptera | Limoniidae | Limoniinae | Dicranomyia | | BOLD:AAO3939 | 0 | 0.0033 | 0 | 2 |
| COI | Insecta | Diptera | Limoniidae | Limoniinae | Dicranomyia | | FINT1487-12 | 0 | 0.0049 | 0 | 3 |
| COI | Insecta | Diptera | Limoniidae | Limoniinae | Metalimnobia | | BOLD:ABU9381 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Limoniidae | Limoniinae | Metalimnobia | | BOLD:AAX5093 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Limoniidae | Limoniinae | Rhipidia | maculata | BOLD:ACB7799 | 0 | 0.0049 | 0 | 3 |
| COI | Insecta | Diptera | Lonchopteridae | NA | Lonchoptera | | BOLD:ACB6694 | 0.003 | 0.0016 | 1 | 1 |
| COI | Insecta | Diptera | Muscidae | | | | BOLD:AAG1765 | 0 | 0.0033 | 0 | 2 |
| COI | Insecta | Diptera | Muscidae | | | | BOLD:ACD2056 | 0 | 0.0033 | 0 | 2 |
| COI | Insecta | Diptera | Muscidae | Phaoniinae | Helina | obscurata | BOLD:AAE6931 | 0.003 | 0.0016 | 1 | 1 |
| COI | Insecta | Diptera | Muscidae | Azeliinae | Muscina | pascuorum | BOLD:AAG1714 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Muscidae | | | | BOLD:ACR5608 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Diptera | Muscidae | | | | BOLD:AAX1493 | 0.003 | 0.0016 | 1 | 1 |
| COI | Insecta | Diptera | Muscidae | Azeliinae | Hydrotaea | armipes | BOLD:AAG6908 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Muscidae | Phaoniinae | Phaonia | | BOLD:AAG1772 | 0.003 | 0.0033 | 1 | 2 |
| COI | Insecta | Diptera | Muscidae | Phaoniinae | Phaonia | | BOLD:AAP8142 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Diptera | Muscidae | Azeliinae | Hydrotaea | glabricula | BOLD:ADK1195 | 0 | 0.0033 | 0 | 2 |
| COI | Insecta | Diptera | Muscidae | Azeliinae | Potamia | littoralis | BOLD:ACQ0523 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Diptera | Muscidae | Azeliinae | Thricops | diaphanus | BOLD:AAG1710 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Mycetophilidae | Mycetophilinae | Platurocypta | | BOLD:ACC5656 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Pediciidae | Uliinae | Ula | | BOLD:AAV1814 | 0.003 | 0.0033 | 1 | 2 |
| COI | Insecta | Diptera | Pediciidae | Pediciinae | Dicranota | | BOLD:ABW5265 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Pediciidae | Uliinae | Ula | bolitophila | BOLD:ABU5946 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Diptera | Pediciidae | Uliinae | Ula | | BOLD:ABA7462 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Diptera | Periscelididae | | | | BOLD:ADE5755 | 0 | 0.0049 | 0 | 3 |
| COI | Insecta | Diptera | Phoridae | | | | BOLD:AAP6413 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Diptera | Psychodidae | | | | BOLD:ACO7340 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Psychodidae | | | | BOLD:ADE7332 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Psychodidae | | | | BOLD:ADE8063 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Psychodidae | Psychodinae | Psychoda | | BOLD:AAL7819 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Diptera | Psychodidae | Psychodinae | Psychoda | | BOLD:ACD9559 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Sarcophagidae | | | | BOLD:ACU3079 | 0.009 | 0.0033 | 3 | 2 |
| COI | Insecta | Diptera | Sciaridae | | | | BOLD:ACC1760 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Diptera | Sciaridae | | | | BOLD:ACI7364 | 0 | 0.0049 | 0 | 3 |
| COI | Insecta | Diptera | Simuliidae | Simuliinae | Simulium | | BOLD:ABA1846 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Sphaeroceridae | Limosininae | Opalimosina | mirabilis | BOLD:AAN6406 | 0 | 0.0049 | 0 | 3 |
| COI | Insecta | Diptera | Syrphidae | Eristalinae | Ferdinandea | cuprea | BOLD:AAJ0402 | 0 | 0.0065 | 0 | 4 |
| COI | Insecta | Diptera | Tachinidae | Exoristinae | Cyzenis | | BOLD:AAP4829 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Tachinidae | Exoristinae | Drino | | BOLD:AAB6198 | 0.003 | 0 | 1 | 0 |

| Primer | Class | Order | Family | Subfamily | Genus | Species | BIN | M. ussuriensis | M. ikonnikovi | M. ussuriensis | M. ikonnikovi |
|--------|---------|-------------|----------------|-----------------|--------------------|--------------|---------------|----------------|---------------|----------------|---------------|
| COI | Insecta | Diptera | Tachinidae | Exoristinae | | | BOLD:AAN9266 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Diptera | Tachinidae | Exoristinae | Cadurciella | tritaeniatia | BOLD:AAN9651 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Diptera | Tachinidae | Exoristinae | Phебellia | villica | BOLD:ACB0760 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Diptera | Tachinidae | | | | BOLD:AAZ8670 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Diptera | Tachinidae | Exoristinae | | | BOLD: AAC1692 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Diptera | Tipulidae | Tipulinae | Tipula | kuzuensis | BOLD: AAN9034 | 0 | 0.0065 | 0 | 4 |
| COI | Insecta | Diptera | Tipulidae | Tipulinae | Tipula | | BOLD: ABV3695 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Tipulidae | Tipulinae | Tipula | | BOLD: ABV4667 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Diptera | Tipulidae | Tipulinae | Tipula | | TIPTW088-10 | 0.003 | 0.0049 | 1 | 3 |
| COI | Insecta | Diptera | Tipulidae | | | | TIPTW093-10 | 0.003 | 0.0098 | 1 | 6 |
| COI | Insecta | Diptera | Trichoceridae | Trichocerinae | Trichocera | | BOLD: ACF7745 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Hemiptera | Pentatomidae | | | | BOLD: AAP3528 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Hemiptera | Cicadellidae | Deltocephalinae | | | BOLD: AAG8956 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Hemiptera | Cicadidae | Cicadinae | Yezoterpnosia | nigricosta | BOLD: ACP9813 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Hemiptera | Psyllidae | | | | BOLD: ACM6872 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Hymenoptera | Cimbicidae | Cimbicinae | Trichiosoma | | BOLD: ACJ7002 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Hymenoptera | Cimbicidae | Cimbicinae | Trichiosoma | | BOLD: ABZ2163 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Hymenoptera | Ichneumonidae | | | | BOLD: ADI1279 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Hymenoptera | Pamphiliidae | Pamphiliinae | Neurotoma | nemoralis | BOLD: AAV6346 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Hymenoptera | Pamphiliidae | Pamphiliinae | Pamphilus | | BOLD: AAK4614 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Hymenoptera | | | | | EII067-15 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Hymenoptera | | | | | EII104-15 | 0 | 0.0033 | 0 | 2 |
| COI | Insecta | Hymenoptera | Tenthredinidae | Nematinae | Pristiphora | | BOLD: AAK9450 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Coleophoridae | Coleophorinae | Coleophora | | BOLD: AAC8694 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Crambidae | Scopariinae | Eudonia | persimilis | BOLD: AAF1478 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | | | | | BOLD: AAF8577 | 0 | 0.0033 | 0 | 2 |
| COI | Insecta | Lepidoptera | | | | | BOLD: AAG6034 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Erebidae | Arctiinae | | | BOLD: AAH2626 | 0 | 0.0081 | 0 | 5 |
| COI | Insecta | Lepidoptera | Gelechiidae | Gelechiinae | | | BOLD: AAH5654 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Noctuidae | Noctuinae | | | BOLD: AAI3519 | 0.009 | 0 | 3 | 0 |
| COI | Insecta | Lepidoptera | Erebidae | | | | BOLD: AAL4384 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Crambidae | Spilomelinae | Pleuroptya/Patania | expictalis | BOLD: AAL4502 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Erebidae | Boletobiinae | Enispa | | BOLD: AAL7095 | 0.003 | 0.0033 | 1 | 2 |
| COI | Insecta | Lepidoptera | Noctuidae | Noctuinae | | | BOLD: AAM0480 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Notodontidae | Notodontinae | Cerura | | BOLD: AAM4552 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Noctuidae | | | | BOLD: AAM9055 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Noctuidae | Noctuinae | | | BOLD: AAM9761 | 0.003 | 0.0033 | 1 | 2 |
| COI | Insecta | Lepidoptera | Crambidae | Pyraustinae | Goniorhynchus | | BOLD: AAN3555 | 0 | 0.0033 | 0 | 2 |

| Primer | Class | Order | Family | Subfamily | Genus | Species | BIN | M. ussuriensis | M. ikonnikovi | M. ussuriensis | M. ikonnikovi |
|--------|---------|-------------|-----------------|-----------------|---------------|-----------------|--------------|----------------|---------------|----------------|---------------|
| COI | Insecta | Lepidoptera | Hesperiidae | | | | BOLD:AAN7248 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Noctuidae | | | | BOLD:AAP1728 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Geometridae | Ennominae | | | BOLD:AAP2372 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Gelechiidae | | | | BOLD:AAQ1460 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Crambidae | Spilomelinae | | | BOLD:AAQ2087 | 0 | 0.0049 | 0 | 3 |
| COI | Insecta | Lepidoptera | Geometridae | Sterrhinae | Scopula | | BOLD:AAV8961 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Erebidae | Arctiinae | | | BOLD:AAY5858 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Limacodidae | | | | BOLD:AAZ8422 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Tortricidae | Olethreutinae | Rhopobota | | BOLD:ABA8634 | 0.003 | 0.0016 | 1 | 1 |
| COI | Insecta | Lepidoptera | Geometridae | Larentiinae | Leptostegna | | BOLD:ABU5788 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Sphingidae | Smerinthinae | Marumba | gaschkevitschii | BOLD:ABU7231 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | | | | | BOLD:ABU9226 | 0.006 | 0 | 2 | 0 |
| COI | Insecta | Lepidoptera | Tortricidae | | | | BOLD:ABW0658 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Erebidae | Arctiinae | Cyana | | BOLD:ABX3752 | 0.003 | 0.0114 | 1 | 7 |
| COI | Insecta | Lepidoptera | Erebidae | Erebinae | Catocala | | BOLD:ABZ3190 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Erebidae | Arctiinae | | | BOLD:ACB1726 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Geometridae | Geometrinae | | | BOLD:ACE9755 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Autostichidae | | | | BOLD:ACF7812 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Cosmopterigidae | | | | BOLD:ACJ1842 | 0.003 | 0.0016 | 1 | 1 |
| COI | Insecta | Lepidoptera | Gelechiidae | Gelechiinae | Sophronia | | BOLD:ACL1953 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Geometridae | Ennominae | | | BOLD:ACL6993 | 0 | 0.0033 | 0 | 2 |
| COI | Insecta | Lepidoptera | | | | | BOLD:ACM3459 | 0 | 0.0049 | 0 | 3 |
| COI | Insecta | Lepidoptera | Elachistidae | | | | BOLD:ACM9615 | 0 | 0.0033 | 0 | 2 |
| COI | Insecta | Lepidoptera | Tortricidae | | | | BOLD:ACN0142 | 0.003 | 0.0033 | 1 | 2 |
| COI | Insecta | Lepidoptera | Gelechiidae | | | | BOLD:ACN0185 | 0 | 0.0098 | 0 | 6 |
| COI | Insecta | Lepidoptera | Tortricidae | Tortricinae | Choristoneura | | BOLD:ACN0625 | 0.003 | 0.0065 | 1 | 4 |
| COI | Insecta | Lepidoptera | Erebidae | Herminiinae | | | BOLD:ACO1434 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Lasiocampidae | Poecilocampinae | | | BOLD:ACP2255 | 0 | 0.0033 | 0 | 2 |
| COI | Insecta | Lepidoptera | Gelechiidae | | | | BOLD:ACR6168 | 0.003 | 0.0016 | 1 | 1 |
| COI | Insecta | Lepidoptera | Stathmopodidae | NA | Stathmopoda | | BOLD:ACV9615 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | | | | | BOLD:ACW1375 | 0.000 | 0.0081 | 0 | 5 |
| COI | Insecta | Lepidoptera | | | | | BOLD:ACX5590 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Crambidae | | | | BOLD:ACX6648 | 0.003 | 0.0016 | 1 | 1 |
| COI | Insecta | Lepidoptera | | | | | BOLD:ADF8756 | 0 | 0.0049 | 0 | 3 |
| COI | Insecta | Lepidoptera | | | | | BOLD:ADG3051 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | | | | | BOLD:ADI1550 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Tortricidae | Tortricinae | Acleris | paradiseana | BOLD:ADI2826 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | | | | | BOLD:ADI2961 | 0 | 0.0098 | 0 | 6 |

| Primer | Class | Order | Family | Subfamily | Genus | Species | BIN | M. ussuriensis | M. ikonnikovi | M. ussuriensis | M. ikonnikovi |
|--------|---------|-------------|----------------|----------------|-------------------------|------------|---------------|----------------|---------------|----------------|---------------|
| COI | Insecta | Lepidoptera | | | | | BOLD:ADI4331 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Geometridae | Sterrhinae | Scopula | | BOLD:ADI7455 | 0 | 0.0033 | 0 | 2 |
| COI | Insecta | Lepidoptera | Geometridae | Sterrhinae | Scopula | | BOLD:ADJ2221 | 0.003 | 0.0098 | 1 | 6 |
| COI | Insecta | Lepidoptera | | | | | GWOSS664-11 | 0.006 | 0 | 2 | 0 |
| COI | Insecta | Lepidoptera | Geometridae | Geometrinae | | | NAGEO164-09 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Autostichidae | Autostichinae | | | BOLD:AAC7842 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Blastobasidae | Blastobasinae | Hypatopa | | BOLD:AAB9632 | 0 | 0.0033 | 0 | 2 |
| COI | Insecta | Lepidoptera | Blastobasidae | Blastobasinae | | | BOLD:AAX6193 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Coleophoridae | Coleophorinae | Coleophora | | BOLD:AAB8487 | 0 | 0.0033 | 0 | 2 |
| COI | Insecta | Lepidoptera | Crambidae | Pyraustinae | Pyrausta/ Goniorhynchus | | BOLD:AAD0032 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | | | | | BOLD:ACM1938 | 0.003 | 0.0033 | 1 | 2 |
| COI | Insecta | Lepidoptera | Crambidae | Acentropinae | Nymphula/Elophila | | BOLD:AAF2874 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Crambidae | Spilomelinae | Palpita | | BOLD:AAD6468 | 0.025 | 0.0098 | 8 | 6 |
| COI | Insecta | Lepidoptera | Crambidae | Spilomelinae | | | BOLD:AAB6255 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Crambidae | Spilomelinae | Pleuroptya/ Patania | | BOLD:AAB6257 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Depressariidae | | | | BOLD:AAV5033 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Depressariidae | Depressariinae | Agonopterix | | BOLD:AAF7176 | 0 | 0.0033 | 0 | 2 |
| COI | Insecta | Lepidoptera | Depressariidae | Depressariinae | Depressaria | | BOLD:ACN1500 | 0 | 0.0033 | 0 | 2 |
| COI | Insecta | Lepidoptera | Depressariidae | | | | BOLD:ACE7937 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Drepanidae | Thyatirinae | Tetheella | fluctuosa | BOLD:AAD3647 | 0 | 0.0033 | 0 | 2 |
| COI | Insecta | Lepidoptera | Erebidae | | | | BOLD:AAB7538 | 0.009 | 0 | 3 | 0 |
| COI | Insecta | Lepidoptera | Erebidae | Erebinae | Catocala | | BOLD:AAE9541 | 0.003 | 0.0016 | 1 | 1 |
| COI | Insecta | Lepidoptera | Erebidae | Arctiinae | | | BOLD:AAC3572 | 0 | 0.0049 | 0 | 3 |
| COI | Insecta | Lepidoptera | Erebidae | Hyeninae | | | BOLD: AAC7130 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Erebidae | Erebinae | Ercheia | | BOLD:AAD8285 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Erebidae | Erebinae | Thyas | juno | BOLD:AAF1405 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Erebidae | Erebinae | | | BOLD:ABX5513 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Erebidae | Arctiinae | | | BOLD:ACE8889 | 0 | 0.0081 | 0 | 5 |
| COI | Insecta | Lepidoptera | Erebidae | | | | BOLD:ACT9815 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Erebidae | | | | BOLD:ADF0678 | 0.003 | 0.0016 | 1 | 1 |
| COI | Insecta | Lepidoptera | Erebidae | Herminiinae | Hydrillodes | | BOLD:ACU0270 | 0.003 | 0.0049 | 1 | 3 |
| COI | Insecta | Lepidoptera | | | | | BOLD:AAV8834 | 0.003 | 0.0033 | 1 | 2 |
| COI | Insecta | Lepidoptera | Erebidae | Lymantriinae | Lymantria | dispar | BOLD:AAA2052 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Erebidae | Lymantriinae | Lymantria | monacha | BOLD:AAA5537 | 0.006 | 0.0033 | 2 | 2 |
| COI | Insecta | Lepidoptera | Erebidae | Pangraptinae | Pangrapta | | BOLD:ADF1765 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Gelechiidae | Gelechiinae | Gelechia | cuneatella | BOLD:AAF5086 | 0 | 0.0033 | 0 | 2 |
| COI | Insecta | Lepidoptera | Gelechiidae | Gelechiinae | Psoricoptera | gibbosella | BOLD:AAD0608 | 0.009 | 0.0081 | 3 | 5 |
| COI | Insecta | Lepidoptera | Gelechiidae | | | | BOLD:ABA1140 | 0.003 | 0.0033 | 1 | 2 |

| Primer | Class | Order | Family | Subfamily | Genus | Species | BIN | M. ussuriensis | M. ikonnikovi | M. ussuriensis | M. ikonnikovi |
|--------|---------|-------------|----------------|----------------|----------------|----------------|--------------|----------------|---------------|----------------|---------------|
| COI | Insecta | Lepidoptera | Geometridae | Ennominae | | | BOLD:ACG8719 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Geometridae | Ennominae | Cleora | insolita | BOLD:ACJ3813 | 0.006 | 0 | 2 | 0 |
| COI | Insecta | Lepidoptera | Geometridae | Ennominae | | | BOLD:AAC6655 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Geometridae | Ennominae | Deileptenia | ribeata | BOLD:AAC3800 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Geometridae | Ennominae | Ectropis | | BOLD:AAB5227 | 0.003 | 0.0016 | 1 | 1 |
| COI | Insecta | Lepidoptera | Geometridae | Ennominae | Ectropis | crepuscularia | BOLD:AAA2076 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Geometridae | Ennominae | Endropiodes | | BOLD:AAF7479 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Geometridae | Larentiinae | Gandaritis | fixseni | BOLD:AAV1335 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Geometridae | Larentiinae | Gandaritis | | BOLD:AAB5983 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Geometridae | Geometrinae | Geometra | | BOLD:AAB2011 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Geometridae | Ennominae | Protoboarmia | | BOLD:AAA2077 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Geometridae | Larentiinae | Eupithecia | | BOLD:AAA2083 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Geometridae | Sterrhinae | Cyclophora | | BOLD:AAD6021 | 0.003 | 0.0033 | 1 | 2 |
| COI | Insecta | Lepidoptera | Geometridae | Geometrinae | | | BOLD:AAE5087 | 0.003 | 0.0081 | 1 | 5 |
| COI | Insecta | Lepidoptera | Geometridae | Ennominae | | | BOLD:AAE6522 | 0 | 0.0033 | 0 | 2 |
| COI | Insecta | Lepidoptera | Geometridae | Ennominae | Menophra | senilis | BOLD:AAF3823 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Geometridae | Ennominae | | | BOLD:AAL8521 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Geometridae | Ennominae | | | BOLD:AAP9222 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Geometridae | | | | BOLD:AAZ1901 | 0 | 0.0033 | 0 | 2 |
| COI | Insecta | Lepidoptera | Geometridae | Ennominae | | | BOLD:ABU6285 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Geometridae | Geometrinae | Jodis | putata | BOLD:ABZ4040 | 0.003 | 0.0016 | 1 | 1 |
| COI | Insecta | Lepidoptera | Geometridae | Larentiinae | | | BOLD:ACB9627 | 0.003 | 0.0016 | 1 | 1 |
| COI | Insecta | Lepidoptera | Geometridae | | | | BOLD:ADF1852 | 0.009 | 0 | 3 | 0 |
| COI | Insecta | Lepidoptera | Geometridae | Sterrhinae | Scopula | | LNAUS1341-13 | 0 | 0.0065 | 0 | 4 |
| COI | Insecta | Lepidoptera | Geometridae | Ennominae | Hypomecis | punctinalis | BOLD:ACA2461 | 0.012 | 0 | 4 | 0 |
| COI | Insecta | Lepidoptera | Geometridae | Ennominae | | | BOLD:ACS9064 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Geometridae | Ennominae | | | BOLD:AAB6560 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Geometridae | Ennominae | Ourapteryx | maculicaudaria | BOLD:AAW9443 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Geometridae | Ennominae | | | BOLD:AAA2521 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Geometridae | Ennominae | Phthonosema | tendinosaria | BOLD:AAF6489 | 0.006 | 0 | 2 | 0 |
| COI | Insecta | Lepidoptera | Gracillariidae | Gracillariinae | Caloptilia | cf. heringi | BOLD:ADK1669 | 0 | 0.0033 | 0 | 2 |
| COI | Insecta | Lepidoptera | Gracillariidae | Gracillariinae | Caloptilia | hidakensis | BOLD:AAK1674 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Gracillariidae | Gracillariinae | Caloptilia | | BOLD:ACL6329 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Gracillariidae | Gracillariinae | | | BOLD:ADK2510 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Hepialidae | Hepialinae | | | BOLD:AAO2948 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Hepialidae | Hepialinae | | | BOLD:ACN8703 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Hesperiidae | Coeliadinae | Burara/Bibasis | aquilina | BOLD:ACD6545 | 0.009 | 0 | 3 | 0 |
| COI | Insecta | Lepidoptera | Hesperiidae | Hesperiinae | | | LIMBC545-11 | 0.006 | 0.0065 | 2 | 4 |

| Primer | Class | Order | Family | Subfamily | Genus | Species | BIN | M. ussuriensis | M. ikonnikovi | M. ussuriensis | M. ikonnikovi |
|--------|---------|-------------|----------------|----------------|--------------|------------|---------------|----------------|---------------|----------------|---------------|
| COI | Insecta | Lepidoptera | Hesperiidae | Hesperiinae | Thoressa | varia | BOLD:ADK0840 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Lasiocampidae | Lasiocampinae | Euthrix | potatoria | BOLD:AAC1584 | 0.003 | 0.0049 | 1 | 3 |
| COI | Insecta | Lepidoptera | Lecithoceridae | | | | BOLD:AAD6680 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Limacodidae | Limacodinae | | | BOLD:ACE6221 | 0 | 0.0049 | 0 | 3 |
| COI | Insecta | Lepidoptera | Limacodidae | Limacodinae | | | BOLD:AAA9203 | 0.003 | 0.0033 | 1 | 2 |
| COI | Insecta | Lepidoptera | Limacodidae | | | | BOLD:ACC2517 | 0.003 | 0.0016 | 1 | 1 |
| COI | Insecta | Lepidoptera | Limacodidae | Limacodinae | Parasa | | BOLD:AAM0823 | 0.003 | 0.0065 | 1 | 4 |
| COI | Insecta | Lepidoptera | Limacodidae | Limacodinae | Phrixolepia | | BOLD:AAV5028 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Lycaenidae | Theclinae | Rapala | | BOLD:AAL1375 | 0.003 | 0.0016 | 1 | 1 |
| COI | Insecta | Lepidoptera | Noctuidae | Acronictinae | Acronicta | | BOLD:ADK0044 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Noctuidae | Pantheinae | Anacronicta | | BOLD:AAK1458 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Noctuidae | Noctuinae | Apamea | helva | BOLD: AAC5412 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Noctuidae | Noctuinae | Athetis | | BOLD:AAV0425 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Noctuidae | Acronictinae | Belciades | niveola | BOLD:ACU0724 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Noctuidae | Amphipyrrinae | Brachionycha | nubeculosa | BOLD:AAE0860 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | | | | | BOLD:ADF8757 | 0.009 | 0 | 3 | 0 |
| COI | Insecta | Lepidoptera | Noctuidae | | | | BOLD:ACT9151 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Noctuidae | Noctuinae | | | BOLD:ACJ1078 | 0.006 | 0 | 2 | 0 |
| COI | Insecta | Lepidoptera | Noctuidae | Oncocnemidinae | | | BOLD:AAE4319 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Noctuidae | Plusiinae | | | BOLD:AAE7504 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Noctuidae | Amphipyrrinae | | | BOLD:AAW4866 | 0.003 | 0.0016 | 1 | 1 |
| COI | Insecta | Lepidoptera | Noctuidae | Noctuinae | Leucania | | BOLD:AAJ2503 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Noctuidae | Noctuinae | Lithophane | socia | BOLD:AAE6607 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Noctuidae | Noctuinae | Spodoptera | exigua | BOLD:AAA6644 | 0 | 0.0049 | 0 | 3 |
| COI | Insecta | Lepidoptera | Noctuidae | Noctuinae | Spodoptera | cilium | BOLD: AAC8279 | 0 | 0.0049 | 0 | 3 |
| COI | Insecta | Lepidoptera | Noctuidae | Amphipyrrinae | | | BOLD:AAH5319 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | | | | | BOLD:ADG3545 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | | | | | BOLD:AAB6211 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Noctuidae | Noctuinae | | | BOLD:AAB6980 | 0.006 | 0 | 2 | 0 |
| COI | Insecta | Lepidoptera | Noctuidae | Noctuinae | Xylena | | BOLD:AAE4735 | 0.003 | 0.0065 | 1 | 4 |
| COI | Insecta | Lepidoptera | Nolidae | Chloephorinae | Nycteola | | BOLD:AAE2641 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Nolidae | Nolinae | Nola | confusalis | BOLD:AAB5563 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Nolidae | Nolinae | | | BOLD:AAL7275 | 0 | 0.0049 | 0 | 3 |
| COI | Insecta | Lepidoptera | Nolidae | Chloephorinae | Pseudoips | prasinana | BOLD:AAB8807 | 0 | 0.0033 | 0 | 2 |
| COI | Insecta | Lepidoptera | Notodontidae | | | | BOLD:AAM3801 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Notodontidae | Notodontinae | | | BOLD:AAL6465 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Notodontidae | Heterocampinae | | | BOLD:AAM4825 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Notodontidae | Notodontinae | Notodonta | | BOLD: AAC1146 | 0.003 | 0 | 1 | 0 |

| Primer | Class | Order | Family | Subfamily | Genus | Species | BIN | M. ussuriensis | M. ikonnikovi | M. ussuriensis | M. ikonnikovi |
|--------|---------|-------------|----------------|----------------|---------------|--------------|---------------|----------------|---------------|----------------|---------------|
| COI | Insecta | Lepidoptera | Notodontidae | Notodontinae | Shaka | | BOLD:ACJ1076 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Notodontidae | Heterocampinae | Stauropus | fagi | BOLD:AAD0646 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Nymphalidae | Heliconiinae | Boloria | | BOLD:AAB9155 | 0 | 0.0033 | 0 | 2 |
| COI | Insecta | Lepidoptera | Oecophoridae | Oecophorinae | | | BOLD:AAF9734 | 0 | 0.0033 | 0 | 2 |
| COI | Insecta | Lepidoptera | Papilionidae | Papilioninae | Papilio | | BOLD:AAI5285 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Pyralidae | Pyralinae | Endotricha | olivacealis | BOLD:ACI9403 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Saturniidae | | | | BOLD:AAA5428 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Saturniidae | Saturniinae | Saturnia | | BOLD:AAB9581 | 0.025 | 0.0033 | 8 | 2 |
| COI | Insecta | Lepidoptera | Saturniidae | Saturniinae | Saturnia | jonasii | BOLD:AAD1452 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Sphingidae | Smerinthinae | Callambulyx | | BOLD:ABY4871 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Sphingidae | Macroglossinae | | | BOLD:AAB0931 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Sphingidae | Sphinginae | Sphinx | ligustri | BOLD:AAB6107 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Sphingidae | Sphinginae | Sphinx | | BOLD:ACF5246 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Stathmopodidae | NA | Stathmopoda | pedella | BOLD:AAD4282 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Tineidae | Scardiinae | Morophaga | bucephala | BOLD:AAG8510 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Tortricidae | Tortricinae | | | BOLD: AAC3136 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Tortricidae | Tortricinae | Archips | betulana | BOLD: ACM3437 | 0.003 | 0.0081 | 1 | 5 |
| COI | Insecta | Lepidoptera | Tortricidae | Tortricinae | Archips | | BOLD: AAB5839 | 0 | 0.0033 | 0 | 2 |
| COI | Insecta | Lepidoptera | Tortricidae | Tortricinae | Choristoneura | diversana | BOLD: AAD8048 | 0.006 | 0.0130 | 2 | 8 |
| COI | Insecta | Lepidoptera | Tortricidae | Tortricinae | | | BOLD: ACT2120 | 0.003 | 0.0016 | 1 | 1 |
| COI | Insecta | Lepidoptera | Tortricidae | Tortricinae | Dichelia | | ANICU1645-11 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Tortricidae | Tortricinae | Eana | incanana | BOLD: AAD7476 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Tortricidae | Olethreutinae | Epinotia | | BOLD: AAE1784 | 0 | 0.0033 | 0 | 2 |
| COI | Insecta | Lepidoptera | Tortricidae | Olethreutinae | Epinotia | nisella | BOLD: AAA7530 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Tortricidae | Olethreutinae | Eudemis | porphyra | BOLD: AAC6854 | 0 | 0.0033 | 0 | 2 |
| COI | Insecta | Lepidoptera | Tortricidae | Olethreutinae | Gypsonoma | dealbana | BOLD: AAB0380 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Tortricidae | Olethreutinae | Lobesia | | BOLD: ABV8007 | 0.003 | 0.0016 | 1 | 1 |
| COI | Insecta | Lepidoptera | Tortricidae | Olethreutinae | | | BOLD: ABZ7645 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Tortricidae | Olethreutinae | Olethreutes | | BOLD: ACS0054 | 0 | 0.0065 | 0 | 4 |
| COI | Insecta | Lepidoptera | Tortricidae | Tortricinae | Pandemis | cinnamomeana | BOLD: AAD0575 | 0.003 | 0.0016 | 1 | 1 |
| COI | Insecta | Lepidoptera | Tortricidae | Tortricinae | Pandemis | corylana | BOLD: AAC5400 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Tortricidae | Olethreutinae | Phiaris | | BOLD: AAJ2026 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Tortricidae | Tortricinae | Ptycholoma | lecheanum | BOLD: AAD3264 | 0 | 0.0033 | 0 | 2 |
| COI | Insecta | Lepidoptera | Tortricidae | Olethreutinae | Rhopobota | naevana | BOLD: AAA9812 | 0 | 0.0065 | 0 | 4 |
| COI | Insecta | Lepidoptera | Tortricidae | Olethreutinae | | | BOLD: AAA0213 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Lepidoptera | Tortricidae | Olethreutinae | Spilonota | laricana | BOLD: AAA7739 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Tortricidae | Tortricinae | Archips | crataeganus | BOLD: AAD6620 | 0 | 0.0049 | 0 | 3 |
| COI | Insecta | Lepidoptera | | | | | BOLD: AAH4639 | 0 | 0.0016 | 0 | 1 |

| Primer | Class | Order | Family | Subfamily | Genus | Species | BIN | M. ussuriensis | M. ikonnikovi | M. ussuriensis | M. ikonnikovi |
|--------|-----------|-------------|------------------|-------------------|---------------|----------------|--------------|----------------|---------------|----------------|---------------|
| COI | Insecta | Lepidoptera | Tortricidae | Olethreutinae | Epinotia | | BOLD:AAN7425 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Tortricidae | Olethreutinae | | | BOLD:AAV9504 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Tortricidae | | | | BOLD:ADE9961 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | Tortricidae | Tortricinae | | | BOLD:ACP8754 | 0.003 | 0.0033 | 1 | 2 |
| COI | Insecta | Lepidoptera | Tortricidae | Olethreutinae | Zeiraphera | rufimitrana | BOLD:AAM3356 | 0 | 0.0033 | 0 | 2 |
| COI | Insecta | Lepidoptera | Uraniidae | Uraniinae | | | BOLD:ACF4699 | 0 | 0.0049 | 0 | 3 |
| COI | Insecta | Lepidoptera | Yponomeutidae | Yponomeutinae | | | BOLD:AAE4109 | 0.003 | 0.0016 | 1 | 1 |
| COI | Insecta | Lepidoptera | Ypsolophidae | Ypsolophinae | Ypsolopha | vittella | BOLD:AAD9548 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Lepidoptera | | | | | BOLD:AAD3218 | 0.003 | 0.0016 | 1 | 1 |
| COI | Insecta | Mecoptera | Panorpidae | Panorpinae | Panorpa | pryeri | BOLD:ACA3726 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Neuroptera | Hemerobiidae | Drepanopteryginae | Drepanopteryx | | BOLD:ACT2374 | 0.003 | 0 | 1 | 0 |
| COI | Insecta | Neuroptera | Hemerobiidae | Hemerobiinae | Hemerobius | | BOLD:AAG0897 | 0.006 | 0.0016 | 2 | 1 |
| COI | Insecta | Neuroptera | Hemerobiidae | Hemerobiinae | Hemerobius | | BOLD:ABZ0149 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Neuroptera | Hemerobiidae | Hemerobiinae | Hemerobius | fenestratus | BOLD:AAU3559 | 0.006 | 0.0081 | 2 | 5 |
| COI | Insecta | Neuroptera | Hemerobiidae | Hemerobiinae | Hemerobius | simulans | BOLD:ACM1832 | 0.003 | 0.0049 | 1 | 3 |
| COI | Insecta | Neuroptera | Hemerobiidae | Hemerobiinae | | | BOLD:ABU9030 | 0.003 | 0.0016 | 1 | 1 |
| COI | Insecta | Neuroptera | Osmylidae | | | | INRMA502-12 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Plecoptera | Nemouridae | Amphinemurinae | | | BOLD:AAL6222 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Psocodea | Psocidae | Psocinae | Psococerastis | | BOLD:ACC5474 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Trichoptera | Lepidostomatidae | Lepidostomatinae | Lepidostoma | elongatum | RUSST089-12 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Trichoptera | Psychomyiidae | Psychomyiinae | Tinodes | higashiyamanus | BOLD:ACD6706 | 0 | 0.0016 | 0 | 1 |
| COI | Insecta | Trichoptera | Thremmatidae | Thremmatinae | Neophylax | ussuriensis | BOLD:AAG9568 | 0 | 0.0049 | 0 | 3 |
| 16S | Arachnida | Opiliones | Sclerosomatidae | Leiobuninae | Leiobunum | tohokuense | NA | 0 | 0.0016 | 0 | 1 |
| 16S | Insecta | Coleoptera | Elateridae | Elaterinae | Agriotes | | NA | 0.003 | 0 | 1 | 0 |
| 16S | Insecta | Coleoptera | Scarabaeidae | Rutelinae | Anomala | | NA | 0.003 | 0 | 1 | 0 |
| 16S | Insecta | Coleoptera | Curculionidae | Curculioninae | Curculio | | NA | 0.003 | 0 | 1 | 0 |
| 16S | Insecta | Coleoptera | Cerambycidae | Lamiinae | Eutetrapha | | NA | 0.003 | 0 | 1 | 0 |
| 16S | Insecta | Coleoptera | Tenebrionidae | Alleculinae | Hymenalia | | NA | 0.003 | 0.0033 | 1 | 2 |
| 16S | Insecta | Coleoptera | Scarabaeidae | | | | NA | 0.006 | 0.0016 | 2 | 1 |
| 16S | Insecta | Coleoptera | Scarabaeidae | | | | NA | 0 | 0.0016 | 0 | 1 |
| 16S | Insecta | Coleoptera | Melandryidae | Malandryinae | Phloiotrya | planiuscula | NA | 0 | 0.0033 | 0 | 2 |
| 16S | Insecta | Coleoptera | Scarabaeidae | | | | NA | 0.012 | 0.0016 | 4 | 1 |
| 16S | Insecta | Coleoptera | Cantharidae | Cantharinae | Podabrus | | NA | 0 | 0.0033 | 0 | 2 |
| 16S | Insecta | Coleoptera | Chrysomelidae | | | | NA | 0.003 | 0 | 1 | 0 |
| 16S | Insecta | Dermoptera | Forficulidae | Anechurinae | Anechura | harmandi | NA | 0.022 | 0 | 7 | 0 |
| 16S | Insecta | Dermoptera | Forficulidae | Forficulinae | Forficula | mikado | NA | 0.009 | 0 | 3 | 0 |
| 16S | Insecta | Diptera | Mycetophilidae | Gnoristinae | Boletina | | NA | 0 | 0.0016 | 0 | 1 |
| 16S | Insecta | Diptera | Tachinidae | Exoristinae | Botria | japonica | NA | 0 | 0.0016 | 0 | 1 |

| Primer | Class | Order | Family | Subfamily | Genus | Species | BIN | M. ussuriensis | M. ikonnikovi | M. ussuriensis | M. ikonnikovi |
|--------|---------|---------------|--------------------------|-----------------|------------------|-------------------|-----|----------------|---------------|----------------|---------------|
| 16S | Insecta | Diptera | Sciaridae | NA | Chaetosciara | | NA | 0 | 0.0016 | 0 | 1 |
| 16S | Insecta | Diptera | Calliphoridae | Chrysomyinae | Chrysomya | | NA | 0 | 0.0016 | 0 | 1 |
| 16S | Insecta | Diptera | Empidoidea (Superfamily) | | | | NA | 0 | 0.0016 | 0 | 1 |
| 16S | Insecta | Diptera | Culicidae | Culicinae | Culex | | NA | 0.003 | 0 | 1 | 0 |
| 16S | Insecta | Diptera | Culicidae | Culicinae | Culex | tritaeniorhynchus | NA | 0 | 0.0065 | 0 | 4 |
| 16S | Insecta | Diptera | Limoniidae | Limoniinae | Dicranomyia | | NA | 0 | 0.0016 | 0 | 1 |
| 16S | Insecta | Diptera | Limoniidae | Limoniinae | Dicranomyia | | NA | 0 | 0.0081 | 0 | 5 |
| 16S | Insecta | Diptera | Limoniidae | Limoniinae | Dicranomyia | | NA | 0 | 0.0016 | 0 | 1 |
| 16S | Insecta | Diptera | Limoniidae | Limoniinae | Dicranomyia | | NA | 0 | 0.0065 | 0 | 4 |
| 16S | Insecta | Diptera | Tachinidae | Exoristinae | Eumea | linearicornis | NA | 0.003 | 0 | 1 | 0 |
| 16S | Insecta | Diptera | Mycetophilidae | Mycetophilinae | Exechia | | NA | 0 | 0.0033 | 0 | 2 |
| 16S | Insecta | Diptera | Mycetophilidae | Mycetophilinae | Exechia | | NA | 0 | 0.0033 | 0 | 2 |
| 16S | Insecta | Diptera | Tachinidae | Exoristinae | Gonia | chinensis | NA | 0.003 | 0 | 1 | 0 |
| 16S | Insecta | Diptera | Limoniidae | | | | NA | 0 | 0.0016 | 0 | 1 |
| 16S | Insecta | Diptera | Chironomidae | Chironominae | Micropsectra | | NA | 0 | 0.0016 | 0 | 1 |
| 16S | Insecta | Diptera | Chironomidae | Chironominae | Micropsectra | | NA | 0 | 0.0016 | 0 | 1 |
| 16S | Insecta | Diptera | Mycetophilidae | Mycetophilinae | Mycetophila | | NA | 0 | 0.0016 | 0 | 1 |
| 16S | Insecta | Diptera | Mycetophilidae | Mycetophilinae | Mycetophila | fungorum | NA | 0 | 0.0049 | 0 | 3 |
| 16S | Insecta | Diptera | Mycetophilidae | Mycomyinae | Mycomya | | NA | 0 | 0.0016 | 0 | 1 |
| 16S | Insecta | Diptera | | | | | NA | 0.003 | 0 | 1 | 0 |
| 16S | Insecta | Diptera | Empidoidea (Superfamily) | | | | NA | 0 | 0.0016 | 0 | 1 |
| 16S | Insecta | Diptera | Limoniidae | | | | NA | 0.003 | 0.0212 | 1 | 13 |
| 16S | Insecta | Diptera | Psychodidae | | | | NA | 0.003 | 0.0114 | 1 | 7 |
| 16S | Insecta | Diptera | Rhagionidae | | | | NA | 0 | 0.0016 | 0 | 1 |
| 16S | Insecta | Diptera | Tipulidae | | | | NA | 0 | 0.0049 | 0 | 3 |
| 16S | Insecta | Diptera | Culicidae | Culicinae | Ochlerotatus | | NA | 0.003 | 0.0016 | 1 | 1 |
| 16S | Insecta | Diptera | Pediciidae | Pediciinae | Pedicia | | NA | 0 | 0.0081 | 0 | 5 |
| 16S | Insecta | Diptera | Rhinophoridae | | | | NA | 0.003 | 0 | 1 | 0 |
| 16S | Insecta | Diptera | Mycetophilidae | Mycetophilinae | Pseudobrachypeza | | NA | 0 | 0.0016 | 0 | 1 |
| 16S | Insecta | Diptera | Phoridae | Phoridae | Stichillus | | NA | 0.003 | 0.0016 | 1 | 1 |
| 16S | Insecta | Diptera | Tachinidae | Exoristinae | Suensonomyia | nudinervia | NA | 0.003 | 0 | 1 | 0 |
| 16S | Insecta | Diptera | Mycetophilidae | | | | NA | 0 | 0.0016 | 0 | 1 |
| 16S | Insecta | Diptera | Muscidae | Azeliinae | Thricops | | NA | 0 | 0.0016 | 0 | 1 |
| 16S | Insecta | Diptera | Tipulidae | Tipulinae | Tipula | | NA | 0.006 | 0.0098 | 2 | 6 |
| 16S | Insecta | Diptera | Tipulidae | Tipulinae | Tipula | | NA | 0.003 | 0.0065 | 1 | 4 |
| 16S | Insecta | Diptera | Mycetophilidae | Mycetophilinae | | | NA | 0 | 0.0016 | 0 | 1 |
| 16S | Insecta | Ephemeroptera | Heptageniidae | Rhithrogeniinae | Rhithrogena | | NA | 0 | 0.0016 | 0 | 1 |
| 16S | Insecta | Ephemeroptera | Heptageniidae | Rhithrogeniinae | Rhithrogena | | NA | 0 | 0.0016 | 0 | 1 |

| Primer | Class | Order | Family | Subfamily | Genus | Species | BIN | M. ussuriensis | M. ikonnikovi | M. ussuriensis | M. ikonnikovi |
|--------|---------|-------------|------------------|------------------|---------------|--------------|-----|----------------|---------------|----------------|---------------|
| 16S | Insecta | Hemiptera | Miridae | Mirinae | Adelphocoris | | NA | 0 | 0.0016 | 0 | 1 |
| 16S | Insecta | Hemiptera | Miridae | Deraeocorinae | Alloeotomus | simplus | NA | 0 | 0.0016 | 0 | 1 |
| 16S | Insecta | Hemiptera | Miridae | Mirinae | Arbolygus | rubripes | NA | 0.006 | 0.0000 | 2 | 0 |
| 16S | Insecta | Hemiptera | Acanthosomatidae | Acanthosomatinae | Elasmucha | signoreti | NA | 0.003 | 0 | 1 | 0 |
| 16S | Insecta | Hemiptera | Miridae | Mirinae | Phytocoris | | NA | 0 | 0.0016 | 0 | 1 |
| 16S | Insecta | Hemiptera | Psyllidae | Psyllinae | Psylla | | NA | 0.003 | 0.0016 | 1 | 1 |
| 16S | Insecta | Hemiptera | Psyllidae | Psyllinae | Psylla | | NA | 0.006 | 0.0016 | 2 | 1 |
| 16S | Insecta | Hemiptera | Aphididae | Calaphidinae | Symydobius | kabae | NA | 0 | 0.0016 | 0 | 1 |
| 16S | Insecta | Hymenoptera | Braconidae | Rogadinae | Aleiodes | | NA | 0.003 | 0 | 1 | 0 |
| 16S | Insecta | Hymenoptera | Ichneumonidae | Campopleginae | Hyposoter | | NA | 0.003 | 0 | 1 | 0 |
| 16S | Insecta | Hymenoptera | Braconidae | Microgastrinae | Micropilis | | NA | 0.003 | 0 | 1 | 0 |
| 16S | Insecta | Hymenoptera | | | | | NA | 0.003 | 0 | 1 | 0 |
| 16S | Insecta | Hymenoptera | Formicidae | | | | NA | 0 | 0.0016 | 0 | 1 |
| 16S | Insecta | Hymenoptera | Tenthredinidae | Nematinae | Nematinus | luteus | NA | 0.003 | 0 | 1 | 0 |
| 16S | Insecta | Lepidoptera | Geometridae | Ennominae | Archanna | melanaria | NA | 0.003 | 0 | 1 | 0 |
| 16S | Insecta | Lepidoptera | Noctuidae | | | | NA | 0.006 | 0 | 2 | 0 |
| 16S | Insecta | Lepidoptera | Tortricidae | Tortricinae | | | NA | 0 | 0.0033 | 0 | 2 |
| 16S | Insecta | Trichoptera | Limnephilidae | Dicosmoecinae | Dicosmoecus | | NA | 0 | 0.0065 | 0 | 4 |
| 16S | Insecta | Lepidoptera | Geometridae | Ennominae | Ectropis | obliqua | NA | 0.009 | 0 | 3 | 0 |
| 16S | Insecta | Lepidoptera | Tortricidae | Tortricinae | | | NA | 0.003 | 0.0033 | 1 | 2 |
| 16S | Insecta | Lepidoptera | Geometridae | Ennominae | Jankowskia | | NA | 0.006 | 0 | 2 | 0 |
| 16S | Insecta | Lepidoptera | Geometridae | Larentiinae | Lobogonodes | erectaria | NA | 0.003 | 0.0016 | 1 | 1 |
| 16S | Insecta | Lepidoptera | Erebidae | Lymantriinae | Lymantria | | NA | 0.006 | 0.0016 | 2 | 1 |
| 16S | Insecta | Lepidoptera | Geometridae | Ennominae | Myrioblephara | cilicornaria | NA | 0.003 | 0 | 1 | 0 |
| 16S | Insecta | Lepidoptera | | | | | NA | 0.003 | 0.0033 | 1 | 2 |
| 16S | Insecta | Lepidoptera | Noctuidae | Noctuinae | Panolis | | NA | 0.003 | 0 | 1 | 0 |
| 16S | Insecta | Lepidoptera | Noctuidae | Hadeninae | Panolis | | NA | 0.006 | 0 | 2 | 0 |
| 16S | Insecta | Lepidoptera | Noctuidae | Noctuinae | Panolis | | NA | 0.003 | 0.0016 | 1 | 1 |
| 16S | Insecta | Lepidoptera | Noctuidae | | | | NA | 0.003 | 0 | 1 | 0 |
| 16S | Insecta | Lepidoptera | Noctuidae | | | | NA | 0.003 | 0.0016 | 1 | 1 |
| 16S | Insecta | Lepidoptera | Thyrididae | Siculodinae | Pyrinioides | aurea | NA | 0 | 0.0016 | 0 | 1 |
| 16S | Insecta | Lepidoptera | Saturniidae | Saturniinae | Saturnia | | NA | 0.016 | 0 | 5 | 0 |
| 16S | Insecta | Mecoptera | Panorpidae | Panorpinae | Panorpa | takenouchii | NA | 0 | 0.0016 | 0 | 1 |
| 16S | Insecta | Neuroptera | Chrysopidae | Chrysopinae | Apertochrysa | | NA | 0 | 0.0016 | 0 | 1 |
| 16S | Insecta | Neuroptera | Chrysopidae | Chrysopinae | Chrysoperla | | NA | 0 | 0.0016 | 0 | 1 |
| 16S | Insecta | Neuroptera | Chrysopidae | Chrysopinae | Chrysoperla | | NA | 0 | 0.0016 | 0 | 1 |
| 16S | Insecta | Neuroptera | Osmylidae | Osmylinae | Osmylus | | NA | 0 | 0.0033 | 0 | 2 |
| 16S | Insecta | Neuroptera | Hemerobiidae | Hemerobiinae | | | NA | 0 | 0.0049 | 0 | 3 |

| Primer | Class | Order | Family | Subfamily | Genus | Species | BIN | M. ussuriensis | M. ikonnikovi | M. ussuriensis | M. ikonnikovi |
|--------|---------|--------------|------------------|-----------------|------------------|----------------|-----|----------------|---------------|----------------|---------------|
| 16S | Insecta | Odonata | Libellulidae | Sympetrinae | Sympetrum | frequens | NA | 0.016 | 0.0016 | 5 | 1 |
| 16S | Insecta | Odonata | Libellulidae | Sympetrinae | Sympetrum | infuscatum | NA | 0.006 | 0 | 2 | 0 |
| 16S | Insecta | Orthoptera | Rhaphidophoridae | Aemodogryllinae | | | NA | 0.003 | 0 | 1 | 0 |
| 16S | Insecta | Orthoptera | Trigonidiidae | Nemobiinae | Dianemobius | nigrofasciatus | NA | 0.003 | 0 | 1 | 0 |
| 16S | Insecta | Orthoptera | Rhaphidophoridae | Aemodogryllinae | Diestrammena | | NA | 0.003 | 0 | 1 | 0 |
| 16S | Insecta | Orthoptera | Rhaphidophoridae | | | | NA | 0 | 0.0000 | 1 | 0 |
| 16S | Insecta | Orthoptera | Rhaphidophoridae | | | | NA | 0 | 0.0016 | 0 | 1 |
| 16S | Insecta | Plecoptera | Perlidae | Acroneuriinae | Calineuria | | NA | 0 | 0.0033 | 0 | 2 |
| 16S | Insecta | Plecoptera | Nemouridae | | | | NA | 0 | 0.0016 | 0 | 1 |
| 16S | Insecta | Psocodea | Amphipsocidae | Amphipsocinae | Amphipsocus | japonicus | NA | 0 | 0.0016 | 0 | 1 |
| 16S | Insecta | Psocodea | | | | | NA | 0 | 0.0016 | 0 | 1 |
| 16S | Insecta | Psocodea | Mesopsocidae | NA | Mesopsocus | unipunctatus | NA | 0 | 0.0016 | 0 | 1 |
| 16S | Insecta | Psocodea | Psocidae | Psocinae | Psocerastis | | NA | 0.003 | 0.0049 | 1 | 3 |
| 16S | Insecta | Psocodea | Psocidae | Psocinae | Psocerastis | nubila | NA | 0.016 | 0 | 5 | 0 |
| 16S | Insecta | Psocodea | Stenopsocidae | NA | Stenopsocus | nigricellus | NA | 0 | 0.0033 | 0 | 2 |
| 16S | Insecta | Psocodea | Psocidae | Psocinae | Trichadenotecnum | | NA | 0 | 0.0016 | 0 | 1 |
| 16S | Insecta | Psocodea | Psocidae | Psocinae | Trichadenotecnum | incognitum | NA | 0 | 0.0016 | 0 | 1 |
| 16S | Insecta | Psocodea | Psocidae | Psocinae | Trichadenotecnum | | NA | 0 | 0.0033 | 0 | 2 |
| 16S | Insecta | Thysanoptera | Thripidae | Thripinae | Thrips | | NA | 0 | 0.0033 | 0 | 2 |