



# Species List

The species collected in your Malaise trap are listed below. They are organized by group and are listed in the order of the 'Species Image Library'. 'New' refers to species that are brand new to our DNA barcode library. 'Rare' refers to species that were only collected in your trap out of all 68 that were deployed for the program.

| BIN          | Group (scientific name) | Species Common Name               | Scientific Name               | New | Rare |
|--------------|-------------------------|-----------------------------------|-------------------------------|-----|------|
| BOLD:ACU6112 | Spiders (Araneae)       | Leafcurling sac spider            | <i>Clubiona</i>               | ✓   | ✓    |
| BOLD:AAI3701 | Spiders (Araneae)       | Dwarf spider                      | <i>Ceraticelus atriceps</i>   |     |      |
| BOLD:AAD2665 | Spiders (Araneae)       | Running crab spider               | <i>Philodromus vulgaris</i>   |     | ✓    |
| BOLD:AAA7188 | Spiders (Araneae)       | Running crab spider               | <i>Tibellus maritimus</i>     |     |      |
| BOLD:AAH2775 | Beetles (Coleoptera)    | Ground beetle                     | <i>Harpalus</i>               |     |      |
| BOLD:AAG4445 | Beetles (Coleoptera)    | Leaf beetle                       | <i>Altica corni</i>           |     |      |
| BOLD:AAP7854 | Beetles (Coleoptera)    | Checkered beetle                  | <i>Thanasimus undatus</i>     |     | ✓    |
| BOLD:AAI2226 | Beetles (Coleoptera)    | Bark beetle                       | <i>Hylurgops porosus</i>      |     |      |
| BOLD:AAO3898 | Beetles (Coleoptera)    | Squarenosed fungus beetle         | <i>Latridius minutus</i>      |     | ✓    |
| BOLD:ACN5209 | Beetles (Coleoptera)    | Minute brown scavenger beetle     | <i>Latridiidae</i>            |     |      |
| BOLD:ACC3034 | Beetles (Coleoptera)    | False metallic wood-boring beetle | <i>Pactopus hornii</i>        |     |      |
| BOLD:ACC2430 | Beetles (Coleoptera)    | False metallic wood-boring beetle | <i>Trixagus sericeus</i>      |     |      |
| BOLD:AAG1996 | Flies (Diptera)         | Wood gnat                         | <i>Sylvicola</i>              |     |      |
| BOLD:AAP3547 | Flies (Diptera)         | Root-maggot fly                   | <i>Delia bucculenta</i>       |     |      |
| BOLD:AAG2465 | Flies (Diptera)         | Cabbage maggot                    | <i>Delia radicum</i>          |     | ✓    |
| BOLD:ACF4994 | Flies (Diptera)         | Root-maggot fly                   | <i>Egle</i>                   |     |      |
| BOLD:AAL7523 | Flies (Diptera)         | Root-maggot fly                   | <i>Eutrichota tarsata</i>     |     | ✓    |
| BOLD:AAG2460 | Flies (Diptera)         | Root-maggot fly                   | <i>Hydrophoria lancifer</i>   |     |      |
| BOLD:AAL7525 | Flies (Diptera)         | Root-maggot fly                   | <i>Lasiomma</i>               |     |      |
| BOLD:ABA6845 | Flies (Diptera)         | Root-maggot fly                   | <i>Pegomya winthemi</i>       |     | ✓    |
| BOLD:ACI2866 | Flies (Diptera)         | Root-maggot fly                   | <i>Anthomyiidae</i>           |     | ✓    |
| BOLD:ACU7008 | Flies (Diptera)         | Root-maggot fly                   | <i>Anthomyiidae</i>           | ✓   | ✓    |
| BOLD:AAG2462 | Flies (Diptera)         | Root-maggot fly                   | <i>Anthomyiinae</i>           |     |      |
| BOLD:AAH3040 | Flies (Diptera)         | Cluster fly                       | <i>Pollenia vagabunda</i>     |     |      |
| BOLD:AAH6446 | Flies (Diptera)         | Bird fly                          | <i>Meoneura</i>               |     | ✓    |
| BOLD:ABW7848 | Flies (Diptera)         | Gall midge                        | <i>Semudobia betulae</i>      |     |      |
| BOLD:ACU7434 | Flies (Diptera)         | Gall midge                        | <i>Cecidomyiidae</i>          | ✓   | ✓    |
| BOLD:ACU7103 | Flies (Diptera)         | Gall midge                        | <i>Cecidomyiidae</i>          | ✓   | ✓    |
| BOLD:ACI3196 | Flies (Diptera)         | Gall midge                        | <i>Cecidomyiidae</i>          |     | ✓    |
| BOLD:ACC2942 | Flies (Diptera)         | Gall midge                        | <i>Cecidomyiidae</i>          |     | ✓    |
| BOLD:ACU6160 | Flies (Diptera)         | Gall midge                        | <i>Cecidomyiidae</i>          | ✓   | ✓    |
| BOLD:ACB9316 | Flies (Diptera)         | Gall midge                        | <i>Cecidomyiidae</i>          |     | ✓    |
| BOLD:AAP9039 | Flies (Diptera)         | Gall midge                        | <i>Cecidomyiidae</i>          |     |      |
| BOLD:ACU6762 | Flies (Diptera)         | Gall midge                        | <i>Cecidomyiidae</i>          | ✓   | ✓    |
| BOLD:AAG6475 | Flies (Diptera)         | Biting midge                      | <i>Dasyhelea</i>              |     | ✓    |
| BOLD:ACU6307 | Flies (Diptera)         | Biting midge                      | <i>Ceratopogonidae</i>        | ✓   | ✓    |
| BOLD:ACC8567 | Flies (Diptera)         | Non-biting midge                  | <i>Ablabesmyia</i>            |     |      |
| BOLD:AAB4657 | Flies (Diptera)         | Non-biting midge                  | <i>Chironomus maturus</i>     |     |      |
| BOLD:AAL5996 | Flies (Diptera)         | Snow midge                        | <i>Diamesa nr. hyperborea</i> |     |      |
| BOLD:ACC3893 | Flies (Diptera)         | Non-biting midge                  | <i>Orthocladius</i>           |     | ✓    |
| BOLD:AAB0377 | Flies (Diptera)         | Non-biting midge                  | <i>Smittia</i>                |     |      |
| BOLD:ACU6673 | Flies (Diptera)         | Non-biting midge                  | <i>Smittia</i>                | ✓   | ✓    |
| BOLD:ACU6982 | Flies (Diptera)         | Non-biting midge                  | <i>Chironomidae</i>           | ✓   | ✓    |
| BOLD:ACU7300 | Flies (Diptera)         | Non-biting midge                  | <i>Chironomidae</i>           | ✓   | ✓    |
| BOLD:ACU6262 | Flies (Diptera)         | Non-biting midge                  | <i>Chironomidae</i>           | ✓   | ✓    |
| BOLD:ACU6759 | Flies (Diptera)         | Non-biting midge                  | <i>Chironomidae</i>           | ✓   | ✓    |
| BOLD:ABA6490 | Flies (Diptera)         | Non-biting midge                  | <i>Chironominae</i>           |     |      |
| BOLD:ACU5514 | Flies (Diptera)         | Non-biting midge                  | <i>Chironominae</i>           | ✓   | ✓    |
| BOLD:ACC2618 | Flies (Diptera)         | Non-biting midge                  | <i>Orthocladiinae</i>         |     | ✓    |
| BOLD:AAH4135 | Flies (Diptera)         | Grass fly                         | <i>Thaumatomyia</i>           |     | ✓    |
| BOLD:AAW1499 | Flies (Diptera)         | Mosquito                          | <i>Culicinae</i>              |     | ✓    |

|               |                                  |                         |                               |   |   |
|---------------|----------------------------------|-------------------------|-------------------------------|---|---|
| BOLD:AAN5544  | Flies (Diptera)                  | Vinegar fly             | <i>Scaptomyza flava</i>       |   |   |
| BOLD:AAG2740  | Flies (Diptera)                  | Shore fly               | <i>Philygria</i>              |   |   |
| BOLD:AAP8919  | Flies (Diptera)                  | Heleomyzid fly          | <i>Heleomyza bisetata</i>     |   |   |
| BOLD:ACU7435  | Flies (Diptera)                  | Hybotid dance fly       | Hybotidae                     | ✓ | ✓ |
| BOLD:AAG9974  | Flies (Diptera)                  | Pointed-winged fly      | <i>Lonchoptera</i>            |   |   |
| BOLD:AAG1742  | Flies (Diptera)                  | Muscid fly              | <i>Helina rufitibia</i>       |   |   |
| BOLD:ABU9891  | Flies (Diptera)                  | Muscid fly              | <i>Phaonia</i>                |   |   |
| BOLD:AAG3274  | Flies (Diptera)                  | Scuttle fly             | <i>Megaselia rufipes</i>      |   |   |
| BOLD:ABU5529  | Flies (Diptera)                  | Scuttle fly             | <i>Megaselia</i>              |   |   |
| BOLD:AAG3241  | Flies (Diptera)                  | Scuttle fly             | Phoridae                      |   |   |
| BOLD:ACI3072  | Flies (Diptera)                  | Scuttle fly             | Phoridae                      |   |   |
| BOLD:ACA4277  | Flies (Diptera)                  | Scuttle fly             | Phoridae                      |   |   |
| BOLD:AAP9858  | Flies (Diptera)                  | Scuttle fly             | Phoridae                      |   |   |
| BOLD:ABX8427  | Flies (Diptera)                  | Scuttle fly             | Phoridae                      |   |   |
| BOLD:AAG1657  | Flies (Diptera)                  | Big-headed fly          | <i>Chalarus</i>               |   | ✓ |
| BOLD:AAP4581  | Flies (Diptera)                  | Moth fly                | <i>Psychoda</i>               |   |   |
| BOLD:AAH0022  | Flies (Diptera)                  | Dung fly                | <i>Scathophaga furcata</i>    |   |   |
| BOLD:AAL7869  | Flies (Diptera)                  | Dark-winged fungus gnat | <i>Lycoriella</i>             |   |   |
| BOLD:ACF4135  | Flies (Diptera)                  | Dark-winged fungus gnat | <i>Scatopsicla</i>            |   |   |
| BOLD:ABA6488  | Flies (Diptera)                  | Dark-winged fungus gnat | Sciaridae                     |   |   |
| BOLD:AAH3943  | Flies (Diptera)                  | Dark-winged fungus gnat | Sciaridae                     |   |   |
| BOLD: AAC2855 | Flies (Diptera)                  | Black scavenger fly     | <i>Sepsis</i>                 |   |   |
| BOLD:AAB2384  | Flies (Diptera)                  | Syrphid fly             | <i>Eupeodes americanus</i>    |   |   |
| BOLD:AAB5577  | Flies (Diptera)                  | Syrphid fly             | <i>Syrphus</i>                |   |   |
| BOLD:ACU7840  | True bugs (Hemiptera)            | Minute pirate bug       | Anthocoridae                  |   |   |
| BOLD:AAH2863  | True bugs (Hemiptera)            | Norway maple aphid      | <i>Periphyllus lyropictus</i> |   | ✓ |
| BOLD:ABZ7255  | True bugs (Hemiptera)            | Aphid                   | <i>Pterocomma</i>             |   |   |
| BOLD:AAA9899  | True bugs (Hemiptera)            | Bird cherry oat aphid   | <i>Rhopalosiphum padi</i>     |   | ✓ |
| BOLD:ABA5763  | True bugs (Hemiptera)            | Leafhopper              | <i>Empoasca</i>               |   |   |
| BOLD:AAN8406  | True bugs (Hemiptera)            | Leafhopper              | <i>Empoasca</i>               |   |   |
| BOLD:ACU7199  | True bugs (Hemiptera)            | Leafhopper              | <i>Erythridula</i>            |   | ✓ |
| BOLD:ACN6288  | True bugs (Hemiptera)            | Leafhopper              | Cicadellidae                  |   | ✓ |
| BOLD:AAD4820  | True bugs (Hemiptera)            | Seed bug                | <i>Kleidocerys</i>            |   |   |
| BOLD:ACF4388  | True bugs (Hemiptera)            | Lygus bug               | <i>Lygus</i>                  |   |   |
| BOLD:AAB8143  | True bugs (Hemiptera)            | Damsel bug              | <i>Nabis</i>                  |   |   |
| BOLD:ACU7034  | True bugs (Hemiptera)            | Jumping plant louse     | Psyllidae                     | ✓ | ✓ |
| BOLD:ACT9361  | True bugs (Hemiptera)            | Lace bug                | <i>Corythucha salicata</i>    |   | ✓ |
| BOLD:AAB4830  | Bees, wasps & ants (Hymenoptera) | Bumble bee              | <i>Bombus bifarius</i>        |   |   |
| BOLD:AAD3722  | Bees, wasps & ants (Hymenoptera) | Bee                     | <i>Eucerus</i>                |   | ✓ |
| BOLD:AAA8464  | Bees, wasps & ants (Hymenoptera) | Braconid wasp           | <i>Peristenus</i>             |   |   |
| BOLD:ACE2830  | Bees, wasps & ants (Hymenoptera) | Braconid wasp           | <i>Praon</i>                  |   | ✓ |
| BOLD:ACA6677  | Bees, wasps & ants (Hymenoptera) | Braconid wasp           | Alysiinae                     |   | ✓ |
| BOLD:ACF8939  | Bees, wasps & ants (Hymenoptera) | Braconid wasp           | Alysiinae                     |   |   |
| BOLD:AAU8209  | Bees, wasps & ants (Hymenoptera) | Braconid wasp           | Alysiinae                     |   |   |
| BOLD:AAJ1202  | Bees, wasps & ants (Hymenoptera) | Braconid wasp           | Aphidiinae                    |   | ✓ |
| BOLD:ACJ0843  | Bees, wasps & ants (Hymenoptera) | Gall wasp               | Cynipidae                     |   | ✓ |
| BOLD:ACU6138  | Bees, wasps & ants (Hymenoptera) | Gall wasp               | Cynipidae                     | ✓ | ✓ |
| BOLD:AAU9379  | Bees, wasps & ants (Hymenoptera) | Diapriid wasp           | Diapriidae                    |   | ✓ |
| BOLD:ACL2737  | Bees, wasps & ants (Hymenoptera) | Chalcid wasp            | Eulophidae                    |   | ✓ |
| BOLD:ACI7992  | Bees, wasps & ants (Hymenoptera) | Figitid wasp            | Figitidae                     |   | ✓ |
| BOLD:ACU6255  | Bees, wasps & ants (Hymenoptera) | Figitid wasp            | Figitidae                     | ✓ | ✓ |
| BOLD:AAA4977  | Bees, wasps & ants (Hymenoptera) | Wood ant                | <i>Formica subaenescens</i>   |   |   |
| BOLD:AAF7682  | Bees, wasps & ants (Hymenoptera) | Sweat bee               | <i>Halictus tripartitus</i>   |   | ✓ |
| BOLD:AAD1879  | Bees, wasps & ants (Hymenoptera) | Ichneumon wasp          | <i>Diplazon</i>               |   | ✓ |
| BOLD:AAA6277  | Bees, wasps & ants (Hymenoptera) | Ichneumon wasp          | <i>Gelis</i>                  |   |   |
| BOLD:AAF3508  | Bees, wasps & ants (Hymenoptera) | Ichneumon wasp          | <i>Megastylus</i>             |   | ✓ |
| BOLD:ACG3877  | Bees, wasps & ants (Hymenoptera) | Ichneumon wasp          | <i>Stenomacrus</i>            |   |   |
| BOLD:ACU7323  | Bees, wasps & ants (Hymenoptera) | Ichneumon wasp          | Campopleginae                 | ✓ | ✓ |
| BOLD:AAU9419  | Bees, wasps & ants (Hymenoptera) | Ichneumon wasp          | Campopleginae                 |   | ✓ |
| BOLD:ACU5686  | Bees, wasps & ants (Hymenoptera) | Ichneumon wasp          | Campopleginae                 | ✓ | ✓ |
| BOLD:AAD1926  | Bees, wasps & ants (Hymenoptera) | Ichneumon wasp          | Campopleginae                 |   | ✓ |
| BOLD:AAB1188  | Bees, wasps & ants (Hymenoptera) | Ichneumon wasp          | Orthocentrinae                |   |   |

|               |                                   |                          |                                   |   |   |
|---------------|-----------------------------------|--------------------------|-----------------------------------|---|---|
| BOLD:ACJ6543  | Bees, wasps & ants (Hymenoptera)  | Megaspilid wasp          | <i>Dendrocerus</i>                |   | ✓ |
| BOLD:ACD1467  | Bees, wasps & ants (Hymenoptera)  | Megaspilid wasp          | <i>Megaspilidae</i>               |   | ✓ |
| BOLD:ACG4673  | Bees, wasps & ants (Hymenoptera)  | Megaspilid wasp          | <i>Megaspilidae</i>               |   |   |
| BOLD:AAN7684  | Bees, wasps & ants (Hymenoptera)  | Platygastrid wasp        | <i>Platygaster</i>                |   |   |
| BOLD:AAG7892  | Bees, wasps & ants (Hymenoptera)  | Platygastrid wasp        | <i>Telenomus</i>                  |   |   |
| BOLD:ACI2714  | Bees, wasps & ants (Hymenoptera)  | Platygastrid wasp        | <i>Telenomus</i>                  |   |   |
| BOLD:AAU9338  | Bees, wasps & ants (Hymenoptera)  | Platygastrid wasp        | <i>Telenomus</i>                  |   | ✓ |
| BOLD:ACE0785  | Bees, wasps & ants (Hymenoptera)  | Platygastrid wasp        | <i>Telenomus</i>                  |   |   |
| BOLD:AAZ4476  | Bees, wasps & ants (Hymenoptera)  | Platygastrid wasp        | <i>Telenomus</i>                  |   | ✓ |
| BOLD:ACI2826  | Bees, wasps & ants (Hymenoptera)  | Platygastrid wasp        | <i>Telenomus</i>                  |   | ✓ |
| BOLD:ACD3183  | Bees, wasps & ants (Hymenoptera)  | Platygastrid wasp        | <i>Telenomus</i>                  |   | ✓ |
| BOLD:ACU6719  | Bees, wasps & ants (Hymenoptera)  | Platygastrid wasp        | <i>Platygastridae</i>             | ✓ | ✓ |
| BOLD:ACM6805  | Bees, wasps & ants (Hymenoptera)  | Platygastrid wasp        | <i>Platygastridae</i>             |   | ✓ |
| BOLD:AAU4879  | Bees, wasps & ants (Hymenoptera)  | Platygastrid wasp        | <i>Platygastridae</i>             |   |   |
| BOLD:ACI3036  | Bees, wasps & ants (Hymenoptera)  | Platygastrid wasp        | <i>Platygastridae</i>             |   | ✓ |
| BOLD:ACJ9786  | Bees, wasps & ants (Hymenoptera)  | Platygastrid wasp        | <i>Platygastridae</i>             |   |   |
| BOLD:ACI7758  | Bees, wasps & ants (Hymenoptera)  | Platygastrid wasp        | <i>Platygastridae</i>             |   | ✓ |
| BOLD:ACI3554  | Bees, wasps & ants (Hymenoptera)  | Platygastrid wasp        | <i>Platygastridae</i>             |   | ✓ |
| BOLD:ACC1559  | Bees, wasps & ants (Hymenoptera)  | Platygastrid wasp        | <i>Scelioninae</i>                |   | ✓ |
| BOLD:ACB0692  | Bees, wasps & ants (Hymenoptera)  | Platygastrid wasp        | <i>Scelioninae</i>                |   |   |
| BOLD:AAN8093  | Bees, wasps & ants (Hymenoptera)  | Pteromalid wasp          | <i>Pachyneuron</i>                |   |   |
| BOLD:ACM1360  | Bees, wasps & ants (Hymenoptera)  | Pteromalid wasp          | <i>Pteromalidae</i>               |   |   |
| BOLD:AAU9547  | Bees, wasps & ants (Hymenoptera)  | Pteromalid wasp          | <i>Pteromalidae</i>               |   |   |
| BOLD:ACP9221  | Bees, wasps & ants (Hymenoptera)  | Pteromalid wasp          | <i>Pteromalinae</i>               |   | ✓ |
| BOLD:ACU6659  | Bees, wasps & ants (Hymenoptera)  | Chalcid wasp             | <i>Trichogramma</i>               | ✓ | ✓ |
| BOLD:ACD3251  | Bees, wasps & ants (Hymenoptera)  | Chalcid wasp             | <i>Trichogramma</i>               |   |   |
| BOLD:ACC6467  | Bees, wasps & ants (Hymenoptera)  | Chalcid wasp             | <i>Trichogrammatidae</i>          |   | ✓ |
| BOLD:ACC6466  | Bees, wasps & ants (Hymenoptera)  | Chalcid wasp             | <i>Trichogrammatidae</i>          |   | ✓ |
| BOLD:AAB7105  | Bees, wasps & ants (Hymenoptera)  | European paper wasp      | <i>Polistes dominula</i>          |   |   |
| BOLD:ACU6258  | Bees, wasps & ants (Hymenoptera)  | Hymenoptera species      | <i>Hymenoptera</i>                |   | ✓ |
| BOLD:ACU6042  | Moths & butterflies (Lepidoptera) | Ribbed cocoon-maker moth | <i>Bucculatrigidae</i>            | ✓ | ✓ |
| BOLD:AAA8924  | Moths & butterflies (Lepidoptera) | Leaf blotch miner moth   | <i>Phyllocnistis populiella</i>   |   |   |
| BOLD:AAF6337  | Moths & butterflies (Lepidoptera) | Leaf miner moth          | <i>Phyllocnistis</i>              |   |   |
| BOLD: AAC2121 | Moths & butterflies (Lepidoptera) | Mompha moth              | <i>Mompha unifasciella</i>        |   |   |
| BOLD: AAB9185 | Moths & butterflies (Lepidoptera) | Mompha moth              | <i>Mompha</i>                     |   | ✓ |
| BOLD: ABZ7252 | Moths & butterflies (Lepidoptera) | Owlet moth               | <i>Abagrotis nefascia</i>         |   | ✓ |
| BOLD: AAB9404 | Moths & butterflies (Lepidoptera) | Tortricid moth           | <i>Archips</i>                    |   | ✓ |
| BOLD: AAB0373 | Lacewings (Neuroptera)            | Green lacewing           | <i>Chrysoperla</i>                |   |   |
| BOLD: ABZ0149 | Lacewings (Neuroptera)            | Brown lacewing           | <i>Hemerobius discretus</i>       |   |   |
| BOLD: AAY5288 | Stoneflies (Plecoptera)           | Spring stonefly          | <i>Prostoia besametsa</i>         |   | ✓ |
| BOLD: ACT9820 | Barklice & booklice (Psocoptera)  | Fateful barklouse        | <i>Lachesillidae</i>              |   | ✓ |
| BOLD: ACT9906 | Barklice & booklice (Psocoptera)  | Fateful barklouse        | <i>Lachesillidae</i>              |   | ✓ |
| BOLD: ACM1798 | Thrips (Thysanoptera)             | Thrips                   | <i>Aeolothripidae</i>             |   |   |
| BOLD: AAM5263 | Thrips (Thysanoptera)             | Western flower thrips    | <i>Frankliniella occidentalis</i> |   |   |
| BOLD: ACU5274 | Thrips (Thysanoptera)             | Thrips                   | <i>Thripinae</i>                  |   | ✓ |