



# 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 59 that were deployed for the program.

| BIN          | Group (scientific name)  | Species Common Name               | Scientific Name                   | New | Rare |
|--------------|--------------------------|-----------------------------------|-----------------------------------|-----|------|
| BOLD:AAB7601 | Spiders (Araneae)        | Yellow sac spider                 | <i>Cheiracanthium mildei</i>      |     |      |
| BOLD:AAE0114 | Spiders (Araneae)        | Pirate spider                     | <i>Mimetus notius</i>             |     | ✓    |
| BOLD:AAL5085 | Spiders (Araneae)        | Running crab spider               | <i>Philodromus mineri</i>         |     | ✓    |
| BOLD:ACP8731 | Mites (Arachnida)        | Whirligig mite                    | Anystidae                         | ✓   | ✓    |
| BOLD:ACP8046 | Mites (Arachnida)        | Whirligig mite                    | Anystidae                         |     |      |
| BOLD:ACL6239 | Springtails (Collembola) | Slender springtail                | <i>Entomobrya</i>                 |     |      |
| BOLD:AAU6970 | Beetles (Coleoptera)     | Checkered beetle                  | <i>Enoclerus</i>                  |     |      |
| BOLD:AAB5640 | Beetles (Coleoptera)     | Multicolored Asian lady beetle    | <i>Harmonia axyridis</i>          |     |      |
| BOLD:AAH3320 | Beetles (Coleoptera)     | Twenty-spotted lady beetle        | <i>Psyllobora vigintimaculata</i> |     |      |
| BOLD:ACP8868 | Beetles (Coleoptera)     | Dusky lady beetle                 | <i>Scymnus</i>                    | ✓   | ✓    |
| BOLD:AAP7830 | Beetles (Coleoptera)     | Lady beetle                       | Coccinellidae                     |     | ✓    |
| BOLD:AAH0130 | Beetles (Coleoptera)     | Clover weevil                     | <i>Sitona hispidulus</i>          |     |      |
| BOLD:AAP7027 | Beetles (Coleoptera)     | Flower weevil                     | <i>Tychius picirostris</i>        |     |      |
| BOLD:AAH0256 | Beetles (Coleoptera)     | Minute brown scavenger beetle     | <i>Corticarina</i>                |     |      |
| BOLD:ABG4848 | Beetles (Coleoptera)     | Shining flower beetle             | Phalacridae                       |     |      |
| BOLD:ABX2484 | Beetles (Coleoptera)     | Crab-like rove beetle             | <i>Tachyporus atriceps</i>        |     |      |
| BOLD:ABW2869 | Beetles (Coleoptera)     | False metallic wood-boring beetle | <i>Trixagus</i>                   |     |      |
| BOLD:AAF1051 | Flies (Diptera)          | Leaf miner fly                    | <i>Cerodontha muscina</i>         |     |      |
| BOLD:AAG2511 | Flies (Diptera)          | Bean seed fly                     | <i>Delia platura</i>              |     |      |
| BOLD:AAG2460 | Flies (Diptera)          | Root maggot fly                   | <i>Hydrophoria lancifer</i>       |     |      |
| BOLD:ACP7357 | Flies (Diptera)          | Root maggot fly                   | <i>Hydrophoria</i>                | ✓   | ✓    |
| BOLD:AAG6745 | Flies (Diptera)          | Cluster fly                       | <i>Pollenia pediculata</i>        |     |      |
| BOLD:ABV1222 | Flies (Diptera)          | Gall midge                        | Cecidomyiidae                     |     |      |
| BOLD:AAP9022 | Flies (Diptera)          | Gall midge                        | Cecidomyiidae                     |     |      |
| BOLD:ABA6448 | Flies (Diptera)          | Gall midge                        | Cecidomyiidae                     |     |      |
| BOLD:AAZ5600 | Flies (Diptera)          | Gall midge                        | Cecidomyiidae                     |     |      |
| BOLD:ACP4736 | Flies (Diptera)          | Non-biting midge                  | <i>Smittia</i>                    |     |      |
| BOLD:AAN5342 | Flies (Diptera)          | Non-biting midge                  | Chironomidae                      |     |      |
| BOLD:ACP8274 | Flies (Diptera)          | Frit fly                          | Chloropidae                       | ✓   | ✓    |
| BOLD:AAA7067 | Flies (Diptera)          | Inland floodwater mosquito        | <i>Aedes vexans</i>               |     |      |
| BOLD:AAG0459 | Flies (Diptera)          | Heleomyzid fly                    | <i>Suillia</i>                    |     |      |
| BOLD:ABA0579 | Flies (Diptera)          | Hybotid dance fly                 | <i>Platypalpus unguiculatus</i>   |     | ✓    |
| BOLD:AAB5609 | Flies (Diptera)          | Tiger fly                         | <i>Coenosia tigrina</i>           |     |      |
| BOLD:AAG1711 | Flies (Diptera)          | House fly                         | <i>Helina depuncta</i>            |     |      |
| BOLD:AAG1717 | Flies (Diptera)          | House fly                         | <i>Helina</i>                     |     |      |
| BOLD:AAG1777 | Flies (Diptera)          | House fly                         | <i>Schoenomyza</i>                |     |      |
| BOLD:ACE9475 | Flies (Diptera)          | House fly                         | Muscidae                          |     |      |
| BOLD:ABU5529 | Flies (Diptera)          | Scuttle fly                       | <i>Megaselia</i>                  |     |      |
| BOLD:AAL9075 | Flies (Diptera)          | Scuttle fly                       | Phoridae                          |     |      |
| BOLD:AAG6756 | Flies (Diptera)          | Flesh fly                         | <i>Boettcheria cimbicis</i>       |     |      |
| BOLD:AAG6743 | Flies (Diptera)          | Common flesh fly                  | <i>Sarcophaga carnaria</i>        |     |      |
| BOLD:AAH3939 | Flies (Diptera)          | Dark-winged fungus gnat           | <i>Bradysia placida</i>           |     |      |
| BOLD:ABA1215 | Flies (Diptera)          | Dark-winged fungus gnat           | <i>Lycoriella castanescens</i>    |     |      |
| BOLD:AAN6447 | Flies (Diptera)          | Dark-winged fungus gnat           | Sciaridae                         |     |      |
| BOLD:AAN6770 | Flies (Diptera)          | Dark-winged fungus gnat           | Sciaridae                         |     |      |
| BOLD:ABA6407 | Flies (Diptera)          | Dark-winged fungus gnat           | Sciaridae                         |     |      |
| BOLD:AAA9506 | Flies (Diptera)          | Hover fly                         | <i>Platycheirus</i>               |     |      |
| BOLD:AAZ4669 | Flies (Diptera)          | Tachinid fly                      | <i>Oswaldia assimilis</i>         |     | ✓    |
| BOLD:AAN6458 | Flies (Diptera)          | Tachinid fly                      | Tachinidae                        |     |      |
| BOLD:AAB7938 | True bugs (Hemiptera)    | Soybean aphid                     | <i>Aphis glycines</i>             |     |      |
| BOLD:ACF4455 | True bugs (Hemiptera)    | Giant aphid                       | <i>Eulachnus agilis</i>           |     | ✓    |

|              |                                  |                       |                                |   |   |
|--------------|----------------------------------|-----------------------|--------------------------------|---|---|
| BOLD:AAA6213 | True bugs (Hemiptera)            | Aphid                 | <i>Macrosiphum</i>             |   |   |
| BOLD:AAE3464 | True bugs (Hemiptera)            | Aphid                 | <i>Myzocallis</i>              |   | ✓ |
| BOLD:AAE3554 | True bugs (Hemiptera)            | Waterlily aphid       | <i>Rhopalosiphum nymphaeae</i> |   |   |
| BOLD:AAA9899 | True bugs (Hemiptera)            | Bird cherry oat aphid | <i>Rhopalosiphum padi</i>      |   |   |
| BOLD:ACI4702 | True bugs (Hemiptera)            | Aphid                 | <i>Schizaphis graminum</i>     |   | ✓ |
| BOLD:ACI4644 | True bugs (Hemiptera)            | Aphid                 | <i>Subsalsusaphis</i>          |   | ✓ |
| BOLD:AAF8506 | True bugs (Hemiptera)            | Aphid                 | <i>Uroleucon anomalae</i>      |   | ✓ |
| BOLD:AAG5616 | True bugs (Hemiptera)            | Aphid                 | <i>Uroleucon luteolum</i>      |   |   |
| BOLD:AAZ2091 | True bugs (Hemiptera)            | Spittlebug            | <i>Aphrophora</i>              |   |   |
| BOLD:AAG8827 | True bugs (Hemiptera)            | Spittlebug            | <i>Lepyronia</i>               |   |   |
| BOLD:AAB1850 | True bugs (Hemiptera)            | Spittlebug            | <i>Philaenus</i>               |   |   |
| BOLD:AAY6741 | True bugs (Hemiptera)            | Leafhopper            | <i>Empoasca decipiens</i>      |   |   |
| BOLD:AAG2873 | True bugs (Hemiptera)            | Leafhopper            | <i>Empoasca</i>                |   |   |
| BOLD:ACC8165 | True bugs (Hemiptera)            | Leafhopper            | <i>Forcipata loca</i>          |   |   |
| BOLD:ACL2777 | True bugs (Hemiptera)            | Leafhopper            | <i>Grypotes puncticollis</i>   |   | ✓ |
| BOLD:ABX2622 | True bugs (Hemiptera)            | Japanese leafhopper   | <i>Orientalis ishidae</i>      |   |   |
| BOLD:ACP8661 | True bugs (Hemiptera)            | Leafhopper            | <i>Typhlocyba pomaria</i>      | ✓ | ✓ |
| BOLD:AAF5980 | True bugs (Hemiptera)            | Leafhopper            | <i>Typhlocyba pomaria</i>      |   |   |
| BOLD:ACJ7184 | True bugs (Hemiptera)            | Leafhopper            | <i>Typhlocyba</i>              |   |   |
| BOLD:ABW7690 | True bugs (Hemiptera)            | Jumping plant louse   | Aphalarinae                    |   |   |
| BOLD:ABW3282 | Bees, wasps & ants (Hymenoptera) | Chalcid wasp          | <i>Aphelinus varipes</i>       |   |   |
| BOLD:ABA5901 | Bees, wasps & ants (Hymenoptera) | Chalcid wasp          | Aphelinidae                    |   |   |
| BOLD:ACF4786 | Bees, wasps & ants (Hymenoptera) | Braconid wasp         | <i>Aphidius</i>                |   |   |
| BOLD:ACE5710 | Bees, wasps & ants (Hymenoptera) | Braconid wasp         | <i>Dinotrema</i>               |   |   |
| BOLD:ABA6301 | Bees, wasps & ants (Hymenoptera) | Braconid wasp         | Alysiinae                      |   | ✓ |
| BOLD:AAU8585 | Bees, wasps & ants (Hymenoptera) | Braconid wasp         | Aphidiinae                     |   |   |
| BOLD:ACP9133 | Bees, wasps & ants (Hymenoptera) | Braconid wasp         | Meteorinae                     | ✓ | ✓ |
| BOLD:AAQ2892 | Bees, wasps & ants (Hymenoptera) | Braconid wasp         | Rhyssalinae                    |   |   |
| BOLD:AAG3199 | Bees, wasps & ants (Hymenoptera) | Square-headed wasp    | <i>Ectemnius cephalotes</i>    |   | ✓ |
| BOLD:ABA5904 | Bees, wasps & ants (Hymenoptera) | Gall wasp             | Cynipidae                      |   | ✓ |
| BOLD:AAU8618 | Bees, wasps & ants (Hymenoptera) | Gall wasp             | Cynipidae                      |   |   |
| BOLD:AAA7203 | Bees, wasps & ants (Hymenoptera) | Chalcid wasp          | <i>Copidosoma floridanum</i>   |   |   |
| BOLD:AAZ0163 | Bees, wasps & ants (Hymenoptera) | Chalcid wasp          | <i>Copidosoma</i>              |   |   |
| BOLD:AAZ9201 | Bees, wasps & ants (Hymenoptera) | Chalcid wasp          | Encyrtidae                     |   |   |
| BOLD:AAU8565 | Bees, wasps & ants (Hymenoptera) | Chalcid wasp          | <i>Baryscapus</i>              |   | ✓ |
| BOLD:ACP8361 | Bees, wasps & ants (Hymenoptera) | Chalcid wasp          | Tetrastichinae                 | ✓ | ✓ |
| BOLD:ACP9071 | Bees, wasps & ants (Hymenoptera) | Chalcid wasp          | Tetrastichinae                 | ✓ | ✓ |
| BOLD:ACK3704 | Bees, wasps & ants (Hymenoptera) | Figitid wasp          | <i>Alloxysta</i>               |   |   |
| BOLD:ABZ0938 | Bees, wasps & ants (Hymenoptera) | Ant                   | <i>Myrmica</i>                 |   |   |
| BOLD:AAA1840 | Bees, wasps & ants (Hymenoptera) | Ant                   | <i>Myrmica</i>                 |   |   |
| BOLD:AAB8259 | Bees, wasps & ants (Hymenoptera) | Pavement ant          | <i>Tetramorium</i>             |   |   |
| BOLD:AAA7513 | Bees, wasps & ants (Hymenoptera) | Sweat bee             | <i>Lasioglossum laevisimum</i> |   |   |
| BOLD:AAA3782 | Bees, wasps & ants (Hymenoptera) | Sweat bee             | <i>Lasioglossum</i>            |   |   |
| BOLD:ABZ4363 | Bees, wasps & ants (Hymenoptera) | Ichneumon wasp        | <i>Cymodusa distincta</i>      |   |   |
| BOLD:AAH1683 | Bees, wasps & ants (Hymenoptera) | Ichneumon wasp        | <i>Oresbius taeniatus</i>      |   |   |
| BOLD:AAN8195 | Bees, wasps & ants (Hymenoptera) | Ichneumon wasp        | <i>Picrostigeus</i>            |   |   |
| BOLD:AAD5194 | Bees, wasps & ants (Hymenoptera) | Ichneumon wasp        | <i>Pimpla</i>                  |   |   |
| BOLD:AAG0387 | Bees, wasps & ants (Hymenoptera) | Ichneumon wasp        | <i>Pimpla</i>                  |   |   |
| BOLD:AAM7494 | Bees, wasps & ants (Hymenoptera) | Ichneumon wasp        | <i>Stenomacrus nemoralis</i>   |   |   |
| BOLD:AAP6689 | Bees, wasps & ants (Hymenoptera) | Ichneumon wasp        | <i>Stenomacrus</i>             |   |   |
| BOLD:AAG7697 | Bees, wasps & ants (Hymenoptera) | Ichneumon wasp        | Banchinae                      |   | ✓ |
| BOLD:ACP8184 | Bees, wasps & ants (Hymenoptera) | Ichneumon wasp        | Cryptinae                      | ✓ | ✓ |
| BOLD:AAU9311 | Bees, wasps & ants (Hymenoptera) | Ichneumon wasp        | Cryptinae                      |   | ✓ |
| BOLD:AAE9438 | Bees, wasps & ants (Hymenoptera) | Ichneumon wasp        | Cryptinae                      |   |   |
| BOLD:AAW0431 | Bees, wasps & ants (Hymenoptera) | Ichneumon wasp        | Ichneumonidae                  |   |   |
| BOLD:AAG7695 | Bees, wasps & ants (Hymenoptera) | Ichneumon wasp        | Ichneumoninae                  |   |   |
| BOLD:ABV3623 | Bees, wasps & ants (Hymenoptera) | Ichneumon wasp        | Metopiinae                     |   | ✓ |
| BOLD:AAH1851 | Bees, wasps & ants (Hymenoptera) | Ichneumon wasp        | Banchinae                      |   |   |
| BOLD:ACP9398 | Bees, wasps & ants (Hymenoptera) | Megaspilid wasp       | Megaspilidae                   | ✓ | ✓ |
| BOLD:ACC7176 | Bees, wasps & ants (Hymenoptera) | Megaspilid wasp       | Megaspilidae                   |   | ✓ |
| BOLD:ABV2750 | Bees, wasps & ants (Hymenoptera) | Megaspilid wasp       | Megaspilidae                   |   |   |
| BOLD:AAU9004 | Bees, wasps & ants (Hymenoptera) | Fairyfly              | <i>Anagrus</i>                 |   |   |

|              |                                      |                           |                                     |   |   |
|--------------|--------------------------------------|---------------------------|-------------------------------------|---|---|
| BOLD:ABZ2703 | Bees, wasps & ants (Hymenoptera)     | Fairyfly                  | <i>Anagrus</i>                      |   | ✓ |
| BOLD:ACM1143 | Bees, wasps & ants (Hymenoptera)     | Fairyfly                  | <i>Anaphes</i>                      |   |   |
| BOLD:AAU9165 | Bees, wasps & ants (Hymenoptera)     | Fairyfly                  | <i>Gonatocerus</i>                  |   |   |
| BOLD:AAU8575 | Bees, wasps & ants (Hymenoptera)     | Platygastrid wasp         | <i>Amblyaspis</i>                   |   |   |
| BOLD:ABZ8208 | Bees, wasps & ants (Hymenoptera)     | Platygastrid wasp         | <i>Leptasis</i>                     |   |   |
| BOLD:AAG7883 | Bees, wasps & ants (Hymenoptera)     | Platygastrid wasp         | <i>Leptasis</i>                     |   |   |
| BOLD:AAU8671 | Bees, wasps & ants (Hymenoptera)     | Platygastrid wasp         | <i>Synopeas</i>                     |   |   |
| BOLD:ABW3162 | Bees, wasps & ants (Hymenoptera)     | Platygastrid wasp         | <i>Synopeas</i>                     |   |   |
| BOLD:ABW3265 | Bees, wasps & ants (Hymenoptera)     | Platygastrid wasp         | <i>Synopeas</i>                     |   | ✓ |
| BOLD:AAG7958 | Bees, wasps & ants (Hymenoptera)     | Platygastrid wasp         | <i>Synopeas</i>                     |   | ✓ |
| BOLD:AAU8605 | Bees, wasps & ants (Hymenoptera)     | Platygastrid wasp         | <i>Synopeas</i>                     |   |   |
| BOLD:ACI7205 | Bees, wasps & ants (Hymenoptera)     | Platygastrid wasp         | <i>Synopeas</i>                     |   |   |
| BOLD:ACP8937 | Bees, wasps & ants (Hymenoptera)     | Platygastrid wasp         | <i>Synopeas</i>                     | ✓ | ✓ |
| BOLD:AAV9192 | Bees, wasps & ants (Hymenoptera)     | Platygastrid wasp         | <i>Telenomus</i>                    |   |   |
| BOLD:AAU8578 | Bees, wasps & ants (Hymenoptera)     | Platygastrid wasp         | <i>Telenomus</i>                    |   |   |
| BOLD:AAN8098 | Bees, wasps & ants (Hymenoptera)     | Platygastrid wasp         | <i>Telenomus</i>                    |   |   |
| BOLD:ABW3189 | Bees, wasps & ants (Hymenoptera)     | Platygastrid wasp         | <i>Telenomus</i>                    |   | ✓ |
| BOLD:AAU8566 | Bees, wasps & ants (Hymenoptera)     | Platygastrid wasp         | Platygastridae                      |   |   |
| BOLD:AAU8717 | Bees, wasps & ants (Hymenoptera)     | Platygastrid wasp         | Platygastridae                      |   |   |
| BOLD:ABV2752 | Bees, wasps & ants (Hymenoptera)     | Platygastrid wasp         | Scelioninae                         |   | ✓ |
| BOLD:AAG8271 | Bees, wasps & ants (Hymenoptera)     | Platygastrid wasp         | Platygastridae                      |   |   |
| BOLD:AAG7880 | Bees, wasps & ants (Hymenoptera)     | Platygastrid wasp         | Platygastridae                      |   |   |
| BOLD:AAU8342 | Bees, wasps & ants (Hymenoptera)     | Platygastrid wasp         | Platygastridae                      |   |   |
| BOLD:ACP7995 | Bees, wasps & ants (Hymenoptera)     | Platygastrid wasp         | Platygastridae                      | ✓ | ✓ |
| BOLD:ACD3193 | Bees, wasps & ants (Hymenoptera)     | Platygastrid wasp         | Platygastrinae                      |   |   |
| BOLD:AAC4262 | Moths & butterflies (Lepidoptera)    | Goldenrod leaf miner moth | <i>Cremastobombycia solidaginis</i> |   |   |
| BOLD:AAA5224 | Dragonflies (Odonata)                | Meadowhawk                | <i>Sympetrum</i>                    |   | ✓ |
| BOLD:ACF0478 | Grasshoppers & crickets (Orthoptera) | Spur-throated grasshopper | <i>Melanoplus</i>                   |   |   |
| BOLD:AAH3228 | Barklice & booklice (Psocoptera)     | Lizard barklouse          | <i>Valenzuela</i>                   |   |   |
| BOLD:AAF1729 | Barklice & booklice (Psocoptera)     | Fateful barklouse         | Lachesillidae                       |   |   |
| BOLD:ABA6550 | Barklice & booklice (Psocoptera)     | Barklouse                 | Psocoptera                          |   |   |
| BOLD:AAN8719 | Thrips (Thysanoptera)                | Tube-tailed thrips        | Phlaeothripidae                     |   | ✓ |