Table 1. A trait matrix of the fifty sampled solitary cavity-nesting wasp and bee species in this study

| Family | Genus | Species | Native status | Nesting material | Diet | Voltinism | Body size (ITD) |
| --- | --- | --- | --- | --- | --- | --- | --- |
| *Megachilidae* | *Anthidium* | *manicatum* | 0 | leaf | pollen | 1 | 4.20 |
| *Apidae* | *Anthophora* | *terminalis* | 1 | scrapings | pollen | 1 | 4.50 |
| *Megachilidae* | *Chelostoma* | *rapunculi* | 0 | mud | pollen | 1 | 1.13 |
| *Megachilidae* | *Chelostoma* | *campanularum* | 0 | mud | pollen | 1 | 1.11 |
| *Megachilidae* | *Heriades* | *carinata* | 1 | resin | pollen | 1 | 1.26 |
| *Megachilidae* | *Heriades* | *variolosa* | 1 | resin | pollen | 1 | 1.30 |
| *Megachilidae* | *Hoplitis* | *producta* | 1 | leaf | pollen | 1 | 1.83 |
| *Megachilidae* | *Hoplitis* | *spoliata* | 1 | leaf | pollen | 1 | 2.62 |
| *Megachilidae* | *Hoplitis* | *truncata* | 0 | leaf | pollen | 1 | 2.40 |
| *Colletidae* | *Hylaeus* | *affinis* | 1 | secretions | pollen | 2 | 1.28 |
| *Colletidae* | *Hylaeus* | *annulatus* | 1 | secretions | pollen | 2 | 1.23 |
| *Colletidae* | *Hylaeus* | *hyalinatus* | 0 | secretions | pollen | 2 | 1.30 |
| *Colletidae* | *Hylaeus* | *leptocephalus* | 0 | secretions | pollen | 2 | 1.30 |
| *Colletidae* | *Hylaeus* | *mesillae* | 1 | secretions | pollen | 2 | 1.20 |
| *Colletidae* | *Hylaeus* | *modestus* | 1 | secretions | pollen | 2 | 1.42 |
| *Colletidae* | *Hylaeus* | *punctatus* | 0 | secretions | pollen | 2 | 1.30 |
| *Colletidae* | *Hylaeus* | *verticalis* | 1 | secretions | pollen | 2 | 1.30 |
| *Megachilidae* | *Megachile* | *brevis* | 1 | leaf | pollen | 1 | 3.00 |
| *Megachilidae* | *Megachile* | *campanulae* | 1 | resin | pollen | 1 | 2.10 |
| *Megachilidae* | *Megachile* | *centuncularis* | 0 | leaf | pollen | 2 | 2.57 |
| *Megachilidae* | *Megachile* | *frigida* | 1 | leaf | pollen | 1 | 3.49 |
| *Megachilidae* | *Megachile* | *inermis* | 1 | leaf | pollen | 1 | 4.30 |
| *Megachilidae* | *Megachile* | *mendica* | 1 | leaf | pollen | 1 | 3.40 |
| *Megachilidae* | *Megachile* | *pugnata* | 1 | leaf and mud | pollen | 1 | 3.24 |
| *Megachilidae* | *Megachile* | *relativa* | 1 | leaf | pollen | 1 | 2.78 |
| *Megachilidae* | *Megachile* | *rotundata* | 0 | leaf | pollen | 2 | 3.13 |
| *Megachilidae* | *Megachile* | *sculpturalis* | 0 | resin | pollen | 1 | 4.05 |
| *Megachilidae* | *Osmia* | *atriventris* | 1 | leaf | pollen | 1 | 1.49 |
| *Megachilidae* | *Osmia* | *caerulescens* | 0 | leaf | pollen | 2 | 2.60 |
| *Megachilidae* | *Osmia* | *lignaria* | 1 | mud | pollen | 1 | 2.43 |
| *Megachilidae* | *Osmia* | *pumila* | 1 | leaf | pollen | 1 | 1.62 |
| *Vespidae* | *Ancistrocerus* | *adiabatus* | 1 | mud | caterpillar | 2 | 1.69 |
| *Vespidae* | *Ancistrocerus* | *antilope* | 1 | mud | caterpillar | 2 | 2.35 |
| *Vespidae* | *Ancistrocerus* | *gazella* | 0 | mud | caterpillar | 2 | NA |
| *Pompilidae* | *Auplopus* | *mellipes* | 1 | mud | spider | 1 | 1.37 |
| *Pompilidae* | *Dipogon* | *sayi* | 1 | mud | spider | 1 | 0.88 |
| *Vespidae* | *Euodynerus* | *foraminatus* | 1 | mud | caterpillar | 2 | 1.90 |
| *Vespidae* | *Euodynerus* | *planitarsis* | 1 | mud | caterpillar | 2 | 2.11 |
| *Sphecidae* | *Isodontia* | *mexicana* | 1 | grass | katydid | 1 | 2.36 |
| *Vespidae* | *Monobia* | *quadridrens* | 1 | mud | caterpillar | 1 | NA |
| *Crabronidae* | *Passaloecus* | *cuspidatus* | 1 | resin | aphid | 2 | 0.88 |
| *Crabronidae* | *Passaloecus* | *gracilis* | 0 | resin | aphid | 2 | 1.11 |
| *Crabronidae* | *Psenulus* | *pallipes* | 0 | resin | aphid | 2 | 1.14 |
| *Vespidae* | *Symmorphus* | *albomarginatus* | 1 | mud | beetle larva | 2 | NA |
| *Vespidae* | *Symmorphus* | *bifasciatus* | 0 | mud | beetle larva | 2 | NA |
| *Vespidae* | *Symmorphus* | *canadensis* | 1 | mud | beetle larva | 2 | 1.37 |
| *Vespidae* | *Symmorphus* | *cristatus* | 1 | mud | beetle larva | 2 | 1.04 |
| *Crabronidae* | *Trypoxylon* | *collinum* | 1 | mud | spider | 1 | 1.93 |
| *Crabronidae* | *Trypoxylon* | *frigidum* | 1 | mud | spider | 2 | 1.21 |
| *Crabronidae* | *Trypoxylon* | *lactitarse* | 1 | mud | spider | 1 | 2.77 |