**Table S3.** Insect families unique to a single plant type.

|  |  |  |  |
| --- | --- | --- | --- |
| **Plant type** | **Insect order** | **Insect family** | **Number of individuals captured** |
| Rose | Coleoptera | Chrysomelidae | 3 |
| Bruchidae | 1 |
| Buprestidae | 1 |
| Dermestidae | 1 |
| Eucnemidae | 1 |
| Diptera | Acroceridae | 1 |
| Anthomyiidae | 1 |
| Hemiptera | Aleyrodidae | 2 |
| Nabidae | 1 |
| Hymenoptera | Cynipidae | 6 |
| Ichneumonidae | 1 |
| Mymaridae | 1 |
| Tenthredinidae | 1 |
| Trichogrammatidae | 1 |
| Thysanoptera | Stenopsocidae | 1 |
| Lepidoptera | Heliozelidae | 1 |
| Hesperiidae | 1 |
| Trichoptera | Glossosomatidae | 1 |
| Philopotamidae | 1 |
| Russian olive | Coleoptera | Mordellidae | 1 |
| Diptera | Chloropidae | 4 |
| Muscidae | 1 |
| Trixoscelididae | 2 |
| Ephemeroptera | Ephemeridae | 1 |
| Heptageniidae | 1 |
| Hemiptera | Adelgidae | 1 |
| Pseudococcidae | 1 |
| Hymenoptera | Eupelmidae | 1 |
| Perilampidae | 1 |
| Sphecidae | 1 |
| Orthoptera | Gryllidae | 2 |
| Psocoptera | Psocidae | 1 |
| Saskatoon | Coleoptera | Tenebrionidae | 1 |
| Diptera | Culicidae | 1 |
| Chaoboridae | 1 |
| Syrphidae | 1 |
| Tachinidae | 1 |
| Hemiptera | Eriosomatidae | 1 |
| Rhopalidae | 2 |
| Hymenoptera | Bethylidae | 1 |
| Braconidae | 1 |