**S4 Table. Checklist of the saproxylic beetle species.** Saproxylic beetle species and abundance at each tree species from remnants riparian cloud forest, in “La Antigua” basin; central Veracruz

|  |  |  |
| --- | --- | --- |
| **Families** | **Species** | **Tree species** |
|  |  | ***Alnus******acuminata*** | ***Clethra******mexicana*** | ***Heliocarpus******americanus*** | ***Liquidambar******styraciflua*** | ***Quercus******corrugata*** | ***Quercus******glabrescens*** | ***Quercus*** ***oleoides*** | ***Tabebuia*** ***rosea*** | ***Trema*** ***micrantha*** |
| **Carabidae** | *Clinidium mexicanum* | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 |
|  | *Elaphropus microspilus* | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
|  | *Euchroa lasvigas* | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | *Pachyteles mexicanus* | 2 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 |
|  | *Phloeoxena batesi* | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | *Platynus acutulus* | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | *Platynus amplicollis* | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
|  | *Platynus cupripennis* | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 |
|  | *Platynus variabilis* | 0 | 4 | 0 | 2 | 2 | 0 | 0 | 0 | 3 |
| **Dynastidae** | *Hemiphileurus dejeani* | 0 | 7 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| **Leiodidae** | *Agathidium sp.* | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| **Passalidae** | *Heliscus tropicus* | 0 | 74 | 0 | 63 | 13 | 0 | 0 | 1 | 10 |
|  | *Odontotaenius striatopunctatus* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
|  | *Proculejus sp. (chica)* | 0 | 0 | 0 | 7 | 3 | 0 | 0 | 0 | 0 |
|  | *Proculejus sp. (grande)* | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
|  | *Pseudacanthus aztecus* | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| **Ptilodactylidae** | *Ptilodactyla sp.* | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Scarabaeidae**  | *Macraspis chrysis* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
|  | *Parisolea pallida* | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| **Staphyllinidae** | *Aleocharinae sp.2* | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 |
|  | *Aleocharinae sp.3* | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
|  | *Belonuchus sp.1* | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | *Bolitogyrus sp.1* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
|  | *Clavilispinus sp.1* | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 4 |
|  | *Clavilispinus sp.2* | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
|  | *Euconnus sp.* | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
|  | *Homalolinus sp.1* | 0 | 4 | 0 | 1 | 4 | 0 | 0 | 0 | 2 |
|  | *Homalolinus sp.2*  | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 |
|  | *Leptochirus sp.1* | 0 | 0 | 0 | 1 | 8 | 0 | 0 | 0 | 1 |
|  | *Leptochirus sp.2* | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
|  | *Misantlius sp.1* | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 |
|  | *Neoxantholinus sp.1* | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
|  | *Osorius sp.1* | 0 | 22 | 0 | 42 | 4 | 0 | 0 | 0 | 0 |
|  | *Priochirus sp.1* | 0 | 8 | 0 | 12 | 1 | 0 | 0 | 0 | 0 |
|  | *Priochirus sp.2* | 0 | 4 | 0 | 8 | 1 | 0 | 0 | 0 | 5 |
|  | *Sepedophilus sp.1* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
|  | *Suniocharis sp.1* | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 |
|  | *Suniocharis sp.2* | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Tenebrionidae** | *Anaedus mexicanus* | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | *Arrhabaeus sp.* | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | *Diceroderes mexicanus* | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
|  | *Platydema maculipennis* | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | *Uloma fossulata*  | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | *Uloma mexicana* | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| **Zopheridae** | *Verodes asperatus* | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
|  | **Total** | **2** | **145** | **0** | **153** | **62** | **0** | **1** | **1** | **31** |