**Table S1.** Collection details for field populations of *Megalurothrips usitatus* and *Thrips palmi*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Insect | Year | Location | Date | Geographic location | Host plant |
| *Megalurothrips usitatus* (Bagnall) | 2021 | Haikou, Hainan | June 2021 | 19°71’ N, 110°29’ E | cowpea (*Vigna unguiculata* L.) |
| Sanya, Hainan | August 2021 | 18°22’ N, 109°09’ E | cowpea (*Vigna unguiculata* L.) |
| 2022 | Haikou, Hainan | May 2022 | 19°71’ N, 110°29’ E | cowpea (*Vigna unguiculata* L.) |
| Sanya, Hainan | May 2022 | 18°22’ N, 109°09’ E | cowpea (*Vigna unguiculata* L.) |
| 2023 | Haikou, Hainan | July 2023 | 19°71’ N, 110°29’ E | cowpea (*Vigna unguiculata* L.) |
| Sanya, Hainan | July 2023 | 18°22’ N, 109°09’ E | cowpea (*Vigna unguiculata* L.) |
| *Thrips palmi* (Karny) | 2021 | Haikou, Hainan | April 2021 | 19°75’ N, 110°50’ E | Eggplant (*Solanum melongena* L.) |
| Sanya, Hainan | November 2021 | 18°39’ N, 109°15’ E | Eggplant (*Solanum melongena* L.) |
| 2022 | Haikou, Hainan | April 2022 | 19°75’ N, 110°50’ E | Eggplant (*Solanum melongena* L.) |
| Sanya, Hainan | November 2022 | 18°39’ N, 109°15’ E | Eggplant (*Solanum melongena* L.) |
| 2023 | Haikou, Hainan | April 2023 | 19°75’ N, 110°50’ E | Eggplant (*Solanum melongena* L.) |
| Sanya, Hainan | August 2023 | 18°39’ N, 109°15’ E | Eggplant (*Solanum melongena* L.) |