Table S1 General information of 11 populations of *Mikania micrantha* in this study.

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| --- | --- | --- | --- | --- |
| Population | Location | Longitude (°E) | Latitude (°N) | Number of samples |
| MS | Mang City, Dehong State, Yunnan Province | 98°35´59″ | 24°25´40″ | 40 |
| RL | Ruili City, Dehong State, Yunnan Province | 97°53´47″ | 24°02´42″ | 46 |
| LC | Longchuan Couty, Dehong State, Yunnan Province | 97°47´53″ | 24°10´47″ | 30 |
| YJ | Yingjiang County, Dehong State, Yunnan Province | 97°57´11″ | 24°42´49″ | 34 |
| LuC | Luchuan County, Yulin City, Guangxi Province | 110°16´14″ | 22°20´02″ | 44 |
| BB | Bobai County, Yulin City, Guangxi Province | 110°00´23″ | 22°03´03″ | 44 |
| HK | Haikou City, Hainan Province | 110°15´51″ | 19°54´26″ | 48 |
| WC | Wenchang City, Hainan Province | 110°46´27″ | 19°34´10″ | 44 |
| LG | Lingao City, Hainan Province | 109°42´22″ | 19°53´55″ | 47 |
| SZ | Shenzhen City, Guangdong Province | 114°14´26″ | 22°36´27″ | 30 |
| HD | Huidong County, Huizhou City, Guangdong Province | 114°39´35″ | 22°56´47″ | 20 |