**Supplemental material：**

**Table S1** Details of three species of *Akebia* samples.

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| **Sample No. and Spceies** | **Source** | **Collection Time** |
| S1-S9, *Akebia trifoliata* (Thunb.) Koidz. var. australis（Diels）Rehd. | Huangshan City, Anhui Province; Anqing City, Anhui Provinc; Taizhou City, Zhejiang Province, China | 2020.08-2020.10 |
| S10-S18, *Akebia trifoliata* (Thunb.) Koidz. | Wanzhou City, Chongqing; Zigong City, Sichuan Province; Anqing City, Anhui Provinc, China  | 2020.07-2020.09 |
| S19-S27, *Akebia quinata* (Thunb.) Decne. | Xianju county, Taizhou City, Zhejiang Province; Huangshan City, Anhui Province; Zigong City, Sichuan Province, China  | 2020.08-2020.9 |