

Table S1. Sample information of *Melastoma* species used in this study.

Species	Location	Sample size	Voucher
<i>M. candidum</i>	Bamen Bay, Wenchang, Hainan, China	1	Zhou2021001
<i>M. sanguineum</i>	Bajia, Yangchun, Guangdong, China	1	Zhou2021002
<i>M. dodecandrum</i>	Tonghe, Guangzhou, Guangdong, China	1	Zhou2021003
<i>M. imbricatum</i>	Nanxi, Hekou, Yunnan, China	1	Zhou2021004
<i>M. dendrisetosum</i>	Diaoluoshan, Lingshui, Hainan, China	1	Zhou2021005
<i>M. normale</i>	Tangjiawan, Zhuhai, Guangdong, China	1	Zhou2021006
<i>M. malabathricum</i>	Zhenlong, Guangzhou, Guangdong, China	1	Zhou2021007
	Diaoluoshan, Lingshui, Hainan, China	5	Zhou2021008-Zhou2021012
<i>M. penicillatum</i>	Wuzhishan, Qiongzong, Hainan, China	5	Zhou2021013-Zhou2021017
	Jianfengling, Lechang, Hainan, China	5	Zhou2021018-Zhou2021022