

Supplementary Material

Table S1. Distribution of species in present study of the genus *Mollitrichosiphum*.

Subgenus	Species	Distribution
<i>Mollitrichosiphum</i>	<i>M. godavariense</i>	Nepal: Kathmandu (Godawari)
	<i>M. nigriabdominalis</i>	India: Sikkim (Sanklang)
	<i>M. tenuicorpus</i>	China: Hainan (Jianfengling, Diaoluoshan, Changjiang), Yunnan (Baoshan, Ruili, Simao), Fujian (Wuyishan, Nanjing, Huboliao, Jiangle), Guangxi (Huaping, Shiwandashan, Damingshan, Guilin, Shangsi), Guangdong (Chebaling), Tibet (Motuo), Taiwan (Suisha, Botan); India: Meghalaya (Shillong), Sikkim (Gangtok, Sanklang); Indonesia: Java; Japan, Korea, Thailand
	<i>M. trilokum</i>	India: Sikkim (Gangtok)
<i>Metatrichosiphon</i>	<i>M. buddleiae</i>	India: Uttar Pradesh (Gourikund), Sikkim (Pelling); Nepal: Nagarkot
	<i>M. kazirangi</i>	India: Assam (Kaziranga sanctuary)
	<i>M. montanum</i>	China: Tibet (Zhangmu, Linzhi), Yunnan (Qingliang); India: Meghalaya, Uttar Pradesh (Kausani), West Bengal (Durbin, Kalimpong), Sikkim (Gangtok); Nepal: Godawari, Nagarkot, Nagarjun, Narayansthan
	<i>M. nandii</i>	China: Yunnan (Baoshan), Tibet (Tongmai, Motuo), Sichuan (Xichang); India: West Bengal (Kalimpong), Sikkim
	<i>M. rhusae</i>	China: Hainan (Lingshui, Wuzhishan, Diaoluoshan,); India: Meghalaya (Shillong)
	<i>M. elongatum</i>	Indonesia: Java
	<i>M. syzygii</i>	Indonesia: Java

Table S1. Cont.

Subgenus	Species	Distribution
<i>Metatrichosiphon</i>	<i>M. luchuanum</i>	China: Fujian (Wuyishan), Guangdong (Nanling)
	<i>M. nigrofasciatum</i>	China: Fujian (Wuyishan, Liangyeshan), Guangdong (Chebaling, Nanling), Hainan (Lingshui), Hunan (Leiling), Guangxi (Shiwandashan), Zhejiang (Anji, Taishun); Japan
	<i>M. nigrum</i>	China: Fujian (Wuyishan), Guangxi (Xingan, Longsheng), Hunan (Mangshan), Guangdong (Nanling)
	<i>M. yamabii</i>	China: Fujian (Wuyishan), Taiwan, Hong Kong
	<i>M. niitakaensis</i>	China: Taiwan
	<i>M. glaucae</i>	China: Hong Kong
	<i>M. taiwanum</i>	China: Taiwan; Japan
	<i>Mollitrichosiphum</i> . sp	China: Taiwan (Tamanshan, Hualian)