

Table S1. The geographical location and sampling number of 7 populations of *M. crassipes*

Location	Population ID	Latitude (N)	Longitude (E)	Altitude (m)	Sample size	Habitats and associated trees
Julianshan, Longnan County, Jiangxi Province	P1	24°34'	114°26'	388	14	Shady slope, under the forest; <i>Schima superba</i> Gardn. et Champ., <i>Pinus massoniana</i> Lamb., <i>Photinia prunifolia</i> (Hook. et Arn.) Lindl.
Nanling, Ruyuan County, Guangdong Province	P2	24°55'	113°5'	828	14	Steep hillside; <i>Cunninghamia lanceolata</i> (Lamb.) Hook., <i>Castanopsis eyrei</i> (Champ.) Tutch.
Huaping, Guilin City, Guangxi Province	P3	25°37'	109°09'	630	25	Under the Bamboo Forest; <i>Schima superba</i> Gardn. et Champ., <i>Cunninghamia lanceolata</i> (Lamb.) Hook., <i>Phyllostachys heterocycla</i> (Carr.) Mitford
Ganchong, Xinning County, Hunan Province	P4	26°30'	111°	425	24	Gullies, roadsides; <i>Schima superba</i> Gardn. et Champ., <i>Camellia caudata</i> Wall., <i>Elaeocarpus chinensis</i> (Gardn. et Champ.) Hook. f. ex Benth.
Hengshan, Hunan Province	P5	27°13'	112°12'	599	19	Mountain secondary forest; <i>Cyclobalanopsis glauca</i> (Thunb.) Oerst., <i>Ternstroemia gymnanthera</i> (Wight et Arn.) Beddome, <i>Litsea cubeba</i> (Lour.) Pers.
Jinggangshan, Jiangxi Province	P6	26°32'	114°14'	530	24	Gully-side secondary forest; <i>Phoebe bournei</i> (Hemsl.) Yang, <i>Cunninghamia lanceolata</i> (Lamb.) Hook.
Guanshan, Yifeng County, Jiangxi Province	P7	28°37'	114°14'	407	8	Secondary forests along valleys and streams; <i>Cunninghamia lanceolata</i> (Lamb.) Hook., <i>Styrax tonkinensis</i> (Pierre) Craib ex Hartw.