

Supplementary Materials. Supplementary tables

Table S1. 10 geographical populations of *Parrotia subaequalis* (H. T. Chang) R. M. Hao et H. T. Wei from Eastern China. For every geographical population, 150 leaves were randomly chosen.

Population code	Sample location	Geographical coordinates	Altitude (m)	Sampling time
AJ	Anji, Zhejiang Province	(30.38 N, 119.40 E)	820	3 July, 2016
HN	Xinyang, Henan Province	(31.45 N, 115.27 E)	192	20 September, 2016
HW	Huangwei, Yuexi, Anhui Province	(31.10 N, 116.32 E)	449	20 August, 2016
HZ	Changhua, Huangzhou, Zhejiang Province	(30.17 N, 119.18 E)	864	15 July, 2016
JD	Jingde, Anhui Province	(30.42 N, 118.58 E)	653	21 July, 2016
JS	Yixing, Jiangsu Province	(31.23 N, 119.73 E)	252	15 August, 2016
SC	Shucheng, Anhui Province	(31.07 N, 116.55 E)	584	12 September, 2016
TC	Tongcheng, Anhui Province	(31.08 N, 116.85 E)	270	14 September, 2016
TT	Tiantangzhai, Jinzhai, Anhui Province	(31.20 N, 115.90 E)	450	17 September, 2016
TX	Tianxia, Yuexi, Anhui Province	(30.82 N, 116.03 E)	313	18 August, 2016

Table S2. List of the 10 bamboo species. The collection location: Nanjing Forestry University campus, Nanjing, P.R. China (32.08 °N, 118.82 °E).

Data set	Latin name	Chinese name	Sampling time	Sample size
1	<i>Bambusa multiplex</i> f. <i>fernleaf</i> (R. A. Young) T. P. Yi	Fengwei Zhu	Early June, 2016	193
2	<i>Indocalamus barbatus</i> McClure	Ranmao Ruozhu	Early July, 2014	114
3	<i>Indocalamus pedalis</i> (Keng) P. C. Keng	Ai Ruozhu	Early July, 2014	114
4	<i>Indocalamus pumilus</i> Q. H. Dai and C. F. Keng	Xiaoye Ruozhu	Early July, 2014	109
5	<i>Indocalamus victorialis</i> P. C. Keng	Shengli Ruozhu	Early July, 2014	121
6	<i>Pleioblastus chino</i> (Franchet & Savatier) Makino	Changye Kuzhu	Late May, 2018	500
7	<i>Pleioblastus fortunei</i> (Van Houtte) Nakai	Feibai Zhu	9 May, 2018	400
8	<i>Pseudosasa amabilis</i> McClure	Chagan Zhu	Early March, 2018	202
9	<i>Phyllostachys incarnata</i> T.H. Wen	Hongke Zhu	Mid September, 2016	209
10	<i>Sasaella kongosanensis</i> 'Aureostriatus' (Nakai) Nakai ex Koidz	Huangtiaojin'gang Zhu	Mid September, 2016	199

Table S3. List of the 10 species of Rosaceae. The collection location: Nanjing Forestry University campus, Nanjing, P. R. China (32.08 °N, 118.82 °E).

Data set	Latin name	Chinese name	Sampling time	Sample size
1	<i>Amygdalus persica</i> L.	Tao	22 April, 2018	308
2	<i>Cerasus serrulata</i> (Lindl.) G. Don ex London var. <i>lannesiana</i> (Carr.) Makino	Riben Wanying	30 April, 2018	327
3	<i>Cerasus yedoensis</i> (Matsum.) Yu et Li	Riben Yinghua	26 April, 2018	321
4	<i>Chaenomeles sinensis</i> (Thouin) Koehne	Mugua	11 May, 2018	319
5	<i>Kerria japonica</i> (L.) DC.	Ditanghua	29 April, 2018	325
6	<i>Malus halliana</i> Koehne	Chuisi Haitang	26 April, 2018	327
7	<i>Photinia serratifolia</i> (Desf.) Kalkman	Shinan	2 May, 2018	321
8	<i>Prunus cerasifera</i> Ehrhar f. <i>atropurpurea</i> (Jacq.) Rehd.	Ziyeli	28 April, 2018	324
9	<i>Rosa multiflora</i> Thunb.	Yeqiangwei	27 April, 2018	328
10	<i>Rubus hirsutus</i> Thunb.	Penglei	4 May, 2018	326