

Table S1 Known records of *Phylloporia* used for predicting the current potential distribution of *Phylloporia* in China.

Species	Sampling location	Longitude	Latitude	Voucher No.	Host plant
<i>P. alyxiae</i>	Taiwan, Taitung, Orchid Island	121.5667	22.01667	GC 1604-28	<i>Alyxia insularis</i>
<i>P. alyxiae</i>	Taiwan, Taitung, Orchid Island	121.5667	22.01667	Chen 1182	<i>Alyxia insularis</i>
<i>P. alyxiae</i>	Taiwan, Taitung, Orchid Island	121.5667	22.01667	Chen 924	<i>Alyxia insularis</i>
<i>P. alyxiae</i>	Taiwan, Taitung, Orchid Island	121.5667	22.01667	Chen 943	<i>Alyxia insularis</i>
<i>P. alyxiae</i>	Taiwan, Taitung, Orchid Island	121.5667	22.01667	Chen 995	<i>Alyxia insularis</i>
<i>P. alyxiae</i>	Taiwan, Taitung, Orchid Island	121.5667	22.01667	13669	<i>Alyxia insularis</i>
<i>P. alyxiae</i>	Taiwan, Taitung	121.15	22.75	Chen 576	<i>Alyxia insularis</i>
<i>P. alyxiae</i>	Taiwan, Taitung	121.15	22.75	Chen 577	<i>Alyxia insularis</i>
<i>P. alyxiae</i>	Taiwan, Taitung	121.15	22.75	Wu 9705-7	<i>Alyxia insularis</i>
<i>P. alyxiae</i>	Taiwan, Taitung	121.15	22.75	Wu 9705-44	<i>Alyxia insularis</i>
<i>P. alyxiae</i>	Taiwan, Taitung	121.15	22.75	Wu 9705-46	<i>Alyxia insularis</i>
<i>P. alyxiae</i>	Taiwan, Taitung	121.15	22.75	Wu 9805-11	<i>Alyxia insularis</i>
<i>P. alyxiae</i>	Taiwan, Taitung	121.15	22.75	Wu 9805-13	<i>Alyxia insularis</i>
<i>P. alyxiae</i>	Taiwan, Taitung	121.15	22.75	Wu 9805-31	<i>Alyxia insularis</i>
<i>P. clausenae</i>	Hainan, Changjiang, Bawangling Nature Reserve	109.08	19.12	Dai 10831	<i>Clausena</i>
<i>P. clausenae</i>	Yunnan, Xishuangbanna, Menglun, Lvshilin park	101.2792	21.90663	Yuan 3528	<i>Clausena</i>
<i>P. crataegi</i>	Liaoning, Shenyang, Beiling Park	123.43	41.85	Dai 11014	<i>Crataegus</i>
<i>P. crataegi</i>	Liaoning, Shenyang, Beiling Park	123.43	41.85	Dai 11016	<i>Crataegus</i>
<i>P. crataegi</i>	Beijing, Xishan National Forest Park	116.1976	39.97171	IFP018096	<i>Crataegus</i>
<i>P. crataegi</i>	Liaoning, Anshan, Qianshan	122.96048	41.07507	IFP015196	<i>Crataegus</i>
<i>P. crataegi</i>	Liaoning, Tieling	123.844279	42.290585	IFP018095	<i>Crataegus</i>
<i>P. cylindrispora</i>	Guangxi, Longzhou, Nonggang Nature Reserve	106.96	22.47	Yuan 6144	Angiosperm
<i>P. cylindrispora</i>	Guangxi, Longzhou, Nonggang Nature Reserve	106.96	22.47	Yuan 6148	Angiosperm
<i>P. cystidiolophora</i>	Chongqing, Nanchuan, Jinfoshan Nature Reserve	107.14	29.04	Dai13945	<i>Crataegus</i>

<i>P. cystidiolophora</i>	Chongqing, Nanchuan, Jinfoshan Nature Reserve	107.14	29.04	Dai13953	<i>Crataegus</i>
<i>P. dependens</i>	Yunnan, Ruili	97.81153	24.037273	Dai 13167	Angiosperm
<i>P. flacourtia</i>	Guangxi, Longzhou, Nonggang Nature Reserve	106.96	22.47	Zhou 140	<i>Flacourtia</i>
<i>P. flacourtia</i>	Guangxi, Longzhou, Nonggang Nature Reserve	106.96	22.47	Zhou 165	<i>Flacourtia</i>
<i>P. flacourtia</i>	Guangxi, Longzhou, Nonggang Nature Reserve	106.96	22.47	Yuan 6198	<i>Flacourtia</i>
<i>P. flacourtia</i>	Guangxi, Longzhou, Nonggang Nature Reserve	106.96	22.47	Yuan 6204	<i>Flacourtia</i>
<i>P. flacourtia</i>	Guangxi, Fangchenggang, Golden Camellia Nature Reserve	108.12	21.74	Yuan 6360	<i>Flacourtia</i>
<i>P. flacourtia</i>	Guangxi, Fangchenggang, Golden Camellia Nature Reserve	108.12	21.74	Yuan 6362	<i>Flacourtia</i>
<i>P. fontanesiae</i>	Henan, Xinyang, Jigongshan Nature Reserve	114.11	31.82	Li 194	<i>Fontanesia</i>
<i>P. fontanesiae</i>	Henan, Xinyang, Jigongshan Nature Reserve	114.11	31.82	Li 199	<i>Fontanesia</i>
<i>P. fontanesiae</i>	Henan, Xin County, Liankang Mountain National Nature Reserve	114.8333	31.59167	BJFC017269	<i>Fontanesia</i>
<i>P. fontanesiae</i>	Henan, Xin County, Liankang Mountain National Nature Reserve	114.8333	31.59167	BJFC017270	<i>Fontanesia</i>
<i>P. fontanesiae</i>	Shandong, Jinan, Qianfo Mountain Scenic Area	117.07	36.63	LWZ 20191013-1	<i>Fontanesia</i>
<i>P. fontanesiae</i>	Shandong, Jinan, Qianfo Mountain Scenic Area	117.07	36.63	LWZ 20201024-3	<i>Fontanesia</i>
<i>P. gutta</i>	Sichuan, Aba, Jiuzhaigou Nature Reserve	103.92	33.26	Dai 4197	<i>Abelia</i>
<i>P. gutta</i>	Sichuan, Aba, Jiuzhaigou Nature Reserve	103.92	33.26	Dai 4103	<i>Abelia</i>
<i>P. hainaniana</i>	Hainan, Qiongzhong, Limushan Nature Reserve	109.86	19.04	Dai 9460	Angiosperm
<i>P. hainaniana</i>	Hainan, Ledong, Jianfengling Nature Reserve	108.8751	18.71495	Dai 16142	Angiosperm
<i>P. homocarnica</i>	Guangxi, Guilin, Xing'an, Maoershan Nature Reserve	110.48737	25.857773	Yuan 5750	Angiosperm
<i>P. homocarnica</i>	Guangxi, Guilin, Xing'an, Maoershan Nature Reserve	110.48737	25.857773	Yuan 5766	Angiosperm
<i>P. lespedezae</i>	Shanxi, Huguan, Baquanxia National Park	113.59416	35.94544	Dai 17067	<i>Lespedeza</i>
<i>P. lespedezae</i>	Shanxi, Huguan, Baquanxia National Park	113.59416	35.94544	Dai 17065	<i>Lespedeza</i>
<i>P. lonicerae</i>	Hubei, Huanggang, Luotian	115.27	30.83	LWZ 20200324-4	<i>Lonicera</i>
<i>P. lonicerae</i>	Shandong, Linyi, Pingyi, Liushangu, Xincheng	117.64	35.51	LWZ 20190809-1	<i>Lonicera</i>

<i>P. lonicerae</i>	Shandong, Linyi, Fei County	117.98	35.27	LWZ 20190809-2	<i>Lonicera</i>
<i>P. lonicerae</i>	Shandong, Linyi, Fei County	117.98	35.27	LWZ 20190809-3	<i>Lonicera</i>
<i>P. lonicerae</i>	Shandong, Linyi, Fei County	117.98	35.27	LWZ 20190819-1	<i>Lonicera</i>
<i>P. manglietiae</i>	Hainan, Baoting, Qixianling Forest Park	109.7	18.7	Cui 13709	<i>Manglietia</i>
<i>P. minutipora</i>	Hainan, Ledong, Jianfengling Nature Reserve	108.8751	18.71495	Dai 9257	Angiosperm
				LWZ 20150531-	
<i>P. minutipora</i>	Hainan, Shuiman, Wuzhishan Nature Reserve	109.516662	18.776921	13	Angiosperm
				LWZ 20150531-	
<i>P. minutipora</i>	Hainan, Shuiman, Wuzhishan Nature Reserve	109.516662	18.776921	14	Angiosperm
				LWZ 20150531-	
<i>P. minutipora</i>	Hainan, Shuiman, Wuzhishan Nature Reserve	109.516662	18.776921	15	Angiosperm
<i>P. minutissima</i>	Yunnan, Mengla, Xishuangbanna Tropical Botanical Garden	101.461959	21.73667	Dai 21223	Angiosperm
<i>P. mori</i>	Taiwan, Taitung, Yanping	121.15	22.9	Wu 1105-2	<i>Morus</i>
<i>P. mori</i>	Taiwan, Taitung, Yanping	121.15	22.9	Wu 1105-3	<i>Morus</i>
<i>P. mori</i>	Taiwan, Taitung, Changpin	121.43	23.35	Wu 1206-1	<i>Morus</i>
<i>P. mori</i>	Taiwan, Taitung, Changpin	121.43	23.35	Wu 1206-2	<i>Morus</i>
<i>P. mori</i>	Taiwan, Taitung, Changpin	121.43	23.35	Wu 1206-3	<i>Morus</i>
<i>P. mori</i>	Taiwan, Taitung, Changpin	121.43	23.35	Wu 1206-4	<i>Morus</i>
<i>P. mori</i>	Taiwan, Taitung, Changpin	121.43	23.35	Wu 1206-5	<i>Morus</i>
<i>P. moricola</i>	Sichuan, Xichang, Puge, Luojuishan	114.299322	30.586877	TNM F0034325	<i>Morus</i>
<i>P. murrayae</i>	Taiwan, Taitung, Changpin	121.43	23.35	Wu 1404-4	<i>Murraya</i>
<i>P. murrayae</i>	Taiwan, Taitung, Changpin	121.43	23.35	Wu 1404-5	<i>Murraya</i>
<i>P. murrayae</i>	Taiwan, Taitung, Changpin	121.43	23.35	Wu 1404-6	<i>Murraya</i>
	Taiwan, Taitung, Green Island (Lyudao Township), Across				
<i>P. murrayae</i>	Mountain Ancient Trail	121.5	22.65	Chen 1708	<i>Murraya</i>
<i>P. murrayae</i>	Taiwan, Taitung, Green Island (Lyudao Township), Yutzuhu	121.5	22.66667	Chen 770	<i>Murraya</i>

<i>P. nandinae</i>	Jiangxi, Jinggangshan County, Jinggang Mountain	114.15	26.51	Dai 10588	<i>Nandina domestica</i>
<i>P. nandinae</i>	Jiangxi, Jinggangshan County, Jinggang Mountain	114.15	26.51	Dai 10625	<i>Nandina domestica</i>
<i>P. oblongospora</i>	Guangxi, Longzhou, Nonggang Nature Reserve	106.8585	22.431578	Zhou 179	Angiosperm
<i>P. oblongospora</i>	Guangdong, Zhaoqing, Dinghushan	112.540918	23.165922	BJFC007884	Angiosperm
<i>P. oblongospora</i>	Guangdong, Zhaoqing, Dinghushan	112.540918	23.165922	BJFC007895	Angiosperm
<i>P. oreophila</i>	Tibet, Bomi	95.77	29.86	Cui 9503	Angiosperm
<i>P. oreophila</i>	Gansu, Lanzhou, Xinglongshan Nature Reserve	104.04	35.79	Cui 2219	Angiosperm
				LWZ 20190811-	
<i>P. oreophila</i>	Sichuan, Liangshan, Luojuishan Scenic Spot	114.299322	30.586877	27a	Angiosperm
<i>P. osmanthi</i>	Guangxi, Guilin, Xing'an, Maoershan Nature Reserve	110.48737	25.857773	Yuan 5655	<i>Osmanthus</i>
<i>P. pendula</i>	Hainan, Shuiman, Wuzhishan Nature Reserve	109.516662	18.776921	Cui 13691	Angiosperm
<i>P. pendula</i>	Hainan, Changjiang, Bawangling Nature Reserve	109.08	19.12	Cui 13876	Angiosperm
<i>P. perangusta</i>	Guangdong, Renhua, Danxiashan Nature Reserve	114.15	24.7	Dai 18139	Angiosperm
<i>P. pseudopectinata</i>	Hainan, Ledong, Jianfengling Nature Reserve	108.8751	18.71495	Cui 13749	Angiosperm
<i>P. pseudopectinata</i>	Hainan, Ledong, Jianfengling Nature Reserve	108.8751	18.71495	Cui 13746	Angiosperm
				LWZ 20170613-	
<i>P. pseudopectinata</i>	Hainan, Ledong, Jianfengling Nature Reserve	108.8751	18.71495	20	Angiosperm
<i>P. pulla</i>	Hainan, Shuiman, Wuzhishan Nature Reserve	109.516662	18.776921	Dai 9627	Angiosperm
<i>P. pulla</i>	Hainan, Ledong, Jianfengling Nature Reserve	108.8751	18.71495	Cui 5251	Angiosperm
<i>P. pulla</i>	Shandong, Zibo	117.84	36.48	LWZ 20190428-2	Angiosperm
<i>P. pulla</i>	Shandong, Zibo	117.84	36.48	LWZ 20190428-3	Angiosperm
<i>P. pulla</i>	Shandong, Zibo	117.84	36.48	LWZ 20190428-4	Angiosperm
<i>P. radiata</i>	Guizhou, Fanjingshan National Nature Reserve	108.77	27.84	LWZ 20141122-5	<i>Liana</i>
<i>P. radiata</i>	Guizhou, Fanjingshan National Nature Reserve	108.77	27.84	LWZ 20141122-6	<i>Liana</i>

				LWZ 20141122-	
<i>P. radiata</i>	Guizhou, Fanjingshan National Nature Reserve	108.77	27.84	19	<i>Liana</i>
<i>P. rattanicola</i>	Fujian, Longyan, Liancheng, Guanzhaishan	116.821447	25.604176	Dai 18235	<i>Rattan</i>
<i>P. rattanicola</i>	Fujian, Longyan, Liancheng, Guanzhaishan	116.821447	25.604176	Dai 18232	<i>Rattan</i>
<i>P. rattanicola</i>	Fujian, Longyan, Liancheng, Guanzhaishan	116.821447	25.604176	Dai 18233	<i>Rattan</i>
	Taiwan, Taitung, Green Island, 0.6 km of Across Mountain				
<i>P. rubiacearum</i>	Ancient Trail	121.4937	22.64971	Chen3580	<i>Wendlandia</i>
	Taiwan, Taitung, Green Island, 0.6 km of Across Mountain				
<i>P. rubiacearum</i>	Ancient Trail	121.4937	22.64971	Chen 1707	<i>Wendlandia</i>
	Taiwan, Taitung, Green Island, 0.6 km of Across Mountain				
<i>P. rubiacearum</i>	Ancient Trail	121.4937	22.64971	Chen 1714	<i>Wendlandia</i>
	Taiwan, Taitung, Green Island, 0.6 km of Across Mountain				
<i>P. rubiacearum</i>	Ancient Trail	121.4937	22.64971	Chen 3579	<i>Wendlandia</i>
	Taiwan, Taitung, Green Island, 0.6 km of Across Mountain				
<i>P. rubiacearum</i>	Ancient Trail	121.4937	22.64971	Chen 3583	<i>Wendlandia</i>
	Taiwan, Taitung, Green Island, 0.6 km of Across Mountain				
<i>P. rubiacearum</i>	Ancient Trail	121.4937	22.64971	Chen 3584	<i>Wendlandia</i>
	Taiwan, Taitung, Green Island, 0.6 km of Across Mountain				
<i>P. rubiacearum</i>	Ancient Trail	121.4937	22.64971	Chen 3585	<i>Wendlandia</i>
<i>P. rubiacearum</i>	Taiwan, Taitung, Orchid Island, Hsiaotienchih	121.55	22.04	GC 1805-19	<i>Wendlandia</i>
<i>P. rubiacearum</i>	Taiwan, Taitung, Orchid Island, Hsiaotienchih	121.55	22.04	GC 1805-20	<i>Wendlandia</i>
<i>P. rubiacearum</i>	Taiwan, Taitung, Orchid Island, Hsiaotienchih	121.55	22.04	Wu 9705-8	<i>Wendlandia</i>
<i>P. splendida</i>	Yunnan, Xishuangbanna, Menglun, Lvshilin park	101.2792	21.90663	Cui 8429	Angiosperm
<i>P. splendida</i>	Zhejiang, Hangzhou, Lin'an, Tianmushan Nature Reserve	119.3503	30.20768	Dai 6282	Angiosperm
<i>P. subpulla</i>	Hainan, Ledong, Jianfengling Nature Reserve	108.875116	18.714954	Cui 5251	Angiosperm
<i>P. subpulla</i>	Hainan, Shuiman, Wuzhishan Nature Reserve	109.516662	18.776921	Dai 9627	Angiosperm

<i>P. subpulla</i>	Hainan, Ledong, Diaoluoshan Nature Reserve	109.915968	18.659778	Dai 9313	Angiosperm
<i>P. subpulla</i>	Hainan, Qiongzong, Limushan Nature Reserve	109.86	19.04	Dai 16272	Angiosperm
					Ground (under
<i>P. terrestris</i>	Guangxi, Guilin, Xing'an, Maoershan Nature Reserve	110.601021	25.607031	Yuan 5738	angiosperm)
					Ground (under
<i>P. terrestris</i>	Guangxi, Guilin, Xing'an, Maoershan Nature Reserve	110.601021	25.607031	He 2359	angiosperm)
<i>P. tiliae</i>	Hunan, Zhangjiajie, Tianmenshan National Forest Park	119.350295	30.207684	Yuan 5491	<i>Tilia</i>
<i>P. sp.</i>	Hainan, Ledong, Jianfengling Nature Reserve	108.875116	18.714954	Dai 9242	Angiosperm
<i>P. sp.</i>	Yunnan, Ruili	97.81153	24.037273	Cui 13763	Angiosperm
