

Table S1. Geographical location of studied *Cathaya argyrophylla* genotypes

ID	Sample Number	Location	population	Longitude E	Latitude N
1	MPGY1-1	Shajiaodong Natural Reserve, Mapigu	SJD-M	110.584708	26.538476
2	MPGY1-2	Shajiaodong Natural Reserve, Mapigu	SJD-M	110.584783	26.538365
3	MPGY1-3	Shajiaodong Natural Reserve, Mapigu	SJD-M	110.584825	26.538234
4	MPGY1-5	Shajiaodong Natural Reserve, Mapigu	SJD-M	110.584852	26.538137
5	MPGY1-9	Shajiaodong Natural Reserve, Mapigu	SJD-M	110.584913	26.537823
6	LYGY2-1	Shajiaodong Natural Reserve, Luanyangang	SJD-L	110.585062	26.534299
7	LYGY2-2	Shajiaodong Natural Reserve, Luanyangang	SJD-L	110.585077	26.534322
8	LYGY2-3	Shajiaodong Natural Reserve, Luanyangang	SJD-L	110.585127	26.534428
9	LYGY2-5	Shajiaodong Natural Reserve, Luanyangang	SJD-L	110.585171	26.534449
10	LYGY2-6	Shajiaodong Natural Reserve, Luanyangang	SJD-L	110.585123	26.53448
11	LYGY2-7	Shajiaodong Natural Reserve, Luanyangang	SJD-L	110.585151	26.534501
12	LYGY2-11	Shajiaodong Natural Reserve, Luanyangang	SJD-L	110.585074	26.534746
13	LYGY2-12	Shajiaodong Natural Reserve, Luanyangang	SJD-L	110.585021	26.534861

14	LYGY2-13	Shajiaodong Natural Reserve, Luanyangang	SJD-L	110.585021	26.534861
15	SMPY3-10	Bamianshan Natural Reserve, Simaoping	BMS-S	113.721697	26.066057
16	SMPY3-28	Bamianshan Natural Reserve, Simaoping	BMS-S	113.721125	26.064829
17	JPLY4-2	Bamianshan Natural Reserve, Jiaopenliao	BMS-J	113.720951	26.053457
18	JPLY4-3	Bamianshan Natural Reserve, Jiaopenliao	BMS-J	113.720843	26.053402
19	JPLY4-5	Bamianshan Natural Reserve, Jiaopenliao	BMS-J	113.720838	26.053342
20	JPLY4-24	Bamianshan Natural Reserve, Jiaopenliao	BMS-J	113.720433	26.052845
21	JPLY4-25	Bamianshan Natural Reserve, Jiaopenliao	BMS-J	113.720564	26.052855
22	JPLY4-26	Bamianshan Natural Reserve, Jiaopenliao	BMS-J	113.721014	26.052832
23	JPLY4-27	Bamianshan Natural Reserve, Jiaopenliao	BMS-J	113.721051	26.052425
