

Appendix A Seventy-six rice varieties/lines used in the large-scale field experiment for rice blast occurrence in monoculture and intercropping, with information on the variety names, types, and their origins (the county of origin is given for traditional varieties). The same variety name with different origins or slight different features is considered as different lines that are indicated by different numbers after the name

No.	Variety name	Variety type: hybrid, improved (pure-line) or traditional	Origin (Province)	No.	Variety name	Variety type: hybrid, improved (pure-line) or traditional	Origin (Province, township)
1	022	Hybrid	Jiangsu	39	Yegaigu	Improved	Yunnan
2	II you46	Hybrid	Zhejiang	40	Yunguang9	Improved	Yunnan
3	II you6078	Hybrid	Chongqing	41	Baikenuo	Traditional	Yunnan, Chuxiong
4	II you63	Hybrid	Hunan	42	Baikenuo-1	Traditional	Yunnan, Chuxiong
5	II you802	Hybrid	Sichuan	43	Baikenuo-2	Traditional	Yunnan, Puer
6	II you838	Hybrid	Sichuan	44	Dabainuo	Traditional	Yunnan, Wenshan
7	Dianjingyou1	Hybrid	Yunnan	45	Dabainuo-1	Traditional	Yunnan, Lijiang
8	Dyou527	Hybrid	Sichuan	46	Hongkenuo	Traditional	Yunnan, Wenshan
9	Dyou63	Hybrid	Sichuan	47	Hongkenuo-1	Traditional	Yunnan, Wenshan
10	Dyou747	Hybrid	Sichuan	48	Hongkenuo-2	Traditional	Yunnan, Wenshan
11	Gangyou1313	Hybrid	Sichuan	49	Hongkenuo-3	Traditional	Yunnan, Wenshan
12	Gangyou22	Hybrid	Sichuan	50	Hongkenuo-4	Traditional	Yunnan, Wenshan
13	Gangyou527	Hybrid	Sichuan	51	Huangbansuo	Traditional	Yunnan, Baoshan
14	Gangyou725	Hybrid	Sichuan	52	Huangbansuo-1	Traditional	Yunnan, Baoshan
15	Gangyou881	Hybrid	Sichuan	53	Huangkenuo	Traditional	Yunnan, Chuxiong
16	Ilyou162	Hybrid	Sichuan	54	Huangkenuo-1	Traditional	Yunnan, Lincang
17	Jingza	Hybrid	Anhui	55	Huangkenuo-2	Traditional	Yunnan, Zhaotong

18	Shanyou147	Hybrid	Fujian	56	Huangkenuo-3	Traditional	Yunnan, Baoshan
19	Shanyou46	Hybrid	Zhejiang	57	Huangkenuo-4	Traditional	Yunnan, Wenshan
20	Shanyou63	Hybrid	Guangdong	58	Huangkenuo-5	Traditional	Yunnan, Lijiang
21	Shanyouduoxi	Hybrid	Sichuan	59	Huangkenuo-6	Traditional	Yunnan, Puer
22	Shanyouming86	Hybrid	Fujian	60	Huanglagu-1	Traditional	Yunnan, Zhaotong
23	Teyou91-1	Hybrid	Guangxi	61	Huanglagu-2	Traditional	Yunnan,Zhaotong
24	Yongxian9135	Hybrid	Yunnan	62	Huanglagu-3	Traditional	Yunnan Zhaotong
25	Yunguang9	Hybrid	Yunnan	63	Huangsinuogu	Traditional	Yunnan, Zhaotong
26	Chuhui7	Improved	Yunnan	64	Huangsinuogu-1	Traditional	Yunnan, Zhaotong
27	Dianxi4	Improved	Yunnan	65	Huangsinuogu-2	Traditional	Yunnan, Zhaotong
28	Hexi39	Improved	Yunnan	66	Huangsinuogu-3	Traditional	Yunnan, Zhaotong
29	Hexi4	Improved	Yunnan	67	Jingguo-72	Traditional	Yunnan, Baoshan
30	Dianhua4	Improved	Yunnan	68	Jingguo-72-1	Traditional	Yunnan, Baoshan
31	Dianhua4-1	Improved	Yunnan	69	Nuogu	Traditional	Yunnan Banna
32	Dianhua4-2	Improved	Yunnan	70	Shunzhouheigu	Traditional	Yunnan, Lijiang
33	Dianhua4-3	Improved	Yunnan	71	Shunzhouheigu-1	Traditional	Yunnan, Lijiang
34	Dianhua4-4	Improved	Yunnan	72	Yibinxiaonuogu	Traditional	Yunnan, Zhaotong
35	Hexi24	Improved	Yunnan	73	Zhuyajiugu	Traditional	Yunnan, Zhaotong
36	Kesha55	Improved	Yunnan	74	Zigu	Traditional	Yunnan, Puer
37	Shuangxianhong	Improved	Yunnan	75	Zinuo	Traditional	Yunnan, Baoshan
38	74-35	Improved	Yunnan	76	Zinuo-1	Traditional	Yunnan, Lincang

Appendix B Rice varietal combinations used in the large scale field experiment for rice blast occurrence determination in monoculture and intercropping. Refer to Table S1 for information on the variety names, types, and their origins

Year	Rice varietal combination
2001	Baikenuo/Hexi39, Baikenuo-1/Hexi39, Baikenuo-1/Ilyou162, Dabainuo/Gangyou527, Dabainuo-1/Ilyou838, Dabainuo-1/Yongxian9135, Dianhua4/Dianxi4, Hongkenuo/Shanyou63, Hongkenuo-1/Gangyou22, Hongkenuo-4/Gangyou881, Huangbansuo/Ilyou46, Huangbansuo/Jingza, Huangbansuo/Shanyou46, Huangbansuo/Teyou91-1, Huangbansuo-1/Ilyou 46, Huangkenuo/Hexi24, Huangkenuo-1/Ilyou838, Huangkenuo-1/Gangyou22, Huangkenuo-1/Gangyou527, Huangkenuo-1/Kesha55, Huangkenuo-1/Shanyou63, Huangkenuo-1/Shanyou63, Huangkenuo-2/Ilyou802, Huangkenuo-3/Dianxi4, Huangkenuo-3/Dianxi4, Huangkenuo-3/Dianxi4, Huangkenuo-3/Dianxi4, Huangkenuo-4/Gangyou22, Huangkenuo-4/Shanyouduoxi, Huangkenuo-5/Dyou63, Huangkenuo-6/Dyou747, Huanglagu-1/Gangyou725, Huanglagu-1/Gangyou1313, Huanglagu-2/Gangyou725, Huanglagu-2/Gangyou1313, Huanglagu-3/Gangyou1313, Huangsinuogu-1/Gangyou22, Huangsinuogu-1/Shanyou63, Huangsinuogu-2/Shanyou63, Jingguo-72/Hexi4, Jingguo-72-1/Hexi4, Shunzhouheigu/022, Shunzhouheigu/Dianjingyou1, Shunzhouheigu/Yegaigu, Shunzhouheigu-1/022, Shunzhouheigu-1/Dianjingyou1, Yibinxiaonuogu/Gangyou22, Zhuyajiugu/Gangyou725, Zigu/Ilyou63, Zinuo-1/Shanyou63
2002	74-35/Shanyou46, Baikenuo/Chuhui7, Baikenuo/Shanyouming86, Baikenuo-1/Hexi39, Baikenuo-2/ Ilyou6078, Dabainuo-1/ Ilyou838,

Dabainuo-1/Shanyou147, Dabainuo-1/Shuangxianhong, Dianhua4/Dianxi4,
Dianhua4-1/Dianxi4, Dianhua4-2/Dianxi4, Dianhua4-3/Dianxi4,
Dianhua4-4/Dianxi4, Hongkenuo/Gangyou725, Hongkenuo-1/Shanyou63,
Hongkenuo-2/Gangyou22, Hongkenuo-3/Gangyou725,
Hongkenuo-4/Gangyou725, Huangbansuo/Shanyou46, Huangkenuo/Hexi24,
Huangkenuo/Yunguang9, Huangkenuo-1/Gangyou22,
Huangkenuo-1/Gangyou527, Huangkenuo-1/Shanyou63,
Huangkenuo-1/Shanyou63, Huangkenuo-2/ II you802,
Huangkenuo-3/Dianxi4, Huangkenuo-3/Dianxi4, Huangkenuo-5/Dyou63,
Huanglagu-1/Gangyou1313, Huanglagu-1/Gangyou22,
Huanglagu-1/Gangyou725, Huanglagu-2/Gangyou22,
Huanglagu-2/Gangyou725, Huangsinuogu/ Gangyou22,
Huangsinuogu-1/Shanyou63, Huangsinuogu-2/Shanyou63,
Huangsinuogu-3/Shanyou63, Nuogu/Dyou527, Nuogu/Shanyou46,
Shunzhouheigu/022, Shunzhouheigu/Dianjingyou1, Shunzhouheigu/Yegaigu,
Shunzhouheigu-1/Dianjingyou1, Shunzhouheigu-1/Yegaigu,
Yibinxiaonuogu/Gangyou22, Zigu/ II you63, Zinuo/ II you46
