

Table S1. Traits of the early rice cultivars at Nanchang.

Cultivars	Variety Type	Plant Height (cm)	Panicle Type	Growth Period (day)
Guanglvai4	Early Indica (Conventional)	70~75	Middle	110
Xiaomaidao	Early-Indica (Conventional)	80~85	Middle	115
Qianqing	Early Indica (Conventional)	-	Middle	100
R144_4	Early Indica (-)	-	-	95
R831	Early Indica (Conventional)	80~85	Middle	102
Luhongzao	Japonica (Conventional)	80	Middle	109
Zhefu31	Early Indica (Conventional)	80	Middle	110
Ganzaoxian14	Early Indica (Conventional)	80	Middle	106
Aizaoxian14	Early Indica (-)	-	-	112
Zhe733	Early Indica (Conventional)	80	Middle	110
Zhongyou81	Early Indica (Conventional)	76~79	Middle	109
Zhe9_248	Early Indica (Conventional)	75	Middle	105~110
Yaokouzao	Early Indica (-)	-	-	113
Zhe7248	Early Indica (-)	-	-	110
Zhongjian110	Early Indica (Conventional)	80~85	Middle	116
Jiazao928	Early Indica (Conventional)	80~85	Middle	110
R85_2	Early Indica (-)	-	-	99
R9003	-	-	-	100
R93218	-	-	-	103
G98_202	Early Indica (-)	-	-	98
Shenhe10	Japonica (Conventional)	85	Middle	104

Table S2. Traits of the early rice cultivars at Hengyang.

Cultivars	Variety Type	Plant Height (cm)	Panicle Type	Growth Period (day)
Xiangzaizao9	Early Indica (Conventional)	80	Large	110~116
Zhuxi63	Early Indica (Conventional)	75	Middle	110~114
R82_36	Early Indica (-)	-	-	108
Hengzaoxian1	Early Indica (Conventional)	-	Middle	104
Xiangzaoxian4	Early Indica (Conventional)	75	Middle	106~109
Hengzaoxian2	Early Indica (Conventional)	-	Middle	106~109
Huai4077_2	Early Indica (Conventional)	85	Middle	109
Weiyu402	Early Indica (Hybrid)	85~90	Large	115~119
Jinyou402	Early Indica (Hybrid)	83~86	Large	113~114
Jinyou974	Early Indica (Hybrid)	81~85	Large	109
I you899	Early Indica (Hybrid)	90	Large	112~114
Taifeng008	Early Indica (-)	-	-	106
Tyou705	Early Indica (Hybrid)	84	Large	108
Jinyou213	Early Indica (Hybrid)	88	Large	111~112

Table S3. Traits of the early rice cultivars at Gaoyao.

Cultivars	Variety Type	Plant Height (cm)	Panicle Type	Growth Period (day)
Guizhao2	Indica (Conventional)	100	Large	130
Huaxuan	Indica (Conventional)	-	-	132
Shuanggui6	Indica (Conventional)	-	-	127~129
Guangke36	Early Indica (Conventional)	95~98	Large	123
Shanyou63	Indica (Hybrid)	105~115	Large	130~138
Dyou63	Indica (Hybrid)	100~110	Large	137
Jingshan89	Indica (Conventional)	97~99	Large	132
Qiguizao	Indica (Conventional)	90	Middle	125~128
Qimiaoxiang	Indica (Conventional)	95	Large	135
Suiyouzhan	Indica (Conventional)	80~89	Large	125
Lusizhan	Indica (Conventional)	-	-	125
Xuehuazhan	Indica (Conventional)	102~110	Large	132~133

Table S4. Traits of the late rice cultivars at Nanchang.

Cultivars	Variety Type	Plant Height (cm)	Panicle Type	Growth Period (day)
Qiui	Late Indica (Conventional)	-	Middle	130~134
R83	Late Indica (Conventional)	-	-	111
M_112	Late Indica (Conventional)	90	Large	124
Shan_259	Late Indica (Conventional)	-	-	130
R3010	Late Indica (Conventional)	-	-	130
R64	-	-	-	112
Shanyou64	Indica (Hybrid)	83~85	Middle	111~115
Weiyu64	Indica (Hybrid)	95~100	Large	123~133
Shanyougui33	Indica (Hybrid)	100	Large	118
Shanyou63	Indica (Hybrid)	105~115	Large	130~138
Weiyu77	Early Indica (Hybrid)	90~100	Large	125
Guiyu77	Early Indica (Hybrid)	-	-	109
Xianyouwanshan	Indica (Hybrid)	-	-	114
R923	Late Indica (Hybrid)	100	Large	129
Hunanruanmi	Early Indica (Conventional)	93	Middle	117
Zhongyougui99	Late Indica (Hybrid)	95	Large	125
Jinyou198	Late Indica (Hybrid)	100	Large	121
Xiannong18	Late Indica (Hybrid)	116	Large	119
Fengxiang8	Indica (Conventional)	105~108	Large	111~112
R926	Indica (Conventional)	-	-	111~115

Table S5. Traits of the late rice cultivars at Hengyang.

Cultivars	Variety Type	Plant Height (cm)	Panicle Type	Growth Period (day)
Weiyu6	Indica (Hybrid)	78~89	Large	122~130
Weiyu64	Early Indica (Hybrid)	95~100	Large	116~124
Shanyougui33	Indica (Hybrid)	100	Large	118
Shanyou63	Indica (Hybrid)	105~115	Large	130~138
Gangyou725	Indica (Hybrid)	125	Large	135
Gangyou2009	Indica (Hybrid)	112	Large	131~139
Gangyou364	Indica (Hybrid)	117	Large	132~140
Il you86	Indica (Hybrid)	100~105	Large	133~141

Table S6. Traits of the late rice cultivars at Gaoyao.

Cultivars	Variety Type	Plant Height (cm)	Panicle Type	Growth Period (day)
Erbaiai	Late Indica (Conventional)	90	Middle	140~148
Shanyou200	Indica (Hybrid)	93	Large	140~143
IR33	Late Indica (-)	-	-	131
Huanxuan	Indica (Conventional)	-	-	118
Zhaonong	Indica (Conventional)	-	-	155
Zhaonongwanji	Indica (Conventional)	-	-	161
Zhaonongwan10	Indica (Conventional)	-	-	153
Zhaonongxuan	Indica (Conventional)	-	-	141~146
Boyou64	Late Indica (Hybrid)	100	Large	125~133
Qiguizhan	Indica (Conventional)	104	Large	122
Qiguizhao	Indica (Conventional)	90	Middle	119
Shanyouzhan	Indica (Conventional)	-	-	118
Suiyouzhan	Indica (Conventional)	80~89	Large	111
Lusizhan	Indica (Conventional)	-	-	110~112
Xuehuazhan	Indica (Conventional)	102~110	Large	121~128