

Additional file 8

Supplemental Table 5. Genotypes at four Os loci among accessions.

Variety/landrace	OsPGMp	OsAPS1	OsSSY3	OsCRX2
A jiao jiao jei	PGMp2_c	APS1_d	SSY3_b	
Aimazagu	PGMp2_a	APS1_a	SSY3_b	CKX2_b
Anjiaobaigu	PGMp2_d	APS1_a	SSY3_b	CKX2_c
Banjiemu		APS1_d	SSY3_a	CKX2_d
Baxiludao	PGMp2_c	APS1_b	SSY3_b	CKX2_a'
Bendihanggu_1	PGMp2_a	APS1_c	SSY3_b	CKX2_a
Bendihanggu_2	PGMp2_a	APS1_c	SSY3_b	CKX2_a
Bendiludao	PGMp2_a	APS1_c	SSY3_b	
Bendiruangu	PGMp2_d	APS1_a	SSY3_b	
Boshange	PGMp2_a	APS1_a	SSY3_b	
Boxuan01	PGMp2_a	APS1_a	SSY3_b	
Changbainuo	PGMp2_a	APS1_b'	SSY3_b'	
Changmaogu_1		APS1_d	SSY3_b	CKX2_a
Changmaogu_2	PGMp2_c	APS1_d	SSY3_a	CKX2_d
Changruanmi	PGMp2_b	APS1_b'	SSY3_b	
Chudao01		APS1_d	SSY3_a	CKX2_b
Chuhui16	PGMp2_c	APS1_d	SSY3_a	CKX2_b
Chujin26	PGMp2_c	APS1_d	SSY3_b	CKX2_b
Chujin27		APS1_d	SSY3_a	CKX2_b
Chujin28	PGMp2_c	APS1_d	SSY3_b	CKX2_b
Dabaigu	PGMp2_a	APS1_a	SSY3_b	
Dagu	PGMp2_e		SSY3_c	CKX2_a
Daheigu	PGMp2_d	APS1_a	SSY3_b	CKX2_c
Dahonggu	PGMp2_a	APS1_a	SSY3_b	
Dahonggu(red)	PGMp2_d	APS1_a	SSY3_b	CKX2_c
Dahonggu_2	PGMp2_d	APS1_c	SSY3_b	CKX2_e
Dahongjiaogu	PGMp2_a	APS1_b	SSY3_d	CKX2_b
Dahongnuo	PGMp2_c	APS1_d	SSY3_b	
Dahongruan			SSY3_c	CKX2_a
Dakeligu	PGMp2_a	APS1_b'	SSY3_b	
Denjian	PGMp2_d	APS1_c	SSY3_b	
Digu	PGMp2_c	APS1_d	SSY3_b	CKX2_a
Dinggeng	PGMp2_a	APS1_a	SSY3_b	CKX2_c
Donggu	PGMp2_a		SSY3_b	CKX2_b
Duoyenuo	PGMp2_b	APS1_b'	SSY3_b	
Ebinnong		APS1_d		
Eyongxiu	PGMp2_d	APS1_c	SSY3_b	CKX2_a
Ezaling		APS1_d	SSY3_b	CKX2_a
Fagunuo	PGMp2_a	APS1_b'&d	SSY3_a	
Fanglaobai	PGMp2_d	APS1_c	SSY3_b	
Fengdao17	PGMp2_c	APS1_d	SSY3_a	CKX2_b
Fengdao21	PGMp2_c	APS1_d	SSY3_a	CKX2_a
Fengdao23		APS1_d	SSY3_a	CKX2_a
Fengdao26		APS1_d	SSY3_a	CKX2_b
Fenggu01	PGMp2_d	APS1_a	SSY3_b	CKX2_e
Gaduogu		APS1_d	SSY3_b	CKX2_a
Gaoshanghong	PGMp2_a		SSY3_b	CKX2_a
Guque	PGMp2_c	APS1_d	SSY3_b	
Handizaogu		APS1_d	SSY3_b	CKX2_a
Hanxiangnuo	PGMp2_b	APS1_b'	SSY3_b'	
Haobixiangnong	PGMp2_d	APS1_a	SSY3_b	
Haogaodou(red)	PGMp2_b	APS1_b'	SSY3_b	
Haogaodou(red)	PGMp2_d	APS1_c	SSY3_c	CKX2_a
Haojiehai	PGMp2_a	APS1_b'	SSY3_b	
Haokandou(yellow)	PGMp2_d	APS1_d	SSY3_a	
Haomuhao	PGMp2_d	APS1_a	SSY3_b	
Haonuolong	PGMp2_b	APS1_b'	SSY3_b	
Haopai	PGMp2_b	APS1_b'	SSY3_b	
Haopie		APS1_a	SSY3_b	CKX2_b
Heidao		APS1_d	SSY3_a	
Heidianban	PGMp2_c	APS1_d	SSY3_b	
Heigu	PGMp2_a	APS1_b	SSY3_b	
Heigu		APS1_c	SSY3_c	CKX2_a
Heijieba	PGMp2_d	APS1_c	SSY3_b	CKX2_a
Heinuo01	PGMp2_c	APS1_d		CKX2_b
Heinuomi	PGMp2_a	APS1_d	SSY3_c	
Heizinuo	PGMp2_d	APS1_c	SSY3_b	CKX2_a
Hexi22-2	PGMp2_c	APS1_d	SSY3_b	CKX2_b
Hexi25	PGMp2_e	APS1_d	SSY3_a	CKX2_d
Hexi46	PGMp2_c	APS1_d	SSY3_a	CKX2_d
Hong20	PGMp2_a	APS1_a	SSY3_b	CKX2_b
Hongdianban	PGMp2_c	APS1_d	SSY3_b	
Hongerkuaigu	PGMp2_a	APS1_a	SSY3_b	CKX2_b
Honggengxi	PGMp2_a	APS1_a	SSY3_b	CKX2_b
Honggu	PGMp2_a	APS1_d	SSY3_b	
Honggu	PGMp2_a	APS1_a	SSY3_b	
Honggu	PGMp2_a	APS1_a	SSY3_b	CKX2_c
Hongguyangjie	PGMp2_a	APS1_a	SSY3_d	CKX2_b
Honghexi	PGMp2_a	APS1_b	SSY3_b	CKX2_c
Hongjiaogu	PGMp2_a	APS1_b	SSY3_d	CKX2_b
Hongnuogu	PGMp2_a	APS1_a	SSY3_b	
Hongnuomi	PGMp2_c	APS1_a	SSY3_a	CKX2_b
Hongruanmi(yellow)	PGMp2_a	APS1_a	SSY3_b	
Hongxiang01	PGMp2_a	APS1_d	SSY3_a	CKX2_b
Hongxinnuo	PGMp2_a	APS1_a	SSY3_b	
Huangnuogu	PGMp2_a	APS1_b'	SSY3_b	
Huigu	PGMp2_c		SSY3_a	CKX2_d
Hunagruanmi	PGMp2_c	APS1_d	SSY3_a	
Huohe	PGMp2_a	APS1_d	SSY3_b	
Huowu	PGMp2_a	APS1_a	SSY3_b	
Jieba	PGMp2_c	APS1_c	SSY3_b	
Jiegunuo	PGMp2_d	APS1_d	SSY3_b	
Jinguoyin	PGMp2_d	APS1_a	SSY3_b	CKX2_b
Jixuegu	PGMp2_d	APS1_a	SSY3_b	
Jugubai	PGMp2_a	APS1_a	SSY3_b	

Kaolalong	PGMp2_e	APS1_d	SSY3_c	CKX2_a
Kaopie	PGMp2_a	APS1_a	SSY3_b	
Kaopie	PGMp2_a	APS1_a	SSY3_b	CKX2_b
Kendao09		APS1_d	SSY3_a	
Kendao10		APS1_d	SSY3_a	
Kendao12a		APS1_d	SSY3_a	
Kendao12b			SSY3_a	
Kendao16			SSY3_a	
Kendao25			SSY3_a	
Kenjiandao3		APS1_d	SSY3_a	
Kenjiandao6			SSY3_a	
kongyu131_1		APS1_d	SSY3_a	
kongyu131_2			SSY3_a	
Landinuo	PGMp2_a	APS1_d	SSY3_c	
Laodagu	PGMp2_c		SSY3_b	CKX2_b
Laolaihong	PGMp2_e	APS1_d	SSY3_c	CKX2_a
Laolaihong		APS1_a&d	SSY3_b	a&b
Laotiangu	PGMp2_a	APS1_a	SSY3_b	
Lengshuidao(yellow)	PGMp2_a	APS1_a	SSY3_b	
Lengshuidiao	PGMp2_e		SSY3_c	CKX2_a
Lianjin09	PGMp2_c	APS1_d	SSY3_c	CKX2_b
Liaoxing01		APS1_d	SSY3_a	
Liaoxing20			SSY3_a	
Longhua04426			SSY3_a	
Longjiao04-1963			SSY3_a	
Longjiao04-2411			SSY3_a	
Longjin01		APS1_d	SSY3_a	
Longjin04	PGMp2_a	APS1_d	SSY3_b	CKX2_b
Longjin20			SSY3_a	
Longjin21		APS1_d	SSY3_a	
Longjin24			SSY3_a	
Longjin25		APS1_d	SSY3_a	
Longjin26		APS1_d	SSY3_a	
Longjin27		APS1_d	SSY3_a	
Longjin29			SSY3_a	
Longjin30			SSY3_b	
Longjin31		APS1_d	SSY3_a	
Longjin36			SSY3_a	
Longjin39			SSY3_a	
Longjin40		APS1_d	SSY3_a	
Longjin41		APS1_d	SSY3_a	
Longjinxiang01		APS1_d	SSY3_a	
Longsheng04042		APS1_d	SSY3_c	
Lufenggu	PGMp2_a	APS1_a	SSY3_b	CKX2_b
Maheinuo	PGMp2_b	APS1_b'	SSY3_b	
Maimanggu	PGMp2_c	APS1_c	SSY3_b	CKX2_a
Malugu	PGMp2_a	APS1_a	SSY3_b	
Manbieheigannuo	PGMp2_a	APS1_b'	SSY3_b	
Manpangxichanggu	PGMp2_b	APS1_b'	SSY3_b	
ManpixiangHongnuomi		APS1_a	SSY3_b	CKX2_c
Maxiangu	PGMp2_a	APS1_a	SSY3_b	CKX2_c
Mazagu	PGMp2_a	APS1_a	SSY3_b	CKX2_c
Menglaguo	PGMp2_a	APS1_b'	SSY3_a	
Mengsonggu	PGMp2_b	APS1_a	SSY3_b	CKX2_c
Mengwanggu	PGMp2_c	APS1_d	SSY3_b	
Mengxinggu	PGMp2_a	APS1_b'	SSY3_b	
Mianmusikan	PGMp2_a	APS1_a	SSY3_b	CKX2_b
Miaojiachangmaogu	PGMp2_b	APS1_a	SSY3_b	
Nanjin49	PGMp2_c	APS1_d	SSY3_a	CKX2_b
Nanwenqieba	PGMp2_d	APS1_c	SSY3_b	
Nongzi11	PGMp2_b	APS1_b'	SSY3_b	CKX2_c
Nuogu	PGMp2_a	APS1_b'	SSY3_b'	
Ouniaoguo	PGMp2_a	APS1_b'	SSY3_b	
Piaolianggu	PGMp2_c	APS1_d	SSY3_b	
Qitougu		APS1_a	SSY3_b	CKX2_b
Ruanmazinuo	PGMp2_b	APS1_b'	SSY3_b	
Ruiligu	PGMp2_a	APS1_a	SSY3_b	
Sanbaizi	PGMp2_a	APS1_b'	SSY3_b	
Shangmengu	PGMp2_c	APS1_d	SSY3_b	
Shendao47			SSY3_a	
Shiyuenuo	PGMp2_a	APS1_a	SSY3_b	CKX2_c
Shuijinghangu	PGMp2_a	APS1_a	SSY3_b	
Song820		APS1_d	SSY3_a	
Songjin03			SSY3_b	
Songjin05	PGMp2_c	APS1_d	SSY3_a	CKX2_b
Songjin06	PGMp2_c	APS1_d	SSY3_a	CKX2_a
Songjin07	PGMp2_c	APS1_d	SSY3_a	CKX2_a
Songjin08	PGMp2_c	APS1_d	SSY3_a	CKX2_a
Songjin09	PGMp2_c	APS1_d	SSY3_a	CKX2_a
Songjin10			SSY3_a	
Songjin11		APS1_a	SSY3_b	
Songjin12		APS1_a	SSY3_b	
Songjin13			SSY3_a	
Songjin15		APS1_d	SSY3_a	
Songjin16			SSY3_b	
Songjin17			SSY3_a	
Songjin18		APS1_d	SSY3_a	
Songjin19			SSY3_a	
Songnian01	PGMp2_c	APS1_d	SSY3_a	

Suijin04	PGMp2_c	APS1_d	SSY3_b	
Suijin08	PGMp2_c	APS1_d	SSY3_a	CKX2_a
Suijin10	PGMp2_c	APS1_d	SSY3_a	CKX2_b
Teheinuomi	PGMp2_d	APS1_d	SSY3_b	
Tianza	PGMp2_a	APS1_a	SSY3_b	
Tk57	PGMp2_c	APS1_d	SSY3_a	CKX2_a'
Tk58	PGMp2_c	APS1_d	SSY3_a	CKX2_a
Tk77	PGMp2_d	APS1_d	SSY3_a	CKX2_b
Tk78	PGMp2_c	APS1_d	SSY3_a	CKX2_b
Wangyou9801	PGMp2_a	APS1_a	SSY3_b	CKX2_e
Wuyoudao01	PGMp2_c	APS1_d	SSY3_a	CKX2_a
Wuyoudao04	PGMp2_a	APS1_d	SSY3_a	CKX2_b
Wuzuigu		APS1_d	SSY3_c	CKX2_a
Xianggu	PGMp2_a	APS1_a	SSY3_b	
Xiangnuo	PGMp2_c	APS1_d	SSY3_b	
Xiangnuo_1	PGMp2_a	APS1_b'	SSY3_b	
Xiangnuo_2	PGMp2_a	APS1_a	SSY3_b	
Xiangnuogu	PGMp2_a	APS1_b'	SSY3_b	CKX2_c
Xiangsigu		APS1_a	SSY3_b	CKX2_c
Xiangzinuo	PGMp2_b	APS1_b'	SSY3_b	
Xiaoheigu	PGMp2_e	APS1_d	SSY3_b	CKX2_a
Xiaohuagu	PGMp2_d	APS1_a	SSY3_b	CKX2_b
Xiaohuanggu	PGMp2_d	APS1_a	SSY3_b	
Xiaoxigu	PGMp2_d	APS1_a	SSY3_b	
Xihonggu		APS1_a	SSY3_b	CKX2_b
Xihonggu(possible)	PGMp2_a	APS1_a	SSY3_b	
Xihongruan	PGMp2_a		SSY3_b	CKX2_b
Yaojiahonggu	PGMp2_a	APS1_a	SSY3_b	
Yidunban	PGMp2_d	APS1_a	SSY3_b	CKX2_d
Yingkagu	PGMp2_a	APS1_d	SSY3_b	
Yirongnuan	PGMp2_a	APS1_c	SSY3_b	
Youjin03	PGMp2_c		SSY3_a	CKX2_a
Youjin15			SSY3_a	CKX2_b
Youjin20	PGMp2_c	APS1_d	SSY3_a	CKX2_a
Youmangzigu	PGMp2_e	APS1_d	SSY3_b	CKX2_a
Yunhui290	PGMp2_a	APS1_a	SSY3_b	
Yunjin20		APS1_d	SSY3_b	CKX2_a
Yunjin29	PGMp2_c	APS1_d	SSY3_a	CKX2_a
Yunjin41	PGMp2_c	APS1_d	SSY3_a	CKX2_a
Yunnong04		APS1_b'	SSY3_b	CKX2_d
Zaohuagumi	PGMp2_a	APS1_a	SSY3_b	CKX2_b
Zhangbeng	PGMp2_c	APS1_d	SSY3_b	CKX2_a
Zhengdao11		APS1_d	SSY3_c	CKX2_b
Zhuhongdan	PGMp2_a	APS1_a	SSY3_b	
Zhuhongdan	PGMp2_a	APS1_a	SSY3_b	
Zhuhongnian	PGMp2_a	APS1_a	SSY3_b	CKX2_c
Zigenuo	PGMp2_b	APS1_a	SSY3_b	
Zigu	PGMp2_b	APS1_a	SSY3_b	
Zinuo		APS1_d	SSY3_c	CKX2_a
Zinuo	PGMp2_a	APS1_c	SSY3_b	CKX2_b
Zinuomi	PGMp2_a	APS1_c	SSY3_b	
Zinuomi	PGMp2_c	APS1_d	SSY3_b	CKX2_c
Zulugu		APS1_b	SSY3_b	CKX2_b
Zulugu_2	PGMp2_a	APS1_a	SSY3_b	CKX2_b
Subtotal	169	206	236	110