

Table 4 The genetic comparisons among the traits related to yield and leaf sheath

Traits	QTL	Chr.	Markers detected in this study	Markers being reported	References
Yield	<i>GY</i>	1	RM1198–RM104	RZ730–RG801	Lafitte et al., 2002
Yield per plant	<i>GYD</i>	1	RM1198–RM104	RG381–RZ460	Zhuang et al., 2001
Semi-dwarf stalk	<i>sd1</i>	1	RM1198–RM104	RG109–RG220	Wolfgang et al., 2002
Mature of grain	<i>nscp</i>	1	RM428–RM5302	R1613–C470	Nagata et al., 2002
Yield per plant	<i>GYD</i>	4	RM548–RM6997	RG620–RG214	Zhuang et al., 2001
Filling	<i>GIF1</i>	4	RM548–RM6997	CAPS4–CAPS8	Wang et al., 2008
Erecting panicles	<i>MOC1</i>	6	RM3–RM162	R1559–S1437	Li et al., 2003
Yield	<i>yd6a</i>	6	RM3–RM162	Y4073L–C751A	Hua et al., 2002
Yield	<i>yd6</i>	6	RM3–RM162	RZ667–RG424	Xing et al., 2002; Li et al., 2000
Yield	<i>qY1-6-1</i>	6	RM3–RM162	RM3	Cho et al., 2003
Yield per plant	<i>GYD</i>	6	RM3–RM162	RG138–RZ398	Zhuang et al., 2001
Yield	<i>gy8</i>	8	RM4085–RM1111	RG333–RZ66	Xiao et al., 1996
Yield	<i>yd8</i>	8	RM1111–RM310	G2132–R727	Hua et al., 2003
Yield	<i>yld8.3</i>	8	RM1376–RM4085	RM38–RM25	Marri et al., 2005
Yield	<i>yld8.1</i>	8	RM447–RM3120	RM350–RM210	Marri et al., 2005
Yield	<i>yld8.2</i>	8	RM447–RM3120	RM210–RM256	Marri et al., 2005
Yield	<i>yld8.4</i>	8	RM447–RM3120	RM223–RM210	Marri et al., 2005
1000-grain weight	<i>tgw11</i>	11	RM21–RM3428	S11064	Xiao et al., 1996