

表 1 不同群体赤霉病抗性和抗 DON 毒素积累相关 QTLs

Table 1 The QTLs associated with Fusarium head blight and deoxynivalenol (DON) accumulation by the different mapping population

群体组合 Cross	抗病亲本来源 Origin of resistant parent	QTL	染色体 Chromosome							合计 Total	参考文献 Reference
			1	2	3	4	5	6	7		
			H	H	H	H	H	H	H		
Chevron[#]/M69[#]	瑞士 Switzerland	FHB	1	3	1	1	1		3	10	de la Pena et al., 1999
		QTL									
		DON		2			1		1	4	
Gobernadora/ CMB643	墨西哥 Mexico	FHB	1	2	3	3		1	3	13	Zhu et al., 1999
		QTL									
		DON	1	1	1	1			1	5	
Chevron[#]/Stander[#]	瑞士 Switzerland	FHB	1	2	3	1	2	1	1	11	Ma et al., 2000
		QTL									
		DON	1	2	3		1	1	1	9	
Fredrickson/ Stander[#]	日本 Japan	FHB	1	7	2			2	1	13	Mesfin et al., 2003
		QTL									
		DON		2						2	
Zhedar2/ND9712[*] //Foster[#]	中国 China	FHB	3	3			1	2		9	Dahleen et al., 2003
		QTL									
		DON		2				3		5	
Russia 6/H.E.S.4	俄罗斯 Russia	FHB		2			1			3	Hori et al., 2005
		QTL									
Harbin 2-row/ Turkey 6	中国 China	FHB		1	1	1	2	1	1	7	Hori et al., 2006, Sato et al., 2008
		QTL									
Foster[#]/CIho4196	中国 China	FHB		2						2	Horsley et al., 2006
		QTL									
Harbin 2-row /Khanaqin7	中国 China	FHB		2			1		1	4	Sato et al., 2008
		QTL									
Harbin 2-row /Turkey 45	中国 China	FHB	1	1		1				3	Sato et al., 2008
		QTL									
Harbin 2-row /Katana 1	中国 China	FHB	1	2		2	1	1		7	Sato et al., 2008
		QTL									
Harbin 2-row /Khanaqin 1	中国 China	FHB	2	1	1	1		2	1	8	Sato et al., 2008
		QTL									
Zhenongda 7/ PI 643302	中国 China	FHB		2			1		2	5	Yu et al., 2010
		QTL									
		DON		2	1					3	
FHB QTL 合计 The Sum of FHB QTLs			11	30	11	10	10	10	13	95	
DON QTL 合计 The Sum of DON QTLs			2	12	5	2	2	4	3	302	

注: 加粗的为抗病亲本; #代表 6 棱品种, 其余为 2 棱品种

Note: Bold represents resistant parent; # represents 6-row barley, others are 2-row barley