

表 1 QTL 分析所显示的水稻杂种优势的遗传基础

Table 1 QTL analysis of the genetic basis of heterosis in rice

组合类型 Combinations	组合名称 Name	群体类型 Population type	基因效应 Genetic effect	参考文献 References
籼粳交 Cross between <i>Indica</i> and <i>Japonica</i>	9024/LH422	RIL 群体, 双回交群体 RIL population, Double backcross population	显性 Dominance	Xiao et al., 1995
籼籼交 Cross between <i>Indica</i> and <i>Indica</i>	Zhenshan97/Minghui63	F _{2:3} 群体 F _{2:3} population	超显性, 上位性 Over-dominance, Epitasis	Yu et al., 1997
籼粳交 Cross between <i>Indica</i> and <i>Japonica</i>	Teqing/Lemont	F _{2:4} 群体 F _{2:4} population	上位性 Epitasis	Li et al., 1997
籼籼交 Cross between <i>Indica</i> and <i>Indica</i>	Zhenshan97/Minghui63 Xieqingzao/Miyang46	F ₂ 群体亚群体 F ₂ sub-population	超显性 Over-dominance	Zhuang et al., 2000 Zhuang et al., 2001
籼粳交 Cross between <i>Indica</i> and <i>Japonica</i>	Teqing/Lemont	重组自交系, 双回交群体, 双测交群体 RIL population, Double backcross population, Double testcross population	超显性, 上位性 Over-dominance, Epitasis	Li et al., 2001 Luo et al., 2001
籼籼交 Cross between <i>Indica</i> and <i>Indica</i>	Zhenshan97/Minghui63	永久 F ₂ 群体 IF ₂ population	上位性 Epitasis	Hua et al., 2003
籼籼交 Cross between <i>Indica</i> and <i>Indica</i>	Zhenshan97/Minghui63	永久 F ₂ 群 IF ₂ population	上位性 Epitasis	Gao et al., 2007
籼粳交 Cross between <i>Indica</i> and <i>Japonica</i>	9024/LH422 Zhenshan97/Minghui63	重组自交系, 双测交群体 RIL population, Double testcross population	超显性, 上位性 Over-dominance, Epitasis	Li et al., 2008
籼籼交 Cross between <i>Indica</i> and <i>Indica</i>				
籼粳交 Cross between <i>Indica</i> and <i>Japonica</i>	93-11/DT713	重组自交系, 双回交群体 RIL population, Double backcross population	上位性 Epitasis	Luo et al., 2009