

Table S1. A list of previously published QTLs controlling the BRR, MRR, and HMRR.

Traits	Chromosomes												References
	1	2	3	4	5	6	7	8	9	10	11	12	
BRR /%					1								Tan et al. 2001
											1		Mei et al. 2002
	2	1			1								Septiningsih et al. 2003
	1						1	1					Aluko et al. 2004
			1	1					2	1	1		Li et al. 2004
	1		1	1									Liu et al. 2007
	2	1	1	1	1	2		2					Weng et al. 2007
			1										Kepiro et al. 2008
		1	1	1	1								Hu et al. 2011
		1	2		1	1	1	1		1			Mei et al. 2012
	1	2	1	2									Zhang et al. 2013
						1			2				Zhou et al. 2013
		2	1	1			1						Qiu et al. 2015
				1							2		Li et al. 2016
	1							1	1	1			Ren et al. 2016
	1												Zhang et al. 2016
	2		1				1		1		1		Wang et al. 2017
				2		1					1		Fang et al. 2018
	1												Yao et al. 2023
MRR /%			1		1								Tan et al. 2001
										1			Septiningsih et al. 2003
					1		1						Aluko et al. 2004
				1					2	2	1		Li et al. 2004
	2	1	1	1	2	1	1	1	1	1	1	1	Weng et al. 2007
		1	1										Kepiro et al. 2008
				1	1	2				1			Hu et al. 2011
					1	1							Mei et al. 2012
	1	1	1										Zhang et al. 2013
	1	1	1				1				1		Qiu et al. 2015
				1			1	1	1		2		Li et al. 2016
	2	2	1		1	3	1	1	1				Fang et al. 2018
		1					1						Yao et al. 2023

