

Supplementary Table 1. QTL traits and primer sequences of the SSR markers for blast resistance and salt tolerance.

Primers	Traits	Chromosomes	Primer sequences
RM3412 F	Salt	1	5' TGATGGATCTCTGAGGTGTAAAGAGC 3'
RM3412 R	Salt	1	3' TGACTAATCTTTCTGCCACAGC 5'
RM10748 F	Salt	1	5' CATCGGTGACCACCTTCTCC 3'
RM10748 R	Salt	1	3' CCTGTCATCTATCTCCCTCAAGC 5'
RM319 F	Blast	1	5' ATCAAGGTACCTAGACCACCAC 3'
RM319 R	Blast	1	3' TCCTGGTGCAGCTATGTCTG 5'
RM212 F	Blast	1	5' CCACTTTCAGCTACTACCAG 3'
RM212 R	Blast	1	3' CACCCATTTGTCTCTCATTATG 5'
RM48 F	Blast	2	5' TGTCCCACTGCTTTCAAGC 3'
RM48 R	Blast	2	3' CGAGAATGAGGGACAAATAACC 5'
RM207 F	Blast	2	5' CCATTCGTGAGAAGATCTGA 3'
RM207 R	Blast	2	3' CACCTCATCCTCGTAACGCC 5'
RM144 F	Blast	11	5' TGCCCTGGCGCAAATTTGATCC 3'
RM144 R	Blast	11	3' GCTAGAGGAGATCAGATGGTACATG 5'
RM224 F	Blast	11	5' ATCGATCGATCTTCACGAGG 3'
RM224 R	Blast	11	3' TGCTATAAAAGGCATTCGGG 5'
RM313 F	Blast	12	5' TGCTACAAGTGTCTTCCAGGAC 3'
RM313 R	Blast	12	3' GCTCACCTTTTGTGTTCCAC 5'
RM277 F	Blast	12	5' CGGTCAAATCATCACCTGAC 3'
RM277R	Blast	12	3' CAAGGCTTGCAAGGGAAG 5'
Glutinous23 F	Amylose	6	5' TGCAGAGATCTTCCACAGCA 3'
Glutinous23 R	Amylose	6	5' GCTGGTCGTCACGCTGAG 3'
badh2 F	Aroma	8	5' TGCTCCTTTGTTCATCACACC 3'
badh2 R	Aroma	8	5' TTTCCACCAAGTTCAGTGA 3'
RM190 F	GT	6	5' CTTTGTCTATCTCAAGACAC 3'
RM190 R	GT	6	5' TTGCAGATGTTCTTCCTGATG 3'

F= forward primer, R= reverse primer, GT = gelatinization temperature.

Supplementary Table 2. Genotype of the BC<sub>2</sub>F<sub>2</sub> populations derived from MAB.

BC <sub>2</sub> F <sub>2</sub> populations	Salt		Blast				Amylose	Aroma	Gelatinization temperature
	RM3412/ RM10748	RM319/ RM212	RM48/ RM207	RM144/ RM224	RM313/ RM277	Glutinous23	badh2	RM190	
No. 74	1	1	1	1	1	1	1	1	
No. 42	1	1	2	1	2	1	1	1	
No. 44	1	1	2	1	2	1	1	1	
No. 23	1	2	1	2	1	1	1	1	
No. 56	1	2	1	2	1	1	1	1	
No. 67	1	2	1	2	1	1	1	1	
No. 33	1	2	2	1	1	1	1	1	
No. 7	1	2	1	1	1	1	1	1	

1 = homozygous at marker loci, 2 = heterozygous at marker loci.