

Table 2 The identified QTLs for salt tolerance in rice

Parents	Population	Traits	Number of QTL (Chromosome)	Variance explained (%)	Reference
Aishante 2/CB	RIL	Survival days	1 (5)	11.6	Lin et al., 1998
Zaiyeqing 8/Jingxi 17	DH	Survival days	8 (1, 1, 2, 3, 7, 8, 8, 12)	10.2~38.4	Gong et al., 1998
Peta /Pokkali	BC ₁ (Peta / Pokkali //Peta)	Salt damage level	3 (5, 7, 9)	—	Guo et al., 2000
		Seedling Na ⁺ content	1 (9)	—	
		Fresh weight of seedling/Dry weight of seedling	1 (6)	—	
		Stem and leaf weight in maturity	3 (1, 7, 10)	—	
		Setting percentage	1 (3)	—	
		Length of main panicle	1 (5)	—	
		Plant height	1 (9)	—	
		Number of spikelets in main panicle	1 (6)	—	
Zaiyeqing 8/Jingxi 17	DH	Thousand–seed weight	6 (1, 2, 5, 6, 7, 8)	8.5~20.3	Gong et al., 2000
		Heading stage	8 (1,4, 4, 7, 8, 10, 10, 12)	8.2~40.1	
		Plant height	4 (1, 4, 7, 8)	9.6~24.6	
		Number of grains per panicle	4 (4, 6, 6, 12)	9.0~11.9	
		Number of effective tillers	4 (1, 3, 4, 6)	9.0~16.2	
IR4630/IR15324	RIL	Na ⁺ absorb	1 (1)	8.9	Koyama et al., 2001
		K ⁺ absorb	3 (4, 6, 9)	6.8~19.6	
		Na ⁺ content	2 (4, 6)	6.4~19.6	
		K ⁺ content	2 (1, 4)	8.8~10.6	
		Na ⁺ /K ⁺	2 (1, 4)	9.1~9.6	
		Seedling dry weight	1 (6)	9.7	
Nona Bokra/ Koshihikari	F _{2:3}	Survival days of seedling	3 (1, 6, 7)	13.9~18.0	Lin et al., 2004
		Shoot K ⁺ concentration	1 (1)	40.1	
		Root K ⁺ concentration	2 (4, 7)	17.8~21.6	
		Root K ⁺ total quantity	1 (7)	17.3	
		Shoot Na ⁺ concentration	1 (7)	48.5	
		Root Na ⁺ concentration	1 (9)	16.7	
		Shoot Na ⁺ total quantity	1 (7)	16.1	
Root Na ⁺ total quantity	1 (1)	12.4			

Continuing table 2

Parents	Population	Traits	Number of QTL (Chromosome)	Variance explained (%)	Reference
Jiucaiqing/IR36	F ₂	Salt damage level	3 (1, 5, 9)	6.7~14.3	Yao et al., 2002
		Ratio of root Na ⁺ / root K ⁺	2 (2, 6)	7.9~19.3	
		Fresh weight of stem and leaf	2 (8, 9)	9.3~9.9	
		Dry weight of stem and leaf	2 (8, 9)	7.5~11.5	
		Root length	2 (4, 5)	6.4~7.4	
		Na ⁺ content	2 (4, 7)	8.9~9.8	
		K ⁺ content	2 (4, 5)	6.4~8.8	
H359/Acc 8558	RIL	Na ⁺ content in seedling stage	13 (1, 1, 1, 2, 2, 2, 5, 5, 6, 7, 7, 12, 12)	1.68~45.39	Wang et al., 2007