

Table 1 Suppl. The unconditional and conditional QTL analyses of root Na⁺ content in rice roots at different developmental stages under salt stress conditions. t1, t2, t3, t4, and t5 indicate different developmental stages, and t and (t/t-1) indicate QTLs that were mapped using unconditional and conditional methods, respectively. PVE [%] - phenotypic variation explained, EstA - additive effect, LOD - logarithm of odds.

Trait	Time	QTL	Chr.	Marker interval	F _{2,3} Population					BC ₁ F _{2,3} Population				
					t	EstA	LOD	PVE	t/t-1	t	PVE	EstA	LOD	t/t-1
Root Na ⁺ content [μmol g ⁻¹ (d.m.)]	t2	qRNC1-1	1	RM1321~RM1360	3.88	13.24	0.91							
		qRNC1-2	1	RM488~RM1349	3.55	10.41	-19.19							
		qRNC8-2	8	RM44~RM483			3.05	8.31	-0.99					
	t3	qRNC5	5	RM430~RM598	3.37	9.20	-55.08							
		qRNC8-1	8	RM1384~RM44			3.13	8.12	6.67					
		qRNC8-3	8	RM483~RM23083			2.73	14.24	-1.19	4.02	21.60	-11.06		
	t4	qRNC3	3	RM293~RM1352	2.54	12.37	-73.40							
		qRNC8-2	8	RM44~RM483						3.61	6.22	10.20	3.03	16.10
		qRNC8-3	8	RM483~RM23083	2.61	12.83	-16.72							6.09
	t5	qRNC8-3	8	RM483~RM23083			2.77	16.83	11.27					
Root relative Na ⁺ content	t1	qRRNC8	8	RM483~RM23083	2.63	8.09	0.16							
	t2	qRRNC1	1	RM1321~RM1360	4.09	14.29	0.14							
		qRRNC7	7	RM82~RM180	3.15	18.24	-0.13			3.69	11.02	-0.61		
	t3	qRRNC10	10	RM24952~RM24992						2.70	9.85	-1.25		
	t4	qRRNC8	8	RM483~RM23083	2.60	3.61	0.26							
		qRRNC12	12	RM28033~RM491			3.09	12.94	0.02	2.98	11.06	0.09		

Table 2 Suppl. The unconditional and conditional QTL analyses of K⁺ content in rice roots at different developmental stages under salt stress conditions. t1, t2, t3, t4, and t5 indicate different developmental stages, and t and t/t-1 indicate QTLs that were mapped using unconditional and conditional methods, respectively. PVE [%] - phenotypic variation explained, EstA - additive effect, LOD - logarithm of odds.

Trait	Time	QTL	Chr.	Marker interval	F _{2,3} Population						BC ₁ F _{2,3} Population					
					t	EstA	LOD	PVE	t/t-1	EstA	t	PVE	EstA	LOD	PVE	EstA
Root K ⁺ content [μmol g ⁻¹ (d.m.)]	t1	qRKC1	1	RM1321~RM1360	3.90	13.29	0.92									
		qRKC8-2	8	RM44~RM483	3.04	8.28	0.99									
	t2	qRKC1	1	RM1321~RM1360	2.54	6.85	1.29		2.99	8.20	1.01			3.10	9.01	0.05
	t3	qRKC1	1	RM1321~RM1360	3.13	13.96	3.26		3.21	6.08	1.36			2.84	10.06	4.01
		qRKC8-1	8	RM1384~RM44					3.13	8.12	0.67					2.88
	t4	qRKC1	1	RM1321~RM1360	3.84	11.26	7.02							2.69	16.22	8.60
		qRKC5	5	RM509~RM18376										2.95	15.19	10.01
		qRKC11-1	11	RM26063~RM552	2.76	6.24	11.51									
		qRKC11-2	11	RM552~RM202	2.81	10.88	18.10									
	Root relative K ⁺ content	qRRKC1	1	RM1321~RM1360	3.53	10.49	0.07									
		qRRKC7	7	RM82~RM180	2.84	23.47	-0.12									
		qRRKC8-1	8	RM22475~RM1384	2.52	7.26	0.06									
	t2	qRRKC7	7	RM82~RM180	2.63	27.90	-0.16									
		qRRKC8-2	8	RM515~RM264	3.04	10.15	-0.08									
	t3	qRRKC8-1	8	RM22475~RM1384	3.13	10.70	0.08		2.59	8.70	0.03					
		qRRKC10-2	10	RM24952~RM24992										3.78	12.83	0.67
		qRRKC10-1	10	RM474~RM24952					3.61	11.87	0.06					
		qRRKC8-1	8	RM22475~RM1384	3.34	6.25	0.12							3.05	6.66	0.05

