Table 1. Effect of salinity on (a) dry weight of root (R), shoot (S); (b) on ion (K^+, Na^+, Ca^{2+}, Cl^-) contents in root and (c) shoot of four rice genotypes. ± S. E.

a) Dry wt., g/hill of root or shoot

Name of the genotypes	Control (-NaCl)				Treatment (+ NaCl)				Tolerance index (T1)	
	Root (R)	Shoot (S)	Total (R+S)	R/S	Root (R)	Shoot (S)	Total (R+S)	R/S	Root (R)	Shoot (S)
BR-9	0.46 ± 0.08	0.99 ± 0.40	1.46	0.46	0.18 ± 0.01	0.53 ± 0.14	0.71	0.34	39.13	53.53
Iratom-24	0.59 ± 0.10	3.02 ± 0.54	3.21	0.19	0.17 ± 0.04	1.15 ± 0.04	1.32	0.15	28.81	38.08
Nonabokra	0.29 ± 0.05	1.72 ± 0.14	2.01	0.17	0.19 ± 0.06	1.09 ± 0.13	1.28	0.14	65.52	63.37
Pokkali	1.04 ± 0.09	3.06 ± 0.74	4.10	0.34	1.07 ± 0.08	2.10 ± 0.25	3.17	0.51	102.88	68.63

(b) 1on contents in root, mg/g D. wt.

	Control (-NaCl)				Treatment (+ NaCl)			
	K^+	Na^+	Ca^{2+}	Cl^-	K^+	Na^+	Ca^{2+}	Cl^-
BR-9	17.91 ± 0.21	11.28 ± 0.11	45.93 ± 0.41	10.36	11.92 ± 0.20	17.95 ± 0.11	39.32 ± 0.41	16.43
Iratom-24	38.45 ± 0.21	9.79 ± 0.11	37.08 ± 0.41	12.56	10.45 ± 0.22	19.28 ± 0.12	35.19 ± 0.42	17.15
Nonabokra	27.54 ± 0.20	9.85 ± 0.13	48.16 ± 0.39	10.23	6.97 ± 0.19	16.43 ± 0.13	39.10 ± 0.40	14.28
Pokkali	42.18 ± 0.20	10.12 ± 0.13	40.81 ± 0.41	8.27	8.16 ± 0.21	14.32 ± 0.12	38.29 ± 0.40	14.54

(c) 1on contents in shoot, mg/g D. wt.

	Control (-NaCl)				Treatment (+NaCl)			
	K^+	Na^+	Ca^{2+}	Cl	K^+	Na	Ca^{2+}	Cl^-
BR-9	39.85 ± 0.21	3.56 ± 0.42	42.77 ± 0.42	9.36	27.04 ± 0.20	25.18 ± 0.12	40.12 ± 0.41	22.03
Iratom-24	40.57 ± 0.21	3.57 ± 0.11	47.82 ± 0.41	12.48	17.18 ± 0.22	15.25 ± 0.12	35.19 ± 0.40	14.28
Nonabokra	23.75 ± 0.19	5.12 ± 0.11	48.47 ± 0.41	8.96	19.02 ± 0.21	13.03 ± 0.13	32.46 ± 0.41	16.56
Pokkali	42.32 ± 0.20	5.12 ± 0.13	51.57 ± 0.41	9.46	16.12 ± 0.20	20.19 ± 0.11	42.18 ± 0.41	17.29

Table 2. Effect of salinity on (a) proline and (b) protein contents, and (c) ATPase activity of the seedlings of four rice genotypes. ± S. E.

a) Proline contents, µg/g D. wt. (b) Root protein, mg/g F. wt. (c) Root ATPase activity, µg Pi/mg protein/h

Name of the genotypes	Control (-NaCl)			Treatment (+NaCl)			Control (- NaCl) (C)	Treatment + NaCl) (T)	± Δ in % of control	Control (- NaCl) (C)	Treatment (+ NaCl) (T)	± Δ in % of control
	Root (R)	Shoot (S)	R/S	Root (R)	Shoot (S)	R/S						
BR 9	517.75 ± 1.82	760.76 ± 1.83	0.680	759.16 ± 1.82	1705.30 ± 3.61	0.445	142.75 ± 0.03	134.23 ± 0.03	-6.34	20.12 ± 0.02	18.61 ± 0.03	-8.11
Iratom-24	555.47 ± 1.83	999.87 ± 1.83	0.555	577.50 ± 1.83	2070.38 ± 3.62	0.278	150.38 ± 0.04	228.65 ± 0.01	+34.23	16.51 ± 0.03	13.29 ± 0.03	-24.23
Nonabokra	581.79 ± 1.82	877.23 ± 1.83	0.663	769.24 ± 1.81	1867.25 ± 3.60	0.411	199.56 ± 0.04	254.00 ± 0.04	+21.43	25.32 ± 0.03	14.98 ± 0.03	-69.02
Pokkali	533.61 ± 1.81	1124.52 ± 1.82	0.474	869.94 ± 1.83	2032.16 ± 3.60	0.428	165.77 ± 0.03	188.00 ± 0.03	+9.41	16.12 ± 0.03	17.80 ± 0.03	+9.43