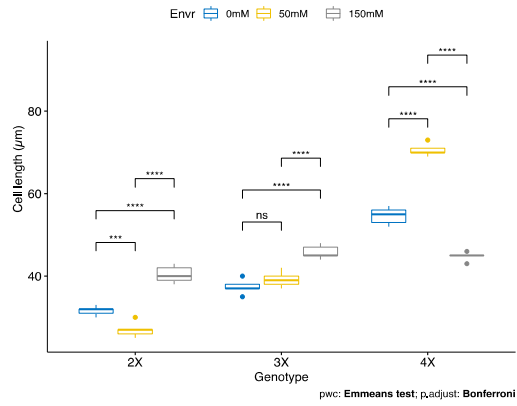
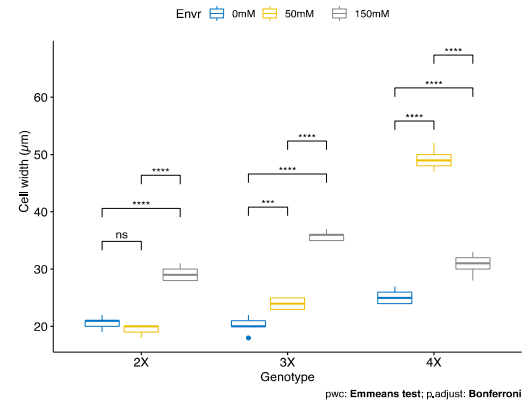


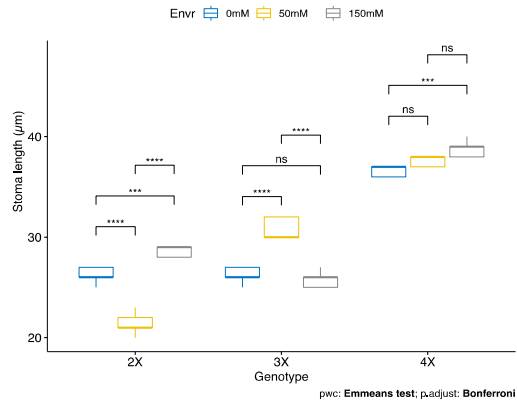
A

Anova,  $F(4,36) = 186.89$ ,  $p = <0.0001$ ,  $\eta_p^2 = 0.95$ 

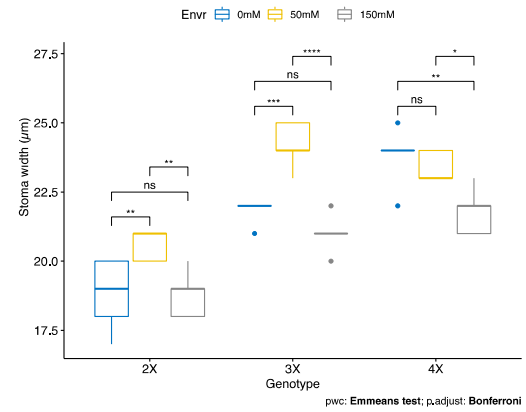
B

Anova,  $F(4,36) = 218.55$ ,  $p = <0.0001$ ,  $\eta_p^2 = 0.96$ 

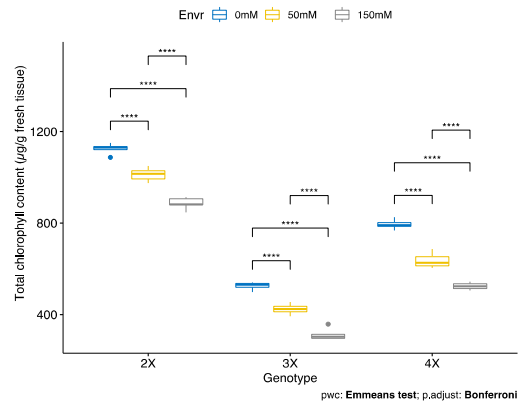
C

Anova,  $F(4,36) = 75.18$ ,  $p = <0.0001$ ,  $\eta_p^2 = 0.89$ 

D

Anova,  $F(4,36) = 4.7$ ,  $p = 0.004$ ,  $\eta_p^2 = 0.34$ 

E

Anova,  $F(4,36) = 2.57$ ,  $p = 0.055$ ,  $\eta_p^2 = 0.22$ 

**Table S1.** Variance analysis tables. ns: non-significant; \*significant at  $P < 0.05$ ; \*\*significant at  $P < 0.005$ ; \*\*\*significant at  $P < 0.001$ .

Germination					
Effect	Df	Sum Sq	Mean Sq	F value	Pr(>F)
G	2	15434	7717	8367.783	<2e-16 ***
E	2	9335	4667	5060.916	<2e-16 ***
G X E	4	1153	288	312.675	<2e-16 ***
Residual	36	33	1		

Salt tolerance index					
Effect	Df	Sum Sq	Mean Sq	F value	Pr(>F)
G	2	0.2377	0.1188	135.421	<2e-16 ***
E	2	2.7795	1.3898	1583.826	<2e-16 ***
G X E	4	0.1281	0.032	36.496	3.32E-12 ***
Residual	36	0.0316	0.0009		

Seedling height					
Effect	Df	Sum Sq	Mean Sq	F value	Pr(>F)
G	2	84.19	42.1	1572.058	< 2e-16 ***
E	2	27.46	13.73	512.722	< 2e-16 ***
G X E	4	3.99	1	37.29	2.44E-12 ***
Residual	36	0.96	0.03		

Root length (Seedling)					
Effect	Df	Sum Sq	Mean Sq	F value	Pr(>F)
G	2	6.2	3.1	99.295	2.23E-15 ***
E	2	27.723	13.862	443.964	< 2e-16 ***
G X E	4	0.732	0.183	5.858	0.000976 ***
Residual	36	1.124	0.031		

Shoot height (Vegetative)					
Effect	Df	Sum Sq	Mean Sq	F value	Pr(>F)
G	2	1017.8	508.9	8267.397	< 2e-16 ***
E	2	418.2	209.1	3397.314	< 2e-16 ***
G X E	4	6	1.5	24.48	7.61E-10 ***
Residual	36	2.2	0.1		

Root length (Vegetative)					
Effect	Df	Sum Sq	Mean Sq	F value	Pr(>F)
G	2	334	166.98	2451.576	< 2e-16 ***
E	2	322.1	161.05	2364.512	< 2e-16 ***
G X E	4	5.8	1.46	21.39	4.2E-09 ***
Residual	36	2.5	0.07		

Leaf length					
Effect	Df	Sum Sq	Mean Sq	F value	Pr(>F)
G	2	31.71	15.857	294.86	< 2e-16 ***
E	2	35.4	17.698	329.087	< 2e-16 ***
G X E	4	4.44	1.11	20.645	6.5E-09 ***
Residual	36	1.94	0.054		

Leaf width					
Effect	Df	Sum Sq	Mean Sq	F value	Pr(>F)
G	2	11.783	5.892	225.634	< 2e-16 ***
E	2	9.99	4.995	191.294	< 2e-16 ***
G X E	4	0.772	0.193	7.387	0.000188 ***
Residual	36	0.94	0.026		

Leaf area					
Effect	Df	Sum Sq	Mean Sq	F value	Pr(>F)
G	2	464.4	232.18	214.593	< 2e-16 ***
E	2	565.6	282.82	261.392	< 2e-16 ***
G X E	4	119.9	29.97	27.703	1.5E-10 ***
Residual	36	39	1.08		

Fresh weight					
Effect	Df	Sum Sq	Mean Sq	F value	Pr(>F)
G	2	236.17	118.08	2121.273	< 2e-16 ***
E	2	172.02	86.01	1545.082	< 2e-16 ***
G X E	4	10.05	2.51	45.154	1.5E-13 ***
Residual	36	2	0.06		

Dry matter					
Effect	Df	Sum Sq	Mean Sq	F value	Pr(>F)
G	2	30.406	15.203	877.09	< 2e-16 ***
E	2	8.067	4.034	232.705	< 2e-16 ***
G X E	4	1.948	0.487	28.09	1.24E-10 ***
Residual	36	0.624	0.017		

Tissue water content					
Effect	Df	Sum Sq	Mean Sq	F value	Pr(>F)
G	2	142.71	71.35	2078.272	< 2e-16 ***
E	2	107.19	53.59	1560.99	< 2e-16 ***
G X E	4	10.7	2.67	77.913	< 2e-16 ***
Residual	36	1.24	0.03		

Total chlorophyll content					
Effect	Df	Sum Sq	Mean Sq	F value	Pr(>F)
G	2	2624504	1312252	2160.678	<2e-16 ***
E	2	433791	216895	357.127	<2e-16 ***
G X E	4	6235	1559	2.566	0.055 ns
Residual	36	21864	607		

Cell number					
Effect	Df	Sum Sq	Mean Sq	F value	Pr(>F)
G	2	29478	14739	1394.841	<2e-16 ***
E	2	21266	10633	1006.261	<2e-16 ***
G X E	4	5852	1463	138.456	<2e-16 ***
Residual	36	380	11		

Cell length					
Effect	Df	Sum Sq	Mean Sq	F value	Pr(>F)
G	2	4364	2181.8	738.188	< 2e-16 ***
E	2	146	73	24.684	1.78E-07 ***
G X E	4	2209	552.4	186.887	< 2e-16 ***
Residual	36	106	3		

Cell width					
Effect	Df	Sum Sq	Mean Sq	F value	Pr(>F)
G	2	1137.6	568.8	304.714	<2e-16 ***
E	2	892.1	446.1	238.964	<2e-16 ***
G X E	4	1631.9	408	218.554	<2e-16 ***
Residual	36	67.2	1.9		

Cell area					
Effect	Df	Sum Sq	Mean Sq	F value	Pr(>F)
G	2	13553450	6776725	700.442	<2e-16 ***
E	2	4002440	2001220	206.846	<2e-16 ***
G X E	4	14035074	3508768	362.666	<2e-16 ***
Residual	36	348298	9675		

Cell width/length index					
Effect	Df	Sum Sq	Mean Sq	F value	Pr(>F)
G	2	0.05441	0.02721	16.626	7.69E-06 ***
E	2	0.25444	0.12722	77.748	8.6E-14 ***
G X E	4	0.0927	0.02318	14.163	4.89E-07 ***
Residual	36	0.05891	0.00164		

Stoma number					
Effect	Df	Sum Sq	Mean Sq	F value	Pr(>F)
G	2	624.4	312.2	151.881	< 2e-16 ***
E	2	55.6	27.8	13.524	4.16E-05 ***
G X E	4	857.2	214.3	104.254	< 2e-16 ***
Residual	36	74	2.06		

Stoma length					
Effect	Df	Sum Sq	Mean Sq	F value	Pr(>F)
G	2	1283.2	641.6	931.387	< 2e-16 ***
E	2	16.6	8.3	12.032	9.96E-05 ***
G X E	4	207.2	51.8	75.177	< 2e-16 ***
Residual	36	24.8	0.7		

Stoma width					
Effect	Df	Sum Sq	Mean Sq	F value	Pr(>F)
G	2	110.04	55.02	78.603	7.33E-14 ***
E	2	36.58	18.29	26.127	9.78E-08 ***
G X E	4	13.16	3.29	4.698	0.00373 ***
Residual	36	25.2	0.7		

Stoma area					
Effect	Df	Sum Sq	Mean Sq	F value	Pr(>F)
G	2	1088574	544287	445.767	< 2e-16 ***
E	2	20749	10374	8.497	0.000949 ***
G X E	4	126965	31741	25.996	3.48E-10 ***
Residual	36	43956	1221		

Stoma width/length index					
Effect	Df	Sum Sq	Mean Sq	F value	Pr(>F)
G	2	0.345	0.17251	180.94	< 2e-16 ***
E	2	0.0956	0.04782	50.154	3.91E-11 ***
G X E	4	0.1942	0.04855	50.92	2.47E-14 ***
Residual	36	0.0343	0.00095		

Shoot Na <sup>+</sup> concentration					
Effect	Df	Sum Sq	Mean Sq	F value	Pr(>F)
G	2	4.84	2.42	688.402	<2e-16 ***
E	2	73	36.5	10385.894	<2e-16 ***
G X E	4	2.38	0.6	169.653	<2e-16 ***
Residual	36	0.13	0		

Shoot K <sup>+</sup> concentration					
Effect	Df	Sum Sq	Mean Sq	F value	Pr(>F)
G	2	2.109	1.054	479.795	<2e-16 ***
E	2	29.94	14.97	6811.427	<2e-16 ***
G X E	4	1.15	0.288	130.863	<2e-16 ***
Residual	36	0.079	0.002		

Shoot Na <sup>+</sup> /K <sup>+</sup> ratio					
Effect	Df	Sum Sq	Mean Sq	F value	Pr(>F)
G	2	6.47	3.237	807.801	<2e-16 ***
E	2	48.55	24.275	6056.896	<2e-16 ***
G X E	4	5.65	1.412	352.205	<2e-16 ***
Residual	36	0.14	0.004		

Root Na <sup>+</sup> concentration					
Effect	Df	Sum Sq	Mean Sq	F value	Pr(>F)
G	2	3.29	1.646	1108.756	<2e-16 ***
E	2	47.41	23.704	15968.16	<2e-16 ***
G X E	4	1.95	0.487	328.105	<2e-16 ***
Residual	36	0.05	0.001		

Root K <sup>+</sup> concentration					
Effect	Df	Sum Sq	Mean Sq	F value	Pr(>F)
G	2	3.42	1.712	544.402	<2e-16 ***
E	2	50.45	25.227	8022.567	<2e-16 ***
G X E	4	1.97	0.493	156.859	<2e-16 ***
Residual	36	0.11	0.003		

Root Na <sup>+</sup> /K <sup>+</sup> ratio					
Effect	Df	Sum Sq	Mean Sq	F value	Pr(>F)
G	2	0.875	0.438	1749.079	<2e-16 ***
E	2	8.114	4.057	16219.7	<2e-16 ***
G X E	4	0.528	0.132	527.404	<2e-16 ***
Residual	36	0.009	0		

**Table S2** Loading values and percentage contribution of variables on the axis identified by the principal component analysis (PCA) for all cultivars under control and saline conditions

Variable	Dim. 1			Dim. 2			Dim. 3		
	Loading values	Contribution of variable (%)	Quality of representation	Loading values	Contribution of variable (%)	Quality of representation	Loading values	Contribution of variable (%)	Quality of representation
GP	-0.897	5.133	0.804	0.024	0.009	0.001	-0.361	4.011	0.130
SH	0.017	0.002	0.000	-0.718	7.929	0.516	-0.540	8.955	0.291
RL	0.887	5.019	0.786	0.214	0.702	0.046	-0.296	2.686	0.087
SLV	-0.897	5.140	0.805	-0.262	1.058	0.069	-0.322	3.194	0.104
RLV	-0.963	5.915	0.927	0.062	0.059	0.004	-0.224	1.549	0.050
LL	-0.833	4.431	0.694	0.414	2.628	0.171	-0.184	1.040	0.034
LW	-0.933	5.552	0.870	-0.019	0.006	0.000	-0.261	2.096	0.068
LA	-0.891	5.069	0.794	0.161	0.400	0.026	-0.225	1.550	0.050
FW	-0.893	5.087	0.797	0.275	1.161	0.076	-0.320	3.141	0.102
DW	-0.822	4.309	0.675	-0.350	1.885	0.123	-0.388	4.640	0.151
RWC	-0.810	4.189	0.656	0.485	3.611	0.235	-0.249	1.904	0.062
CHL	-0.816	4.248	0.665	-0.183	0.513	0.033	-0.524	8.441	0.274
CNB	-0.500	1.598	0.250	-0.588	5.309	0.346	0.465	6.651	0.216
CL	0.268	0.457	0.072	0.886	12.074	0.786	-0.096	0.283	0.009
CW	0.510	1.661	0.260	0.578	5.134	0.334	-0.361	4.009	0.130
CA	0.328	0.685	0.107	0.727	8.128	0.529	-0.260	2.083	0.068
CWLI	0.477	1.455	0.228	-0.432	2.868	0.187	-0.586	10.576	0.344
SN	0.297	0.562	0.088	-0.531	4.324	0.281	0.284	2.485	0.081
SL	0.232	0.344	0.054	0.909	12.684	0.826	-0.108	0.360	0.012
SW	0.155	0.154	0.024	0.633	6.152	0.400	0.576	10.187	0.331
SA	0.211	0.283	0.044	0.922	13.071	0.851	0.115	0.405	0.013
SWLI	-0.193	0.239	0.037	-0.704	7.605	0.495	0.415	5.296	0.172
STI	-0.921	5.418	0.849	0.208	0.662	0.043	0.232	1.660	0.054
SNA	0.933	5.554	0.870	-0.162	0.401	0.026	-0.287	2.526	0.082
SK	-0.939	5.623	0.881	0.098	0.149	0.010	0.285	2.491	0.081
RNAK	0.906	5.238	0.821	-0.183	0.514	0.033	-0.204	1.281	0.042
RNA	0.936	5.599	0.877	-0.133	0.272	0.018	-0.278	2.371	0.077
RK	-0.936	5.589	0.875	0.124	0.236	0.015	0.285	2.501	0.081
RNAK	0.924	5.450	0.854	-0.172	0.456	0.030	-0.230	1.626	0.053
Eigenvalue		15.665			6.509			3.252	
Variability (%)		54.017			22.444			11.212	

Cumulative (%)	54.017	76.461	87.673
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