

Table 1 Suppl. The results of two-way *ANOVA* analysis of the individual parameters (WSD,  $\psi_s$ , proline content,  $F_v/F_m$ , and dehydrin content) evaluated with respect to genotype (Amulet and Tadmor) and salt treatments (0, 100, 300, 0-300, 100-300 mM NaCl) variables. *P* values lower than 0.05 are considered statistically significant (\*), *P* values lower than 0.01 are highly significant (\*\*). Zero *P*-values mean that they are lower than  $10^{-7}$ .

Variables	Genotype	Treatment	Genotype $\times$ treatment
WSD	0.523	0**	0.394
$\psi_s$	0**	0**	0.00001**
Proline	0.03*	0**	0.33697
$F_v/F_m$	0**	0**	0**
Dehydrins	0.058	0**	0.52147

Table 2 Suppl. Correlation coefficients (*r*) for selected parameters obtained in leaf samples of Amulet and Tadmor as mean of all samplings (\* - a statistically significant correlation at a 0.05 level and \*\* - a statistically significant correlation at a 0.01 level).

	WSD	$\psi_s$	Proline	$F_v/F_m$	Dehydrins
WSD	1				
$\psi_s$	-0.542**	1			
Proline	0.593**	-0.867**	1		
$F_v/F_m$	-0.285	0.787**	-0.567**	1	
Dehydrins	0.409*	-0.605*	0.801**	-0.173	1

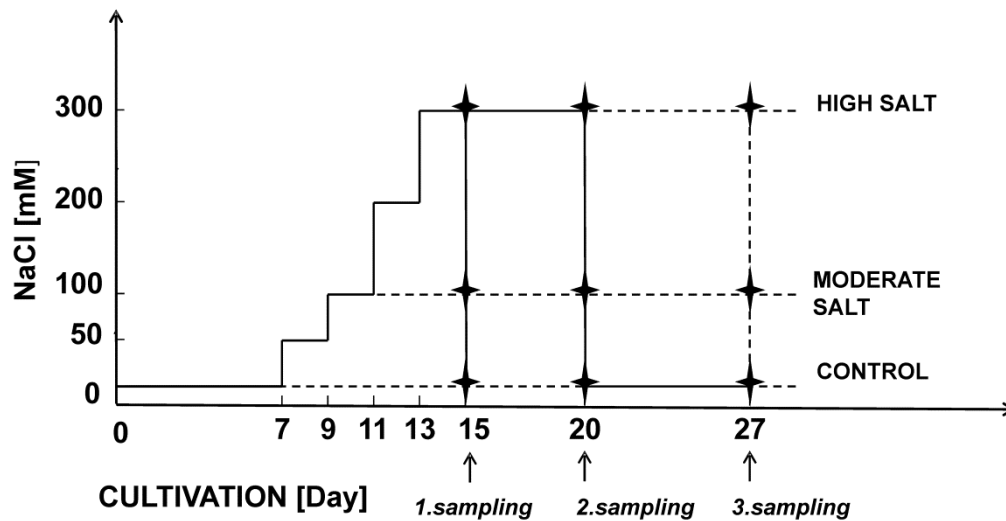


Fig. 1 Suppl. A scheme of salinity treatments and the three samplings. 1<sup>st</sup> sampling included two genotypes (Amulet, Tadmor) and three treatments ([control 0 mM NaCl (0) and a gradual increase to 100 mM NaCl (100) and to 300 mM NaCl (300)]); 2<sup>nd</sup> sampling included the same genotypes and five treatments (control (0), a gradual increase to 100 mM NaCl (100) and to 300 mM NaCl (300); an one-step transfers from 0 mM NaCl to 300 mM NaCl (0-300) and from 100 to 300 mM NaCl (100-300)); 3<sup>rd</sup> sampling included the same genotypes and treatments as the 2<sup>nd</sup> sampling, but after a 7-day recovery.

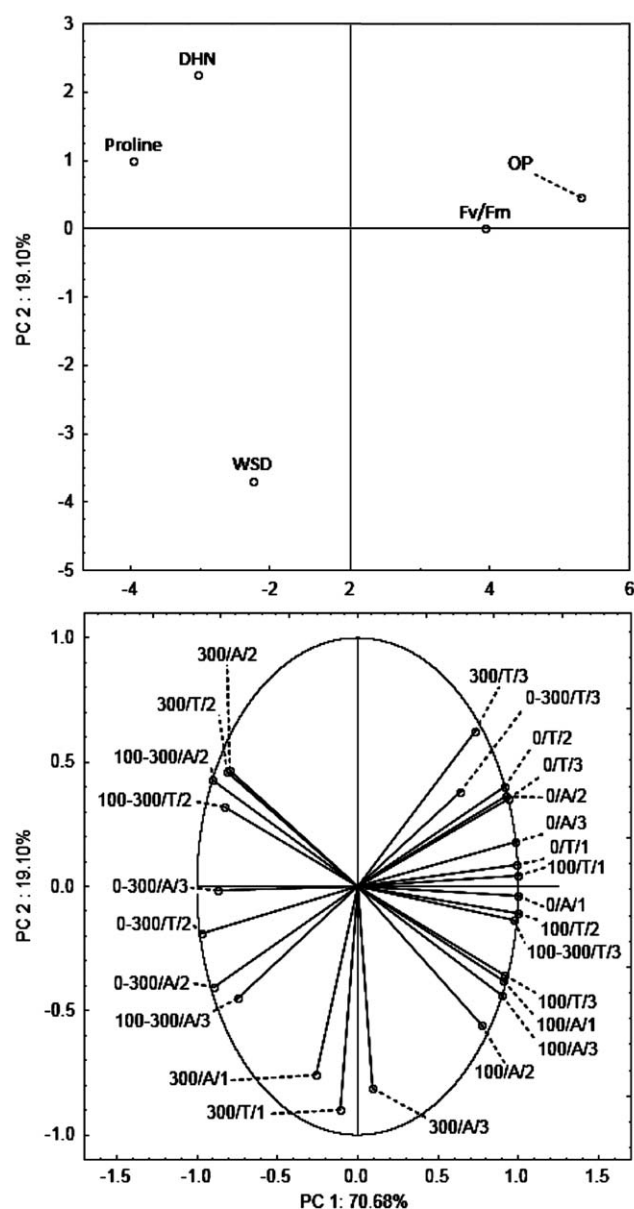


Fig. 2 Suppl. The Pprincipal component analysis (PCA) of water saturation deficit (WSD), osmotic potential ( $\psi_s$ , here as OP), proline content, maximum quantum yield of PS II photochemistry  $F_v/F_m$ , and dehydrin relative accumulation (DHN) in leaf samples of Amulet (A) and Tadmor (T) in all samplings (1 – 1<sup>st</sup> sampling; 2 – 2<sup>nd</sup> sampling; 3 – 3<sup>rd</sup> sampling) and treatments ([control (0); a gradual increase to low salinity (100); high salinity (300); one-step transfers from 0 to 300 mM NaCl (0-300) and from 100 to 300 mM NaCl (100-300). In A, the position of the individual parameters is given. In B, the position of the individual samples is given.