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Functional Plant Biology

Supplementary Material

Changes in crassulacean acid metabolism expression, chloroplast ultrastructure, photochemical and antioxidant activity in the Aloe vera during acclimation to combined drought and salt stress

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Fig. S1 Effects of drought or salinity alone and their combination on the chlorophyll *a* fluorescence induction curve (*A*) and the 'spider plot' of selected parameters characterizing behavior of photosystem II (*B*) in *Aloe* leaves exposed 30 days stress





Fig. S2 Effects of drought or salinity alone and their combination on the levels of total glutathione (GSH) (*A*), ascorbate (AsA) (*B*), hydrogen peroxide (H₂O₂) (*C*) and maloendialdehyde (MDA) (*D*) over a 25-d period in *Aloe* plants Asterisks indicate significant differences between samples taken at the same time point (p<0.05, Tukey test) Data are means ± SD of four independent replications. Correlation between values of performance index (PI_{abs}) and total glutathione (GSH) (*E*) recorded in *Aloe* plants exposed 30 days to drought or salinity alone and their combination: ns, non–significant, * and **, significant at the 5 % and 1 % levels of probability, respectively