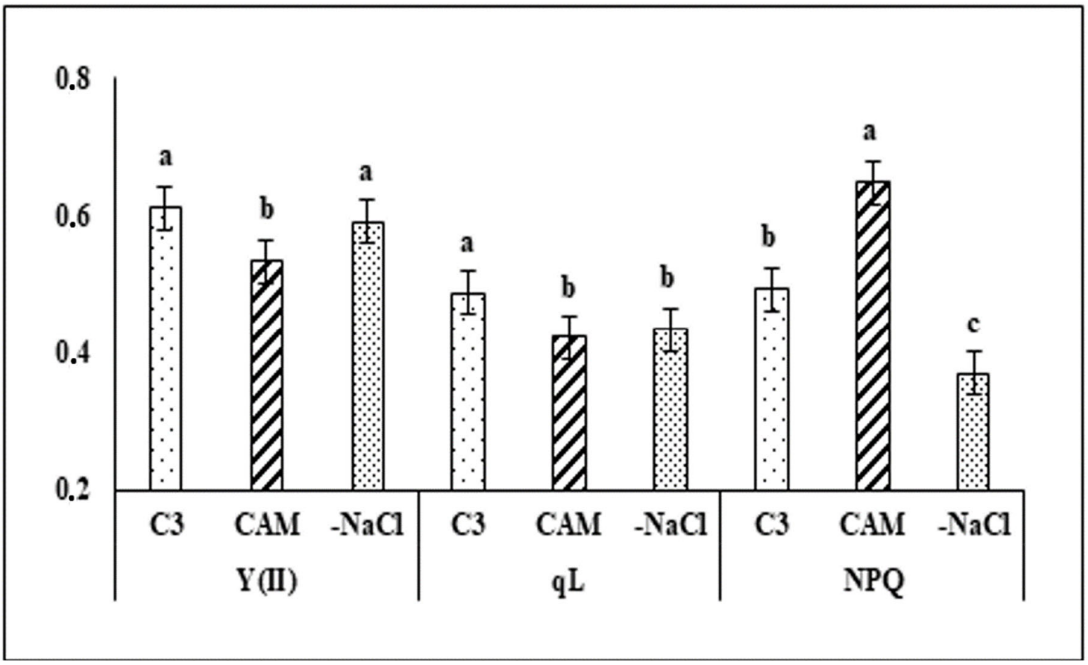

Figure S1. Second replication of the experiment. Quantum efficiency of PSII—Y(II), photochemical quenching coefficient—qL and non-photochemical quenching—NPQ in leaves of unstressed control (C_3), NaCl-treated (CAM) and salt-stress withdrawn (-NaCl) *Mesembryanthemum crystallinum* L. plants measured in the middle of the light phase 72 hours past osmotic stress removal. Bars represent mean values (±SD) for n=5. Different letters indicate statistically significant differences according to Tukey's HSD test at $p \leq 0.05$.

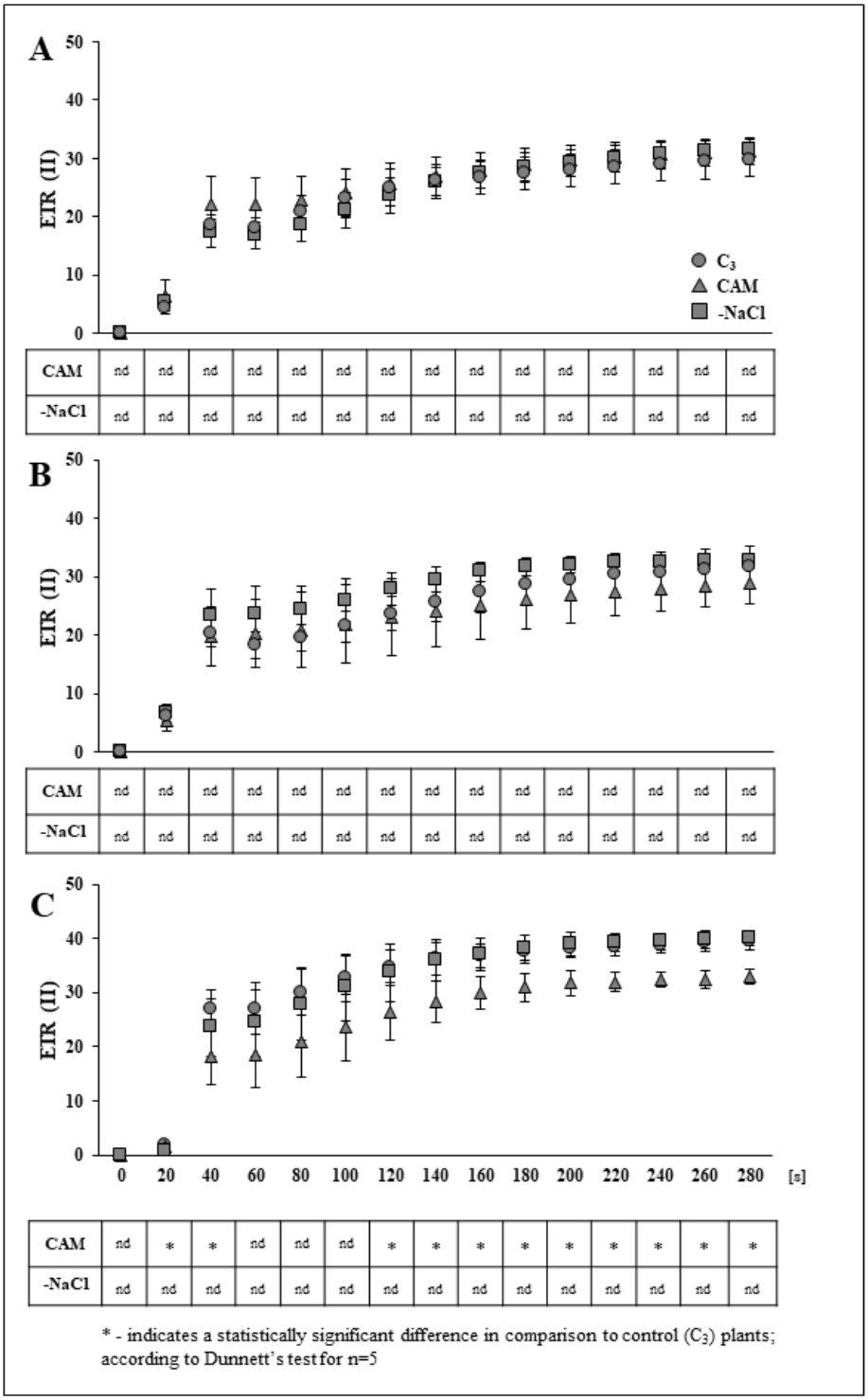

Figure S2. Second replication of the experiment. Induction curves of the PSII electron transport rate in leaves of unstressed control (C_3), NaCl-treated (CAM) and salt-stress-withdrawn (-NaCl) *Mesembryanthemum crystallinum* L. plants measured in the middle of the light phase 24 (**A**), 48 (**B**) and 72 (**C**) hours past osmotic stress removal. Asterisk indicates a statistically significant difference in comparison to unstressed control (C_3) plants according to Dunnett's test for *n*=5. nd, no differences; [s], seconds

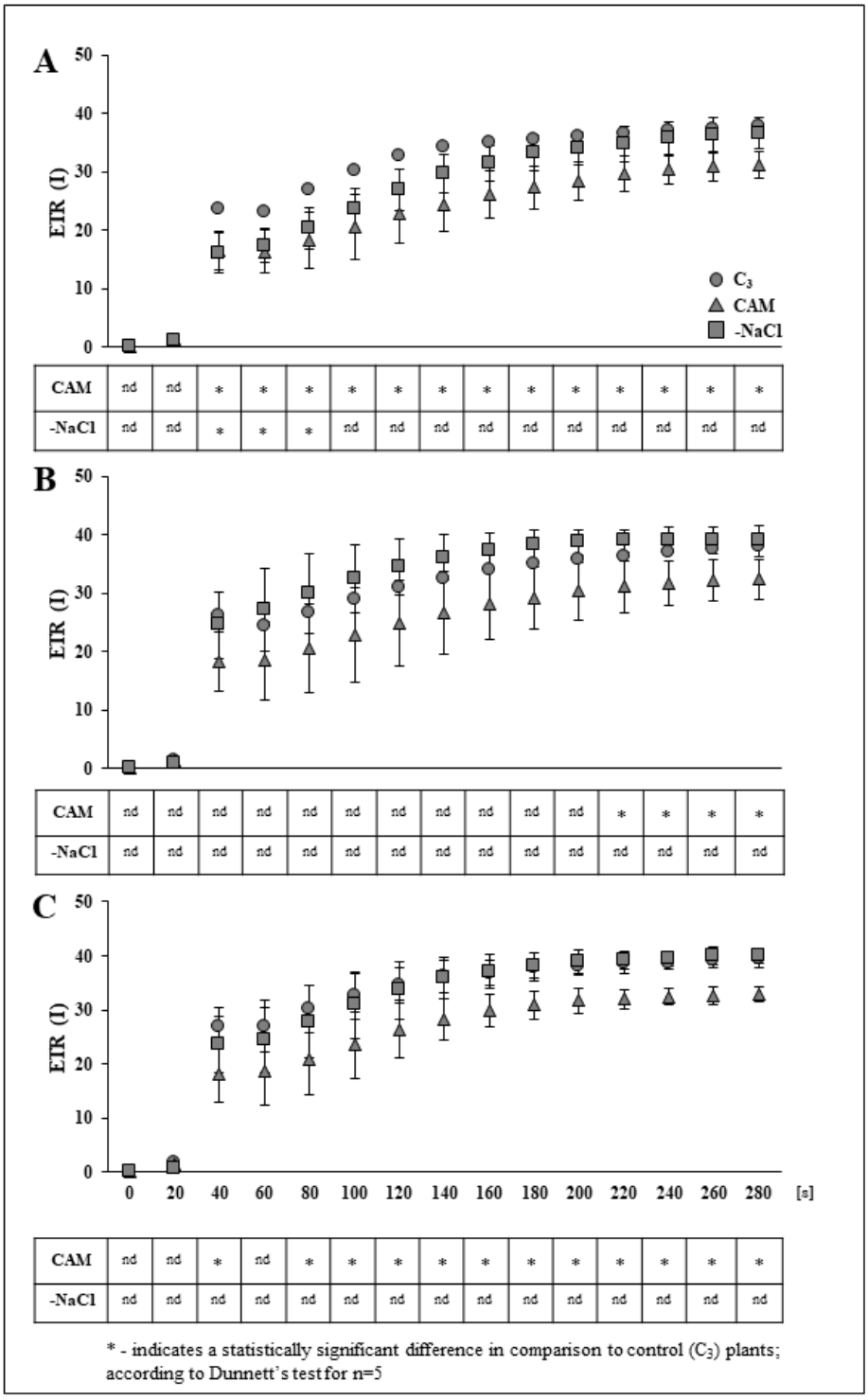

Figure S3. Second replication of the experiment. Induction curves of the PSI electron transport rate in leaves of unstressed control (C_3), NaCl-treated (CAM) and salt-stress withdrawn (-NaCl) *Mesembryanthemum crystallinum* L. plants measured in the middle of Table 24. (**A**), 48 (**B**) and 72 (**C**) hours past osmotic stress removal. Asterisk indicates a statistically significant difference in comparison to unstressed control (C_3) plants according to Dunnett's test for *n*=5; nd, no differences; [s], seconds

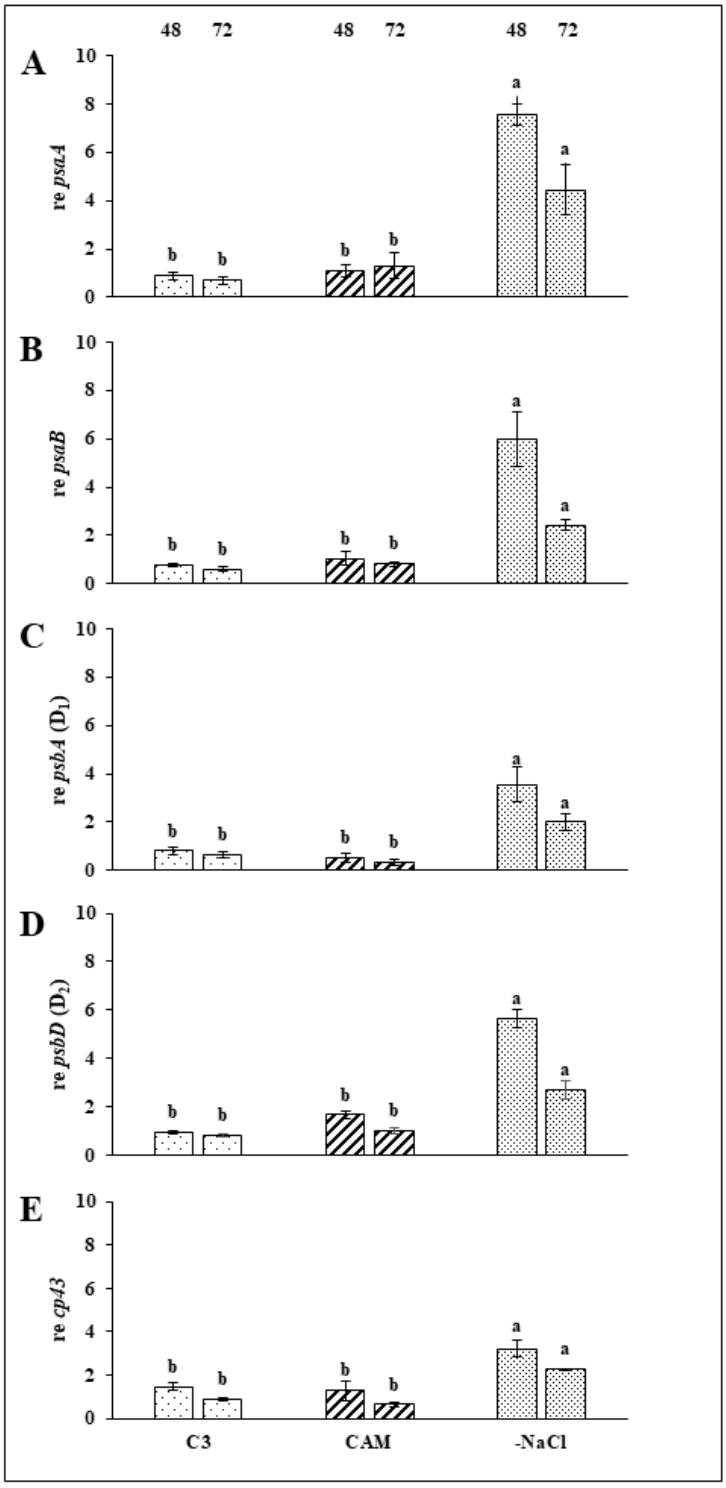

Figure S4. Second replication of the experiment. Relative expression of PSI-A core protein of photosystem I—*PSAA* (**A**), PSI-B core subunit of photosystem I—*PSAB* (**B**), D_1 protein of photosystem II—*PSBA* (**C**), D_2 protein of photosystem II—*PSBD* (**D**) and cp43 protein of photosystem II – *cp43* (**E**) in leaves of unstressed control (C_3), NaCl-treated (CAM) and salt-stress withdrawn (-NaCl) *Mesembryanthemum crystallinum* L. plants measured 48 and 72 hours past osmotic stress removal. Bars represent mean values (±SD) for n=5. Different letters indicate statistically significant differences according to Tukey's HSD test at $p \leq 0.05$.

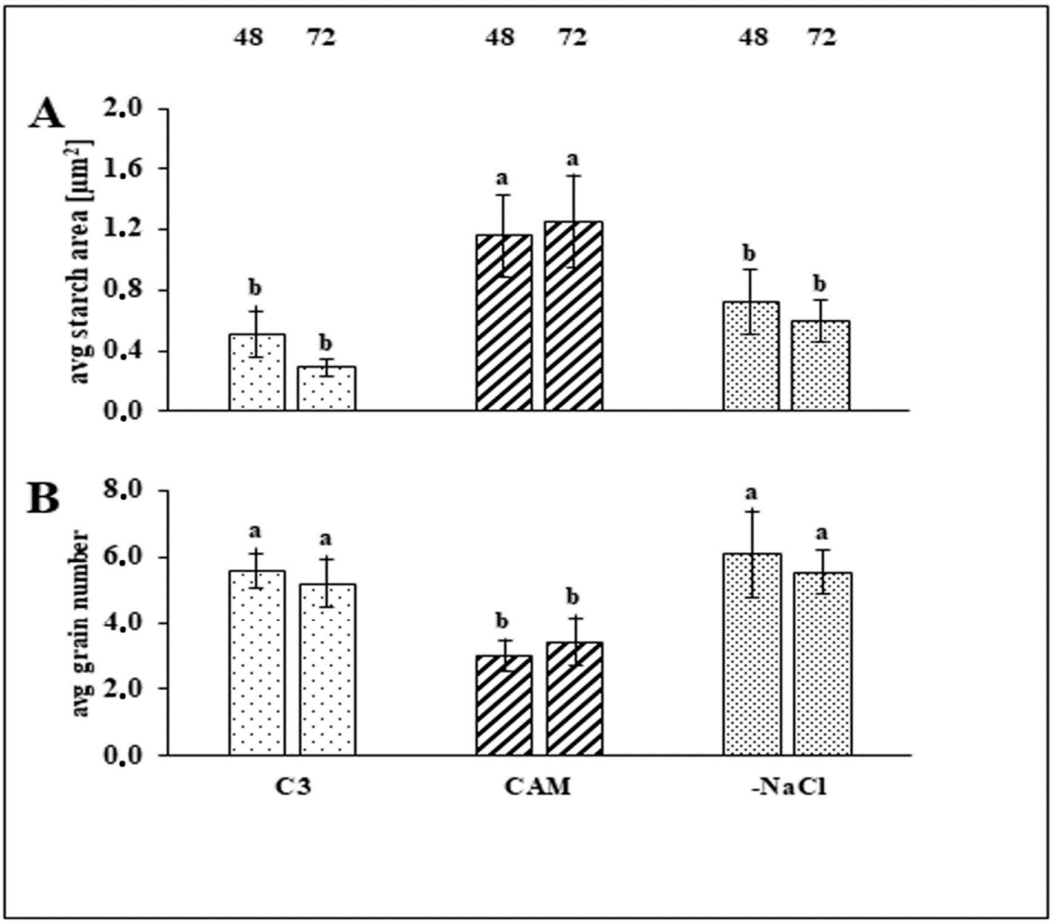

Figure S5. Second replication of the experiment. The average area (**A**) and number of starch grains (**B**) assessed with computer analysis of chloroplasts micrographs of unstressed control (C_3), NaCl-treated (CAM) and salt-stress withdrawn (-NaCl) *Mesembryanthemum crystallinum* L. plants 48 and 72 hours past osmotic stress. Bars represent mean values (±SD) for n=23. Different letters indicate statistically significant differences according to Tukey's HSD test at $p \leq 0.05$.

Table S1. Sequences of primers used during qPCR analysis.

Name	Accession number	Sequence (5′–3′)
PSI-A core protein of PS I	NC_029049.1 :40297-42549	F: TGAATGTGGTGGACCAAAAA R: CGTCCCCAAGATATGTTTTCA
PSI-B core subunit of PS I	AT5G01490 : 38067-40271	F: ATACTGTGCCCAATCCCAAA R: GCTCAAAATCCCGATTCAAG
D_1 protein of PS II	NC_029049.1: :518-1579	F: GGAAGATCAATCGACCGAAA R: CCTTATGCACCCATTTCACA
D_2 protein of PS II	NC_029049.1 :33519-34580	F: CTGTTCAATTGCGCCCTTAT R: CGTGAATAGCGCATAGCAAA
photosystem II core antenna protein CP43	NC_029049.1 :34528-35949	F: CTTTATTTTGGGGGCGTGTA R: GAGCCCATGCAAAAGGTTTA
UBQ – UBIQUITINE	AF053563	F: CGCACCTTGGCTGACTACA R: AACAACCAGACCATGCAACA