



**Supplementary Figure S4:** Na and K distribution in salt stressed *Chenopodium* accessions. (A) Na concentration in the shoot and (B) root of control treated *Chenopodium* accessions. (C) K concentration in the root of control and (D) salt treated *Chenopodium* accessions. (E) K concentration in the shoot of control (in light grey) and salt (in dark grey) treated *Chenopodium* accessions;  $n=6$ , statistical analyses were performed as described in the methods section. F-statistic for (A), (B), (C) and (D) accession  $<0.0001$ , and for (E) accession 0.911 and treatment 0.062; levels not connected by the same letter are significantly different,  $P \leq 0.05$ . (Different layouts were chosen as the result of the fitted model suggesting in (E) no significant differences between accessions and treatment.)