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| Table S1 Summary of two-way ANOVA analysis for effect of treatment, plant species and interaction between these two factors on different physiological parameters |
| Factors | Shoot biomass | Root biomass | Root length | H2O2 concentration | MDA content | Catalase activity | Chlorophyll index | Flavonol index | Anthocyanin index | Intracellular CO2 concentration | Photosynthetic rate | Stomatal conductance | Transpiration rate |
| Species | X | X | **−** | **−** | X | X | X | X | **−** | X | X | X | X |
| Treatment | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Species/treatment | **−** | X | **−** | **−** | **−** | X | **−** | X | X | **−** | X | X | X |

“Species” (*A. arenosa*, *A. halleri*); “Treatment” (Control, 1.0 mM Cd, 5.0 mM Zn); “Species/treatment” **−** interaction between these two factors. “X” means that the factors have statistically significant effect on a measured parameter (*p* <0.05).