Supplementary material

Antioxidative Defense, Suppressed Nitric Oxide Accumulation, and Synthesis of Protective Proteins in Roots and Leaves Contribute to the Desiccation Tolerance of the Resurrection Plant *Haberlea rhodopensis*

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Figure S1. *H. rhodopensis* leaves and roots in well-hydrated (**A**) and air-dry state (**B**).

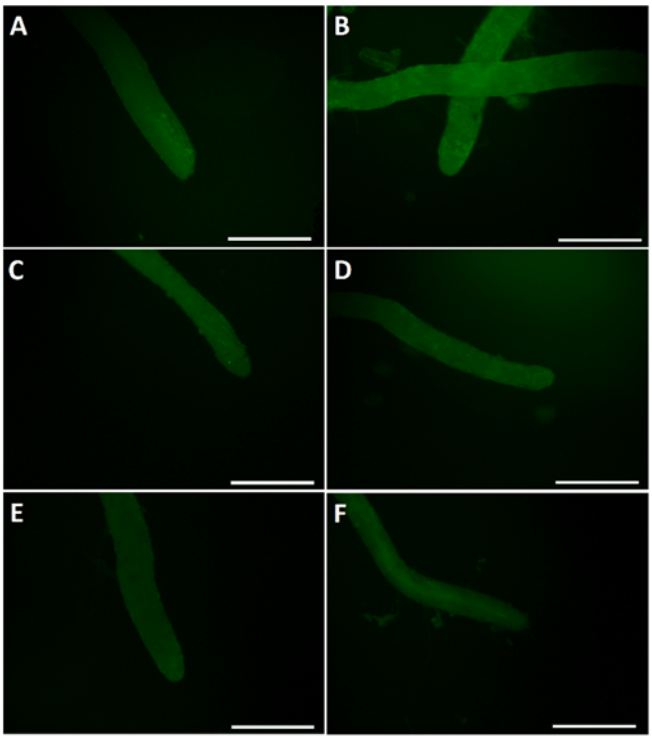

Figure S2. Nitric oxide accumulation in the apical zone of *H. rhodopensis* roots detected by the autofluorescence of 4-amino-5-methylamino-2′,7′-difluorofluorescein (DAF-FM) NO conjugates. A: RC; B: RD0; C: RD1; D: RD3; E: RD4; F: RR; where roots (R) were analyzed in well-hydrated control (C) stage, and during desiccation (D1-D4) and after 6 days of rehydration (RR), according to Table 1. RD0 is a supplementary sample that was taken at WC of 1.92±0.05 (g H_2O) (g DW^{-1}) as for an intermediate sample at the RC-RD1 transition. Bars are equal to 1 mm.

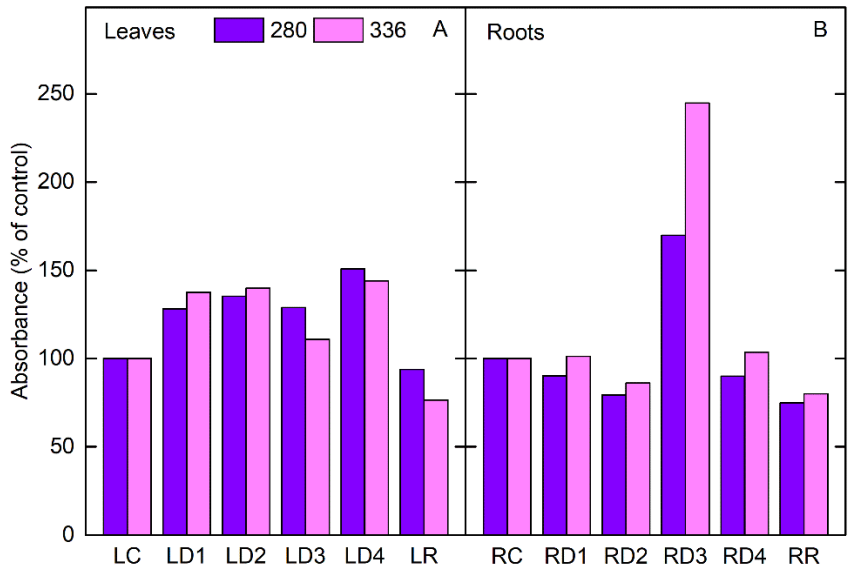

Figure S3. Changes in the absorbance at 280 nm and 336 nm of the extracts from leaves (L; **A**) and roots (R; **B**) from well-hydrated (LC, RC), dehydrated to different extent (LD1–LD4; RD1–RD4) and fully rehydrated (LR, RR) *H. rhodopensis* samples, according to Table 1. The values are presented as percentage (%) from the absorbance registered for fully hydrated plants.