Additional file 5. Molecular and physiological characterization of homozygous POP2 overexpressing plants.

(A) POP2 expression in 11-day-old plantlets WT and the three 2x35S::POP2 lines. Stars indicate a significant difference with WT according to non-parametric Mann-Whitney U-test (P<0.05). (B) GABA content in 14 day-old plantlets of WT and two POP2 overexpressing lines treated, or not (Control), with 150 mM NaCl for 4 days. Stars indicate a significant difference with WT according to non-parametric Mann-Whitney U-test (P<0.05). (C) Root growth of WT and the three 2x35S::POP2 lines on agar medium supplemented, or not (Control), with 150 mM NaCl (NaCl) or 300 mM mannitol (Mannitol). Different letter indicate a significant difference according to Duncan multi-range test (P<0.01). Root growth was determined as reported for figure 3. (D) Phenotype of 60-day-old plants WT, pop2-1 mutant and the three 2x35S::POP2 lines alimented since their 14-day-old stage with standard nutrient solution supplemented, or not (Control), with 50 mM NaCl. Scale bar = 5 cm.