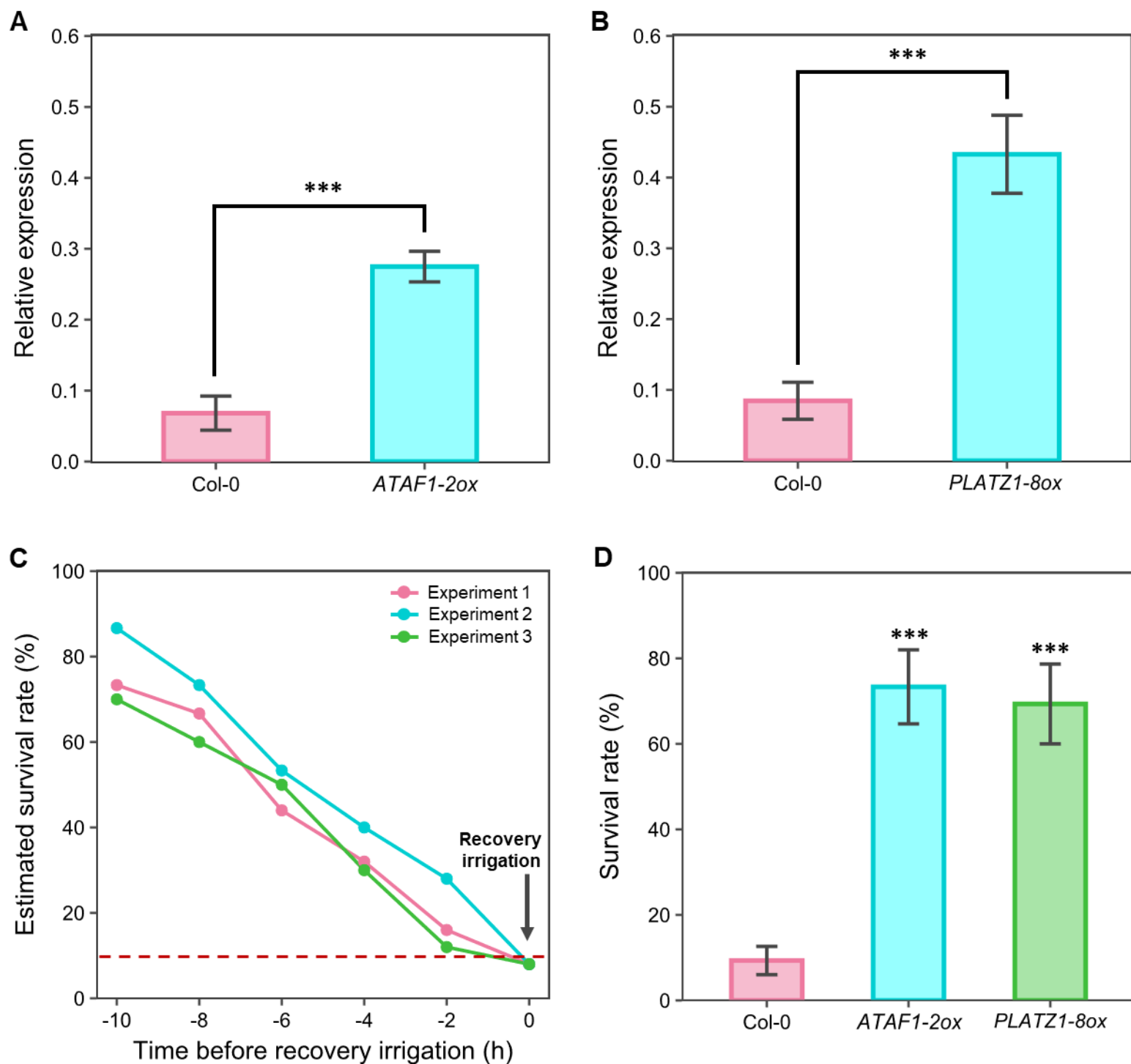
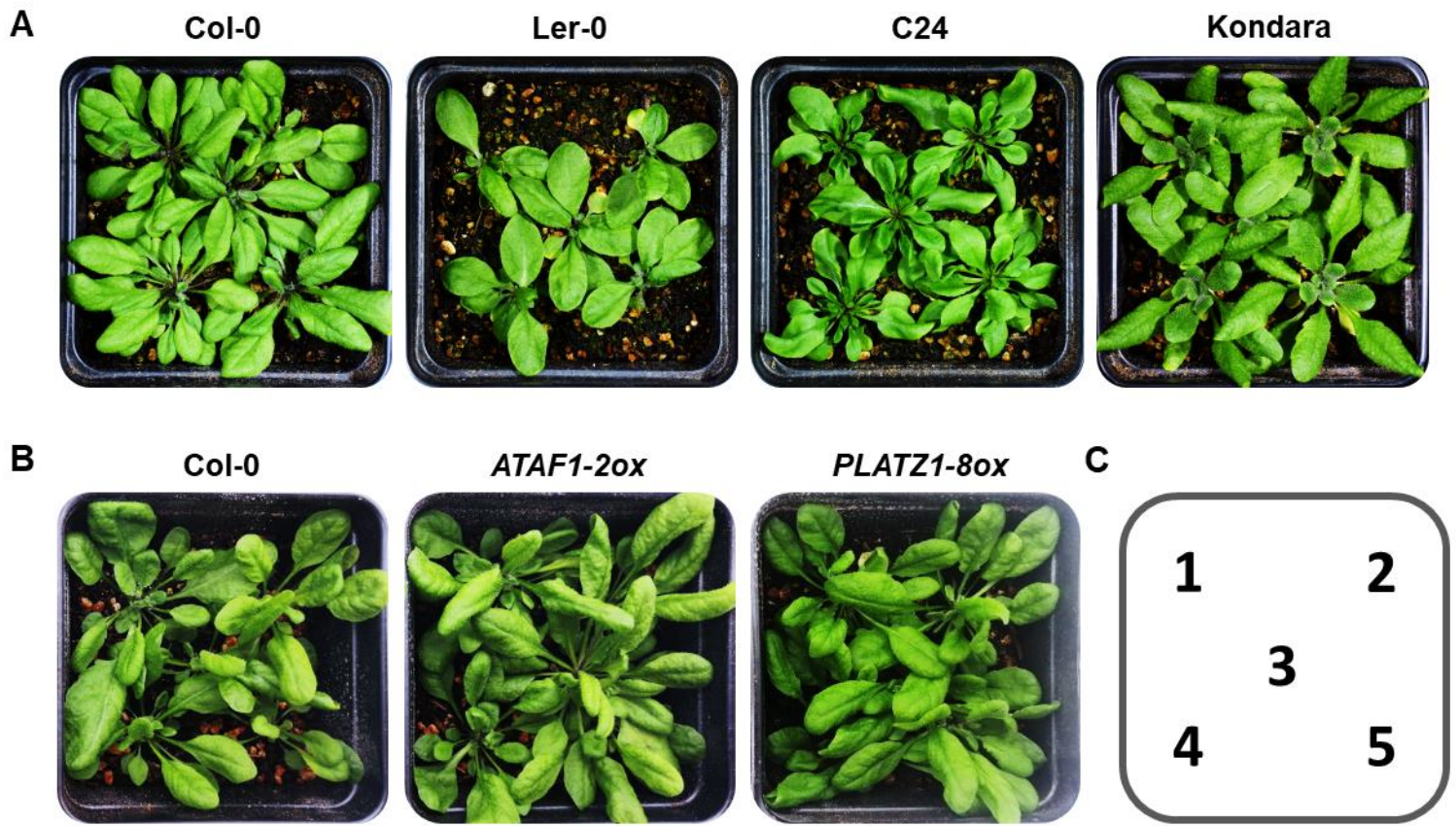




Supplementary Figure S1: Relative expression and drought survival analysis of two Arabidopsis transgenic lines. A) and B) Analysis of *ATAF1* (A) and *PLATZ1* (B) expression level in their respective transgenic lines and Col-0 by real-time PCR. *ACT2* was used as reference gene. Bar plots show the mean and standard deviation of three biological and technical replicates. Asterisks, significant differences (Student's t-test, $P < 0.001$). C) Estimation of the survival rate of Col-0 at different hours before recovery irrigation based on values of F_v'/F_m' from each Col-0 plant. Line plot shows the individual estimation of three independent experiments (5 biological replicates per experiment, $n = 25$ plants). Red line, maximum survival rate expected for Col-0; arrow, recovery irrigation supplying. D) Survival rate of the different genotypes after receiving a recovery irrigation. Bar plot shows the mean and standard deviation of 15 biological replicates in three independent experiments ($n = 75$ plants). Asterisks, significant differences (Fisher's exact test, $P < 0.001$).



Supplementary Figure S2: Plants of different *Arabidopsis* genotypes grown under well-watered conditions. Representative rosettes of A) *Arabidopsis* accessions and B) *ATAF1-2ox* and *PLATZ1-8ox* transgenic lines grown for 40 days in the control treatments. C) Plant distribution in pots followed in all the experiments here reported.