

Figure S1. The original traces photographed in the computer monitor showing a decrease in fluorescence intensity after addition of 100 mM NaCl (a) and a gradual raise in fluorescence intensity after the addition of 1 mM K_2SiO_3 to the MQAE-labelled wheat protoplasts (b).

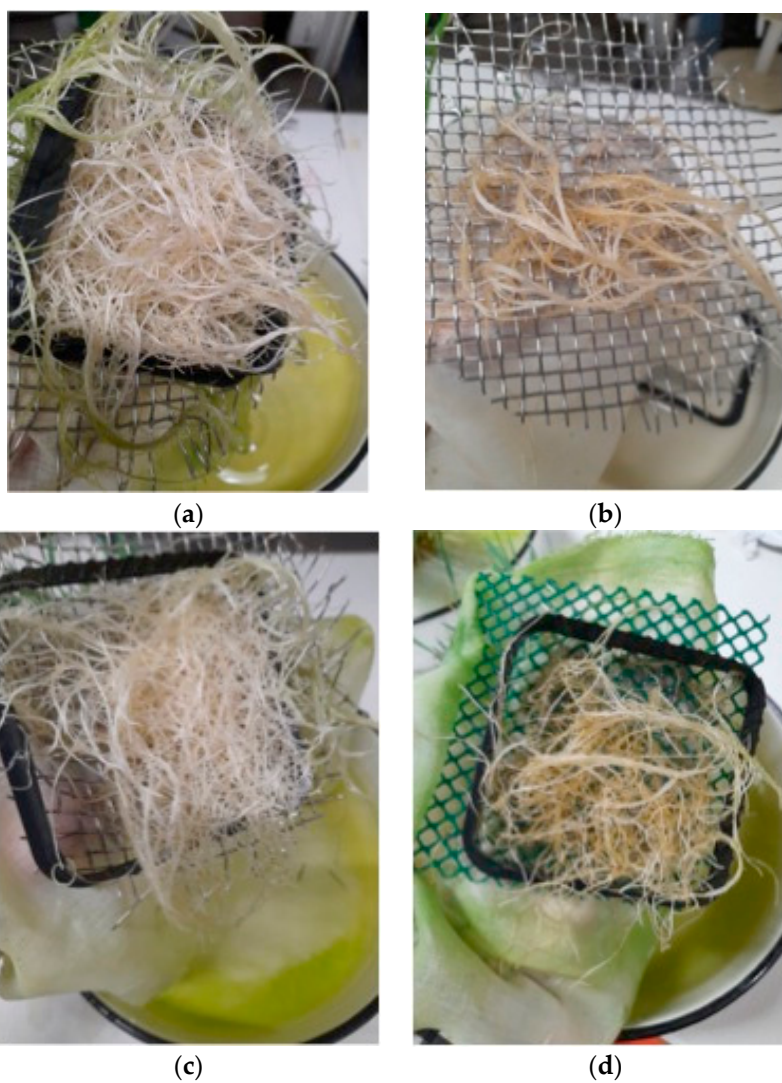


Figure S2. Root growth of cv. Vinjett wheat seedlings grown under various treatments. (a) Control seedlings. (b) 100 mM NaCl (c) 1 mM K₂SiO₃ (d) 100 mM NaCl + 1 mM K₂SiO₃.

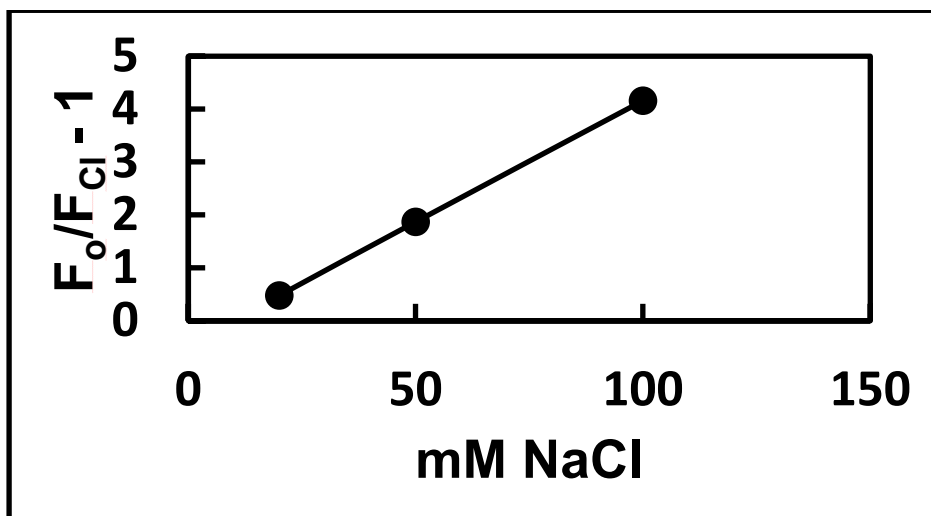


Figure S3. In situ calibration of MQAE fluorescence versus NaCl concentration shown in a Stern-Volmer plot according to Verkman et al. (1989). F_0 = fluorescence in the absence of chloride, F_{Cl} = fluorescence in the presence of Cl^- . Excitation and emission wavelengths were 350 ± 10 and 460 ± 10 , respectively.