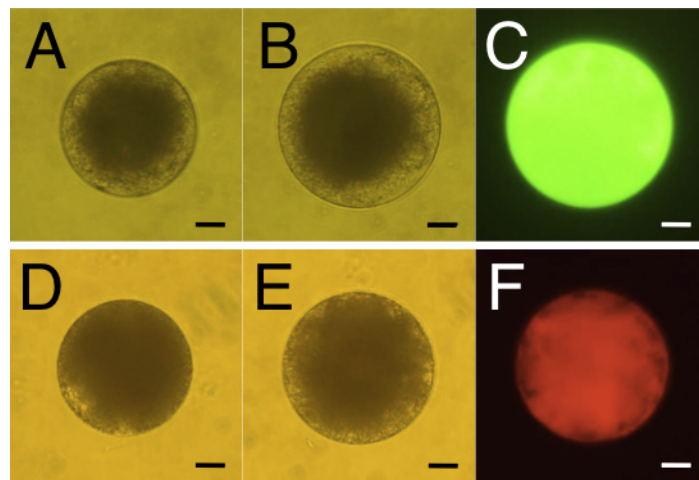


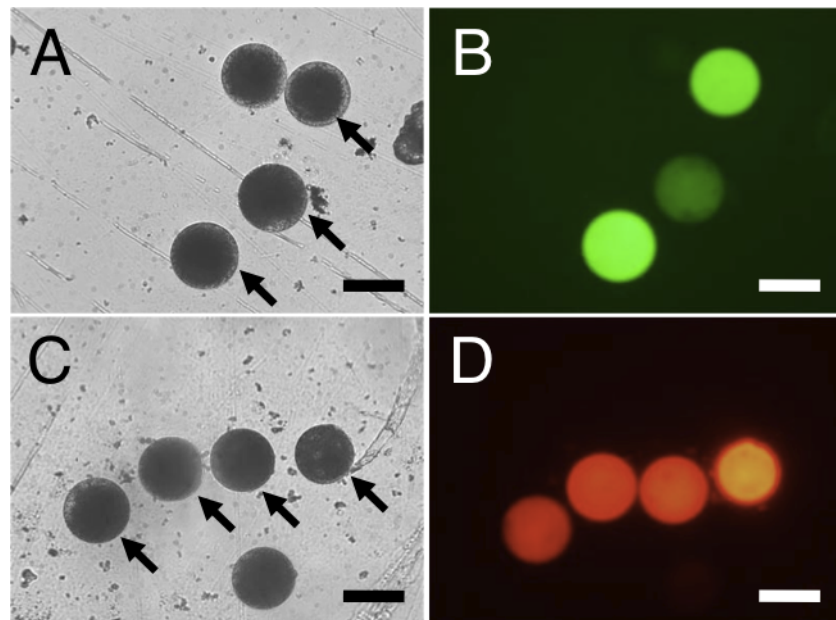
Supplementary Figure S1. Morphological features of lily pollen protoplasts. A micrograph of the protoplasts isolated from lily pollen.

The protoplasts were suspended in isotonic solutions. Bar: 100 μm .



Supplementary Figure S2. Morphological features of transfected pollen protoplasts.

The morphological features of pollen protoplasts expressing aquaporins are shown. Protoplasts transfected with Zm13::AtPIP1;1 (A–C) and Zm13::AtPIP2;1 (D–F). Microscopic images of protoplasts in an isotonic solution (A and D) and in a hypotonic Solution with maximum expansion (B and E). Fluorescence images of protoplasts with GFP or DsRed2 in a hypotonic solution (C and F). Bar: 20 μm .



Supplementary Figure S3. Gene transfer into lily pollen protoplasts by electroporation.

Lily pollen protoplasts were transfected with Zm13::AtPIP1;1 (A-B) and Zm13::AtPIP2;1 (C-D) by electroporation. They were observed under bright-field (A and C) or dark-field (B and D) microscopy. Arrows indicate transfected protoplasts expressing GFP or DsRed2.