



Figure S1 Phenotype characterization of the *Osmsh4-1* mutant.

A, Comparison of a wild type (WT) plant (left) and an *Osmsh4-1* plant (right).

B, Comparison of WT panicles (left) and *Osmsh4-1* panicles (right).

C, I₂-KI staining of wild type pollen grains.

D, I₂-KI staining of *Osmsh4-1* pollen grains. Scale bars, 50 μm.