



Supplementary Fig. S1 Phenotypes of the WT and *ven2* mutant. (a-b) The wild-type (WT) (a) and *ven2* (b) homozygous ear at maturity. Scale bars, 1 cm. (c) Comparison of hundred-grain weight of randomly selected mature WT and *ven2* seeds. (d) Quantification of the starch content in WT and *ven2* endosperm at mature stage.