



Supplementary Fig. S5 Analysis of zein and non-zein in WT^{HuangZao4} seeds and *ven2-1* seeds. (a-b) SDS-PAGE analysis of zein (a) and non-zein (b) in WT^{HuangZao4} and *ven2-1*. (c) Quantification of zein and non-zein contents in WT^{HuangZao4} and *ven2-1* mature endosperm. (d) Zein genes expression analysis by qRT-PCR. Normalization was performed against the maize *Actin* gene (Zm00001d010159). Values represent the mean and SD of biological replicates (n=3), ** refers to $P < 0.01$; ns, no significant difference; Student's *t*-test.