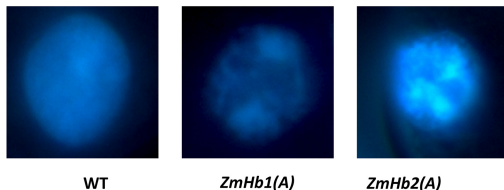
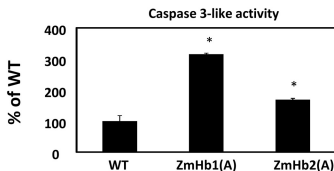
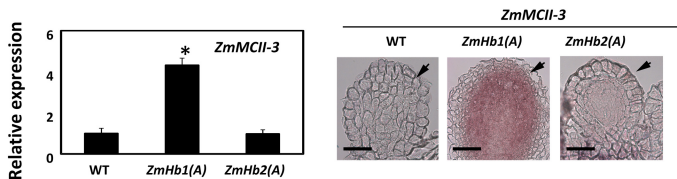


A**B****C**

Supplemental Figure 6. Cytological and molecular hallmarks of PCD in *ZmHb*-suppressing embryos. (A) Nuclear fragmentation in cells targeted by PCD in immature (day 7, P medium) embryos. (B) Caspase 3- like activity in immature (day 7, P medium) embryos. * Statistically significant difference ($p \leq 0.05$) from WT set at 100%. (C) Expression levels of *metacaspase II-3* in the transgenic lines. Values are means \pm SE of three biological replicates and are normalized to the WT value set at 1. * Statistically significant difference ($p \leq 0.05$) from WT. Localization of *metacaspase II-3* in the WT, *ZmHb1(A)*, and *ZmHb2(A)* lines. Arrows indicate the apical domain of the embryos. Note that the *metacaspase*-expressing domains coincide with those suppressing *Hbs* (Figure 1C) and accumulating NO and Zn^{2+} (Figure 1E). Scale bars = 30 μ m. *Metacaspase* expression and localization studies were conducted in immature (day 7, P medium) embryos.