

**Supplementary Fig. 1.** Germination progress of *Z. tubispatha* seeds (A), and detail of the emerged embryo (B), showing the non-haustorial segment of the cotyledon (black arrowhead). Other embryo parts are indicated as follows: primary leaf (pl); cotyledonary sheath (cs); cotyledonary node (cn); primary root (pr).



**Supplementary Fig. 2.** Hydration profile in *Z. tubispatha* seeds germinated at 20 or 33 °C.



**Supplementary Fig. 3.** DAB staining of representative embryos isolated from seeds exposed to the indicated temperature treatments. Note the coloring of the radicle (lower) and haustorial (upper) poles (black arrowheads) in embryos sampled at the beginning of germination at 20 °C.