



Fig. S1 Internal 3D-structure of pansy seed at three stages of germination. Two 3D-rendering models produced by *Drishti* are represented for 220 CT slices **a** from 2/7 toward 3/7 and **b** from 4/7 toward 5/7 of seeds at three different stages of the germination as shown in Fig. 4c. The models are tilted to the left by 30° to show longitudinal sections. Lateral grooves on the embryo surface are artifacts due to a technical limitation of the manual segmentation. Scale bars: 20 μm