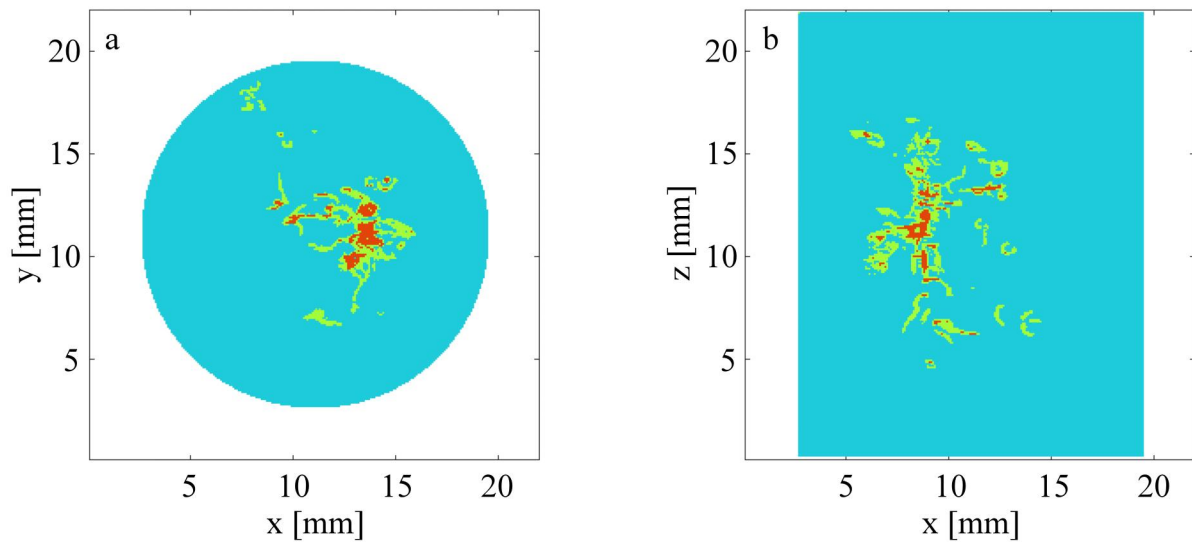




Supplementary Figure 6: Cross section of the 3D data set after the segmentation; the outer segment clearly surrounds the inner segment. As an advantage comparing to the simple evaluating by signal intensities (Figure 6) the segregation algorithm delivers a clearer picture. (a) An axial slice shows that the denser cell material is actually located inside the gametophyte and is surrounded by the leaflets; the background is found as cluster 1 (blue) by the algorithm. (b) The sagittal slice makes also visible that the leaf segment surrounds the stem segment.