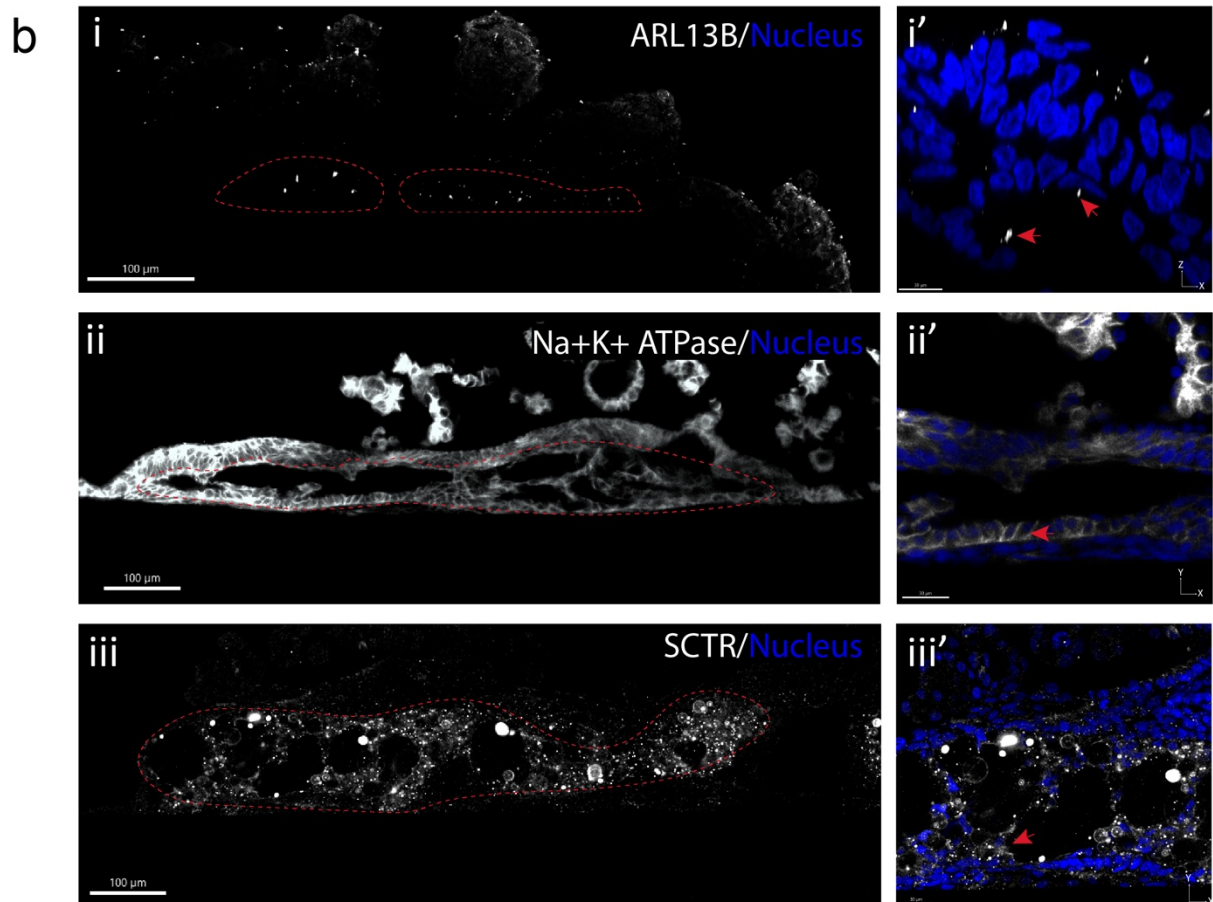
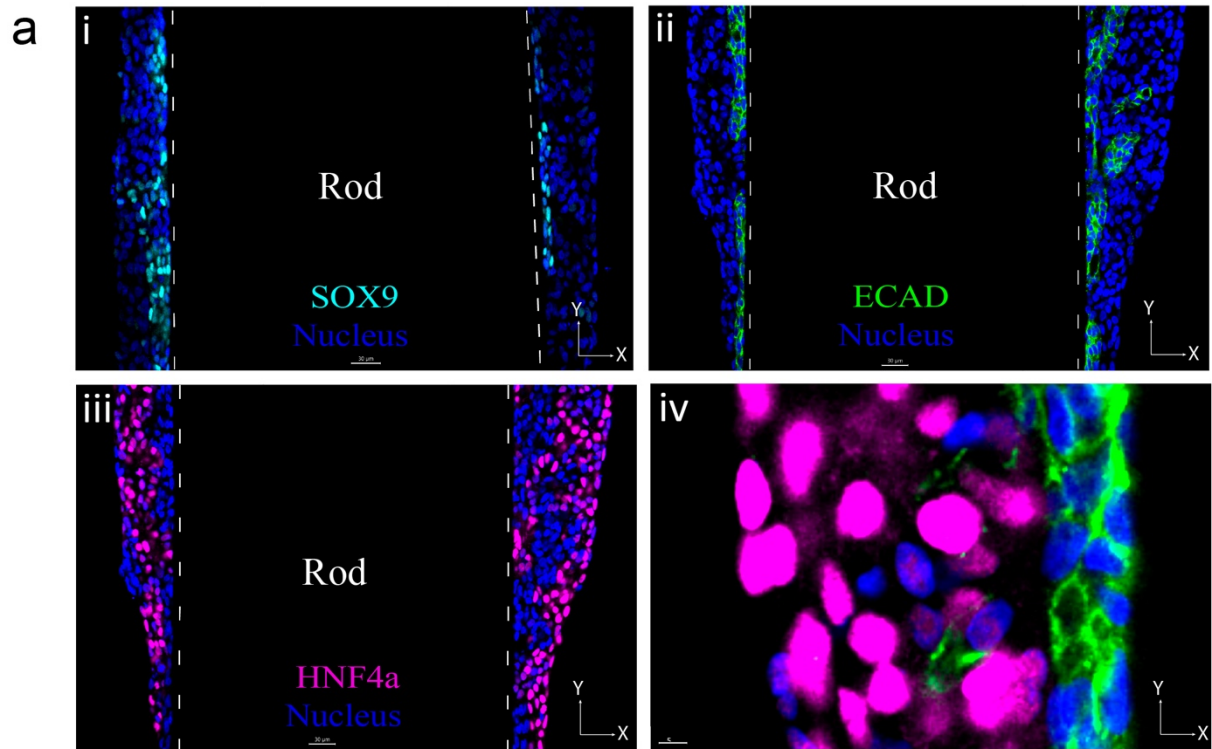
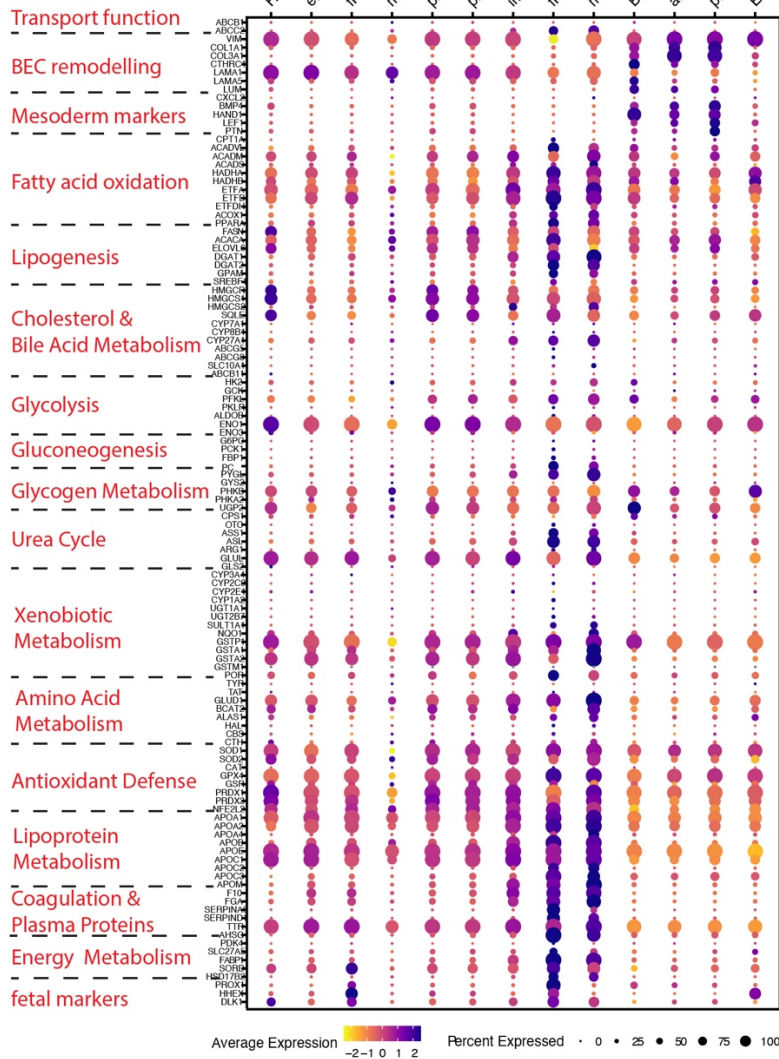


Supplementary Figure 1:

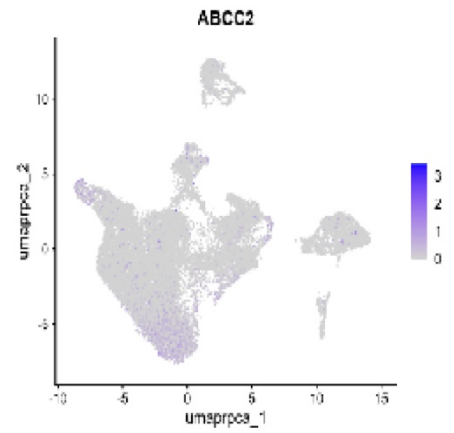


**Supplementary Figure 2:**

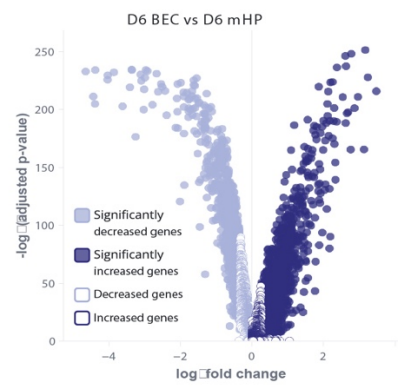
**a**



**c**

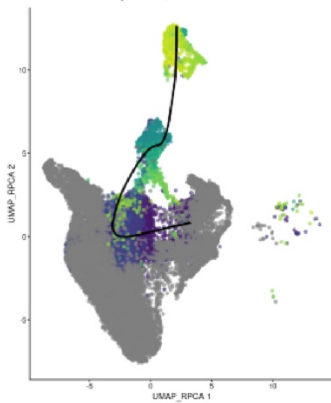


**d**

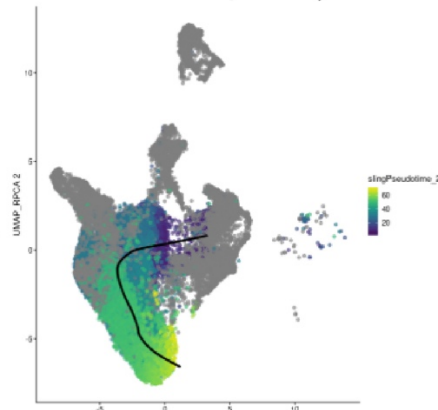


**b**

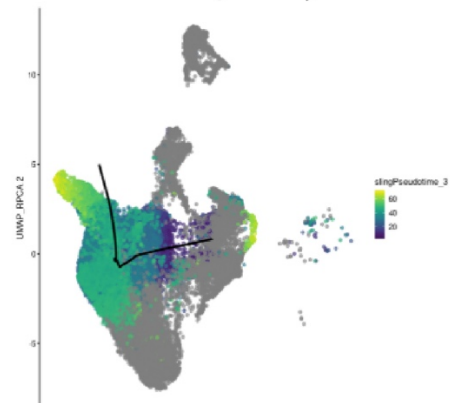
**Biliary Epithelial Cells**



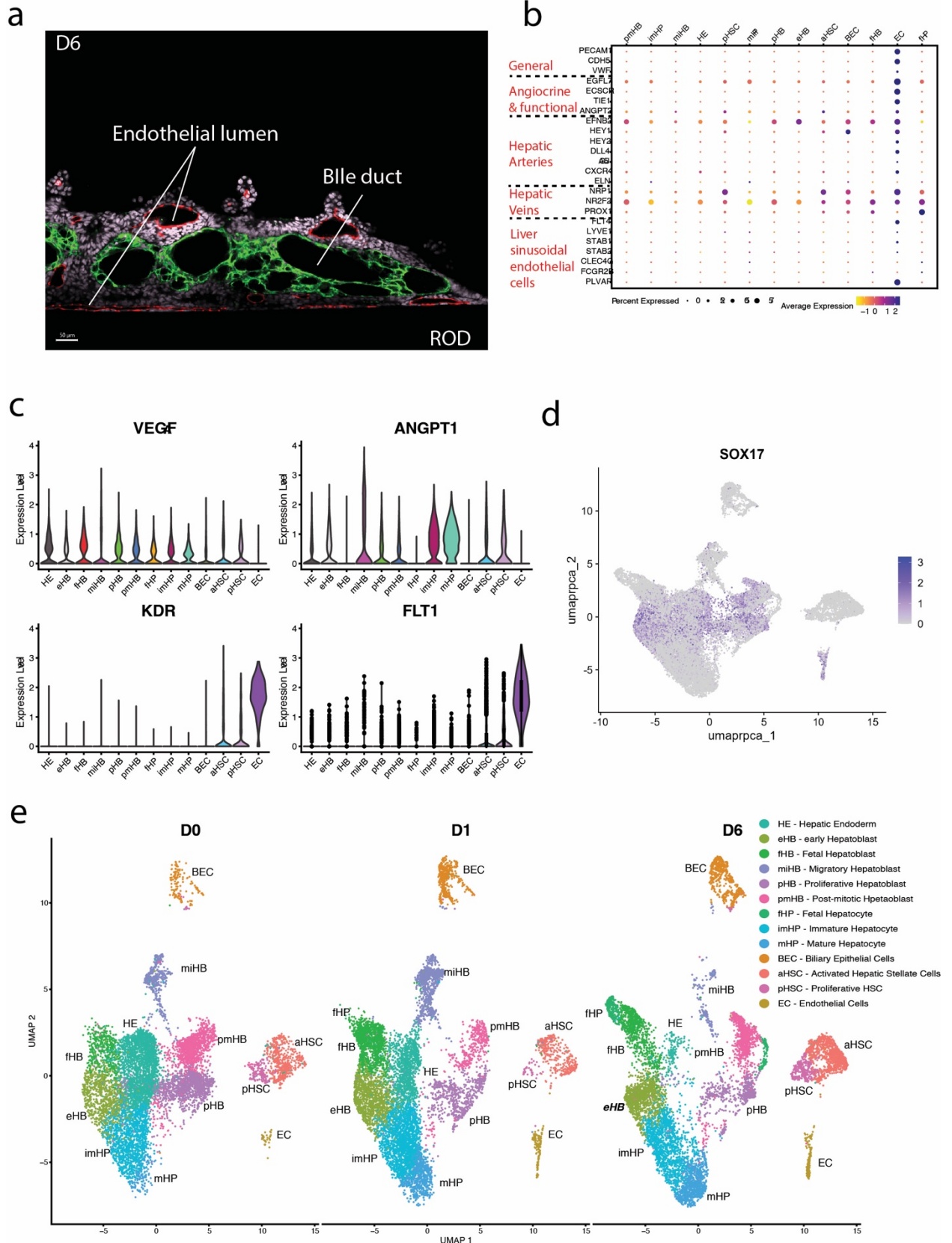
**Mature Hepatocytes**



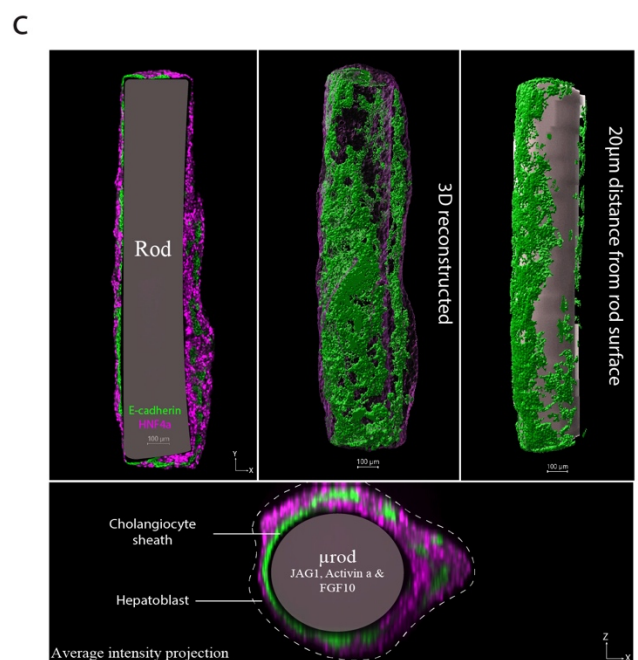
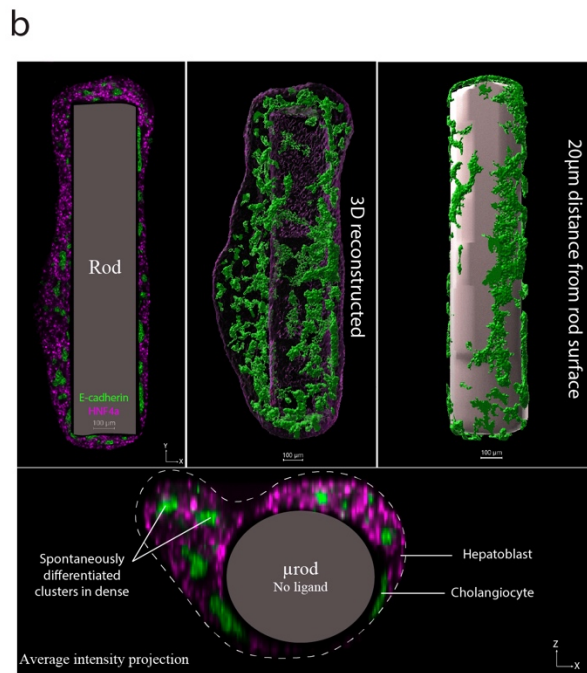
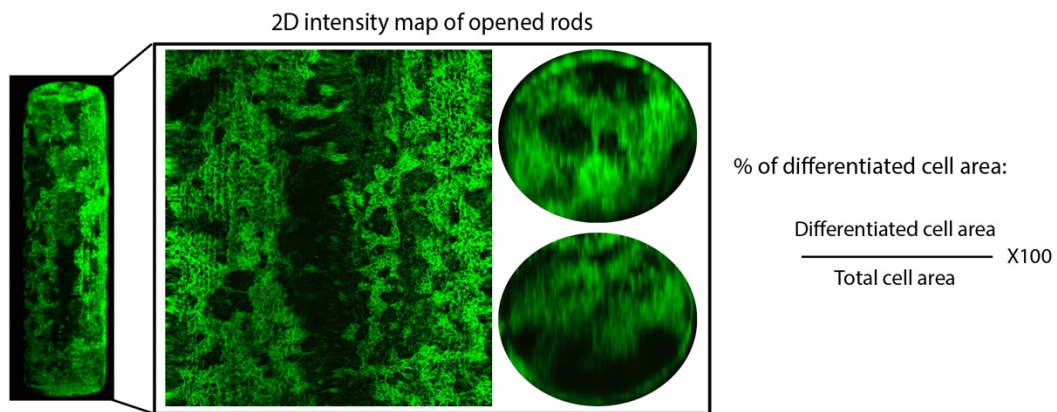
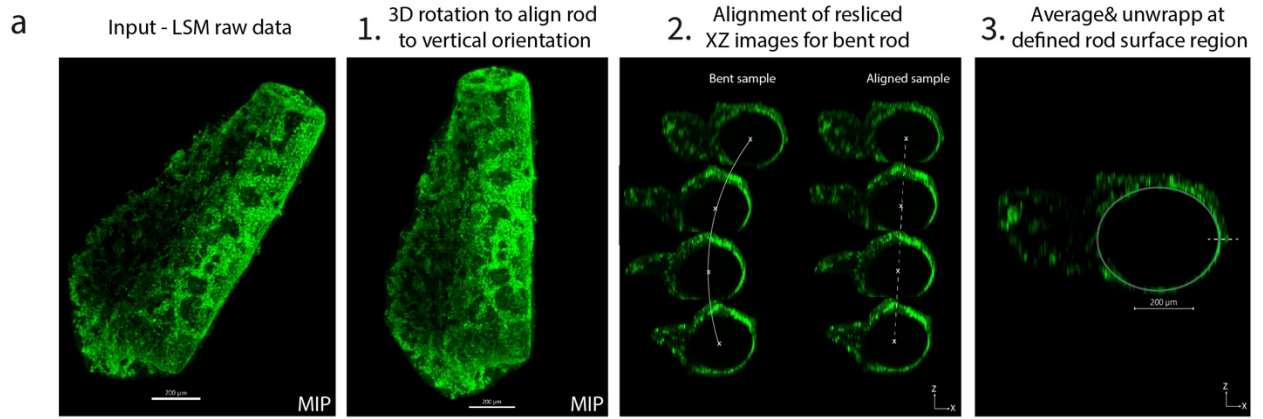
**Fetal Hepatocytes**



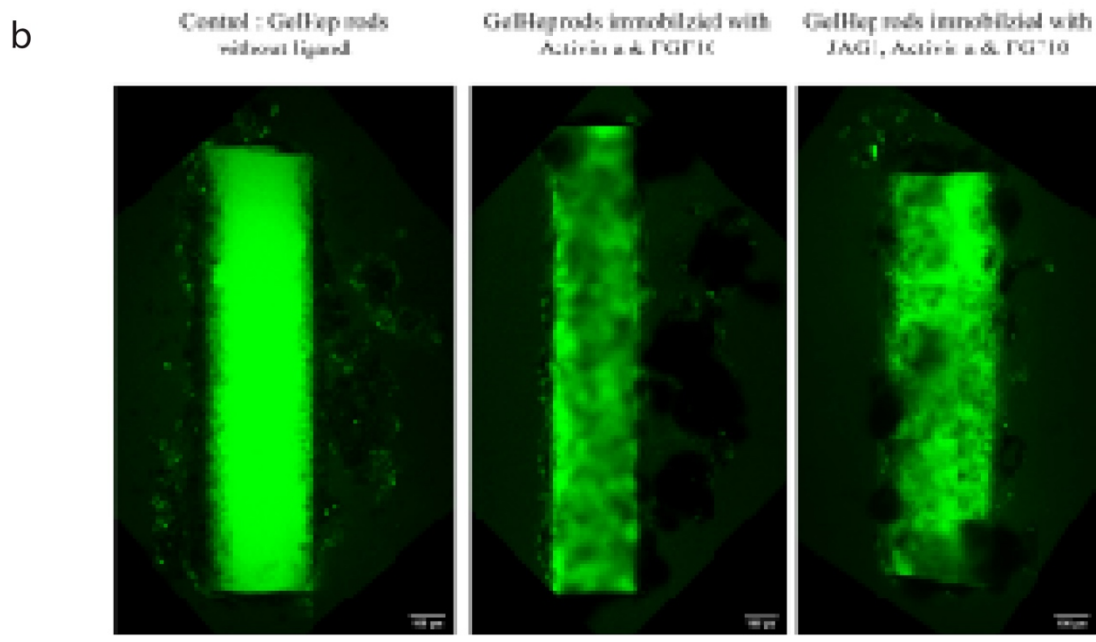
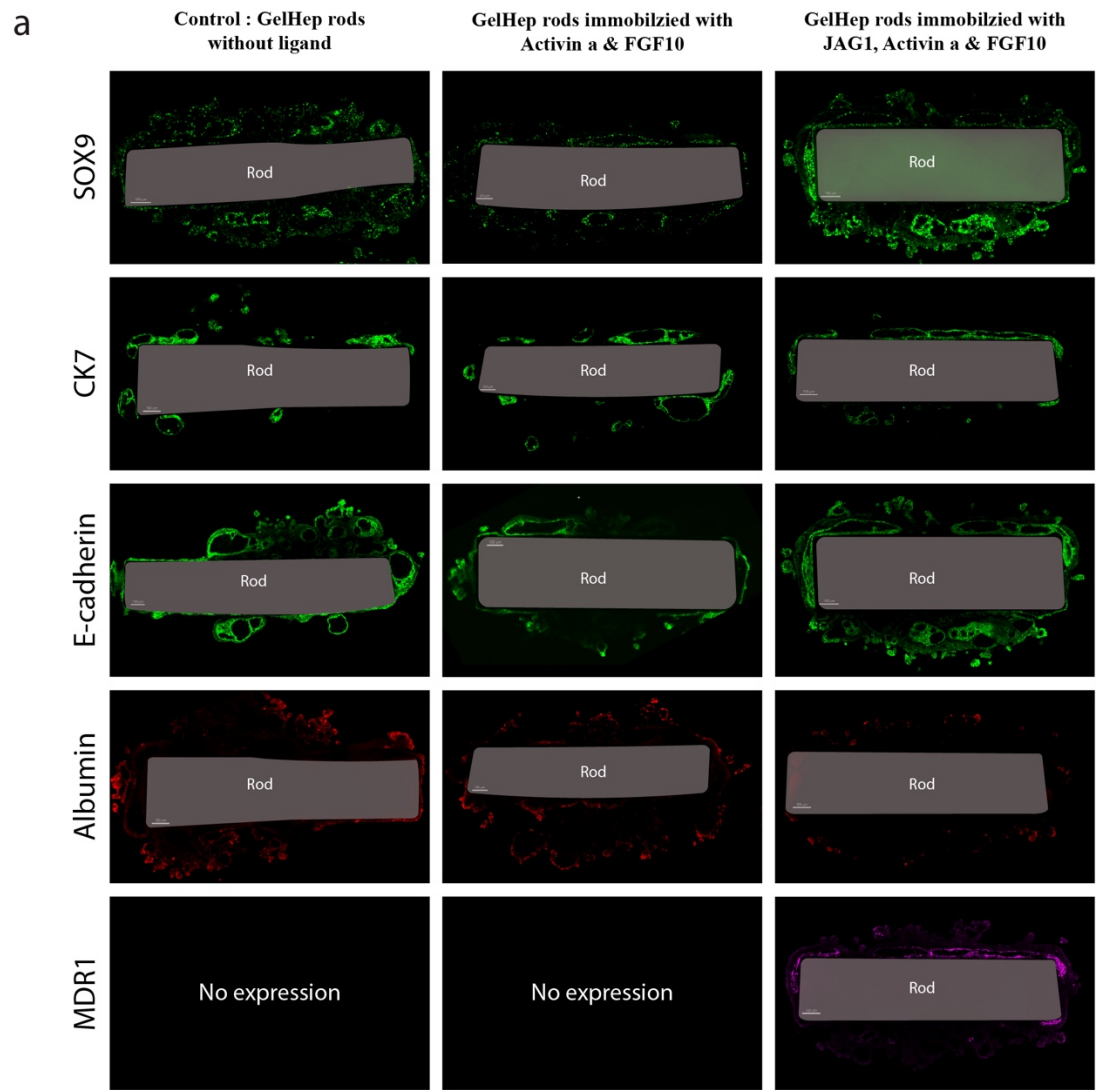
**Supplementary Figure 3:**



Supplementary Figure 4:

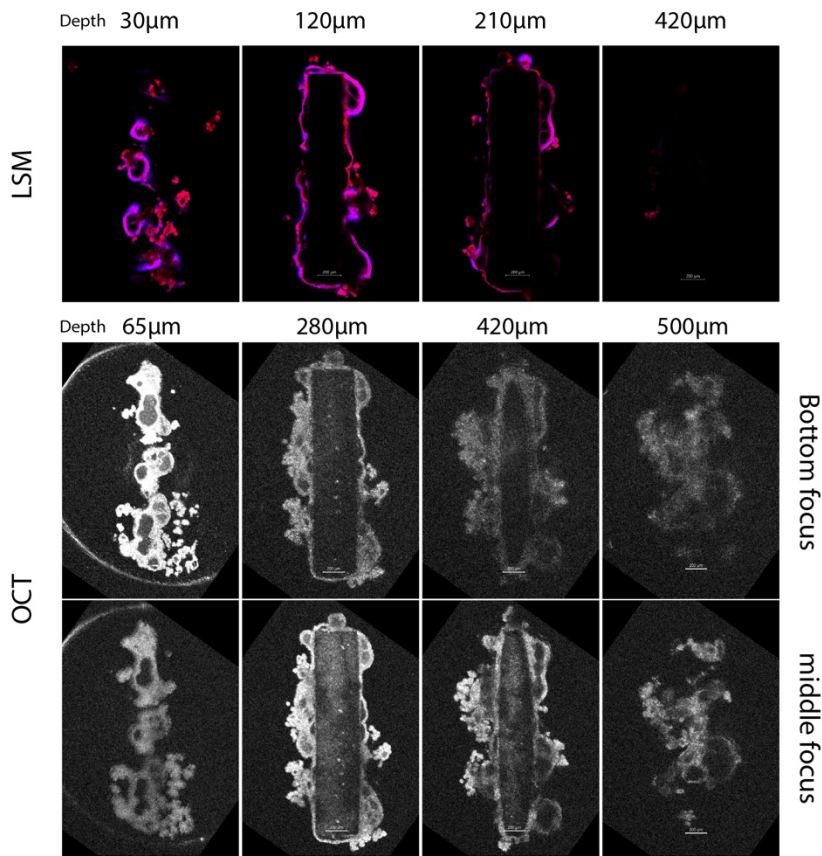


**Supplementary Figure 5:**

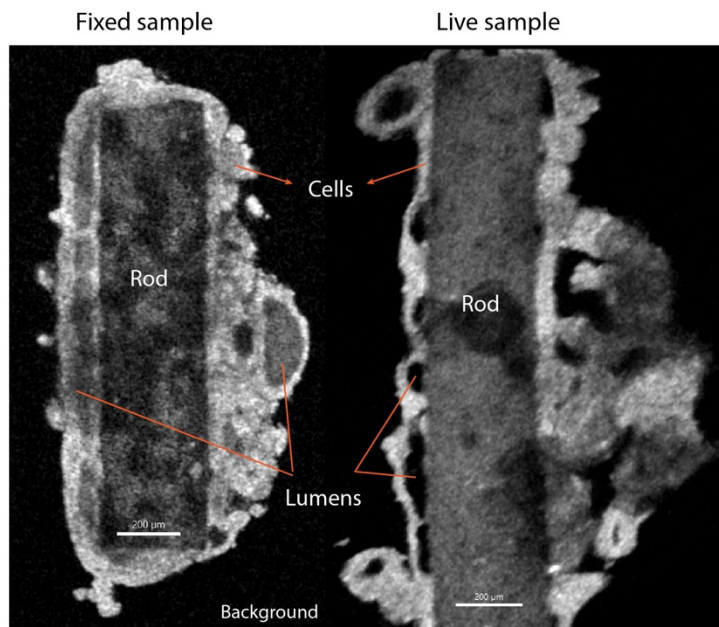


Supplementary Figure 6:

**a**

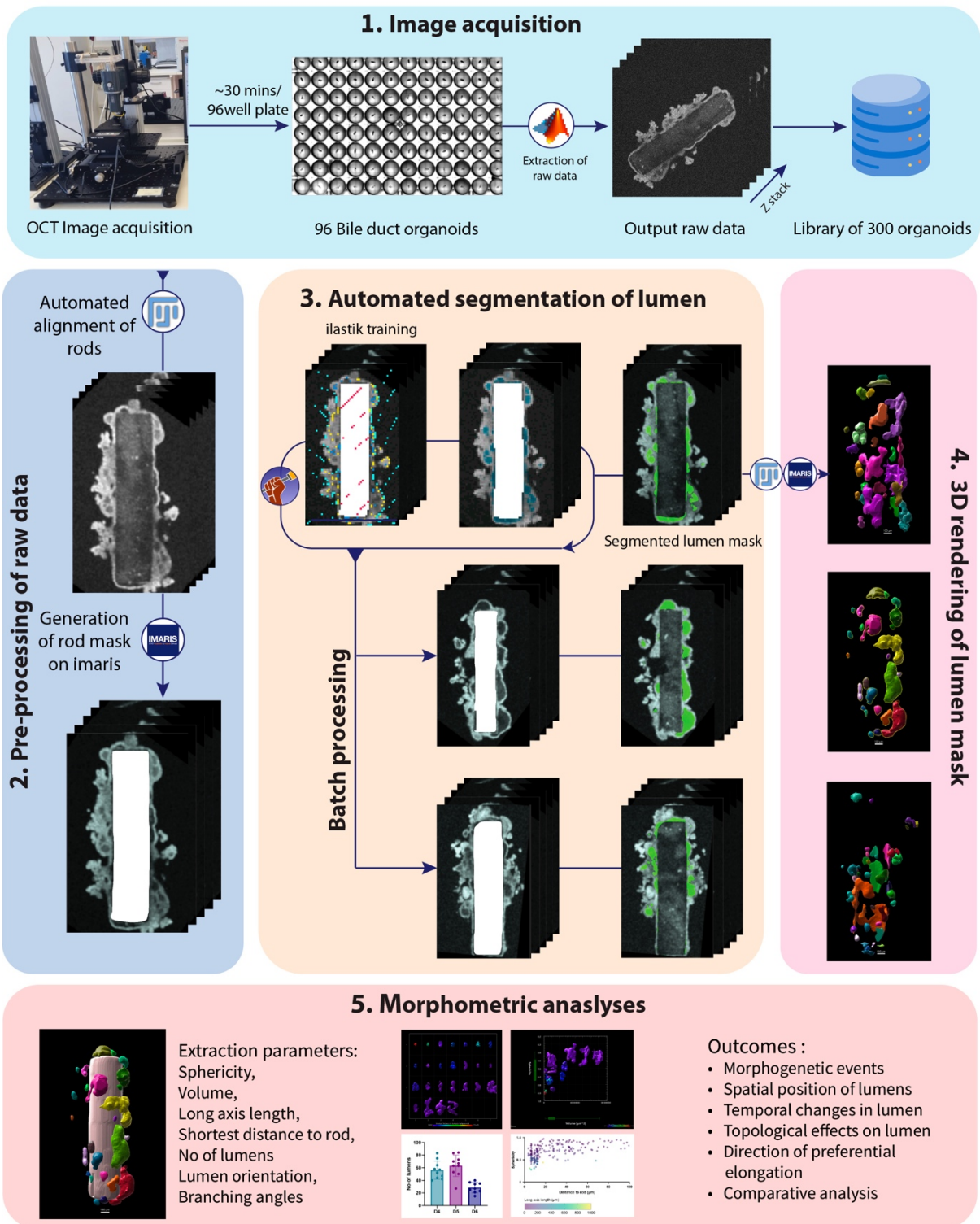


**b**

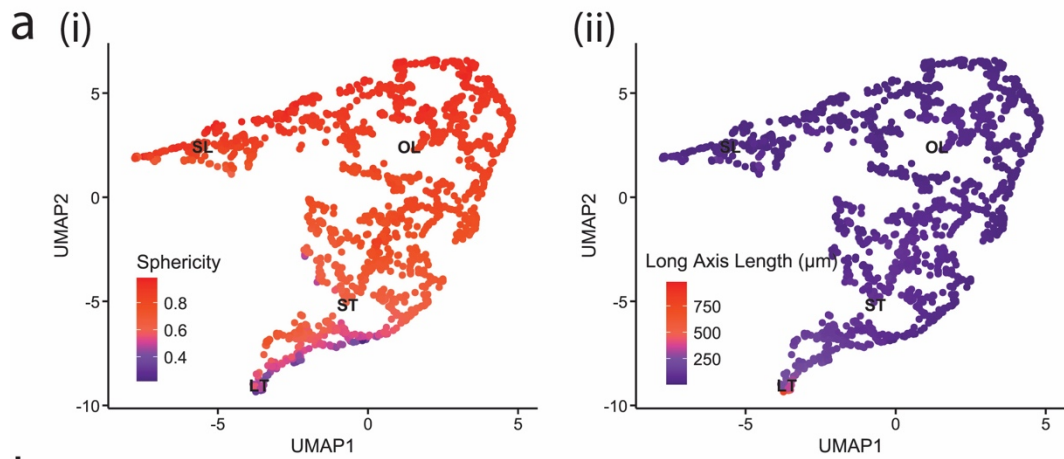


**Supplementary Figure 7:**

# High content imaging and image analysis pipeline

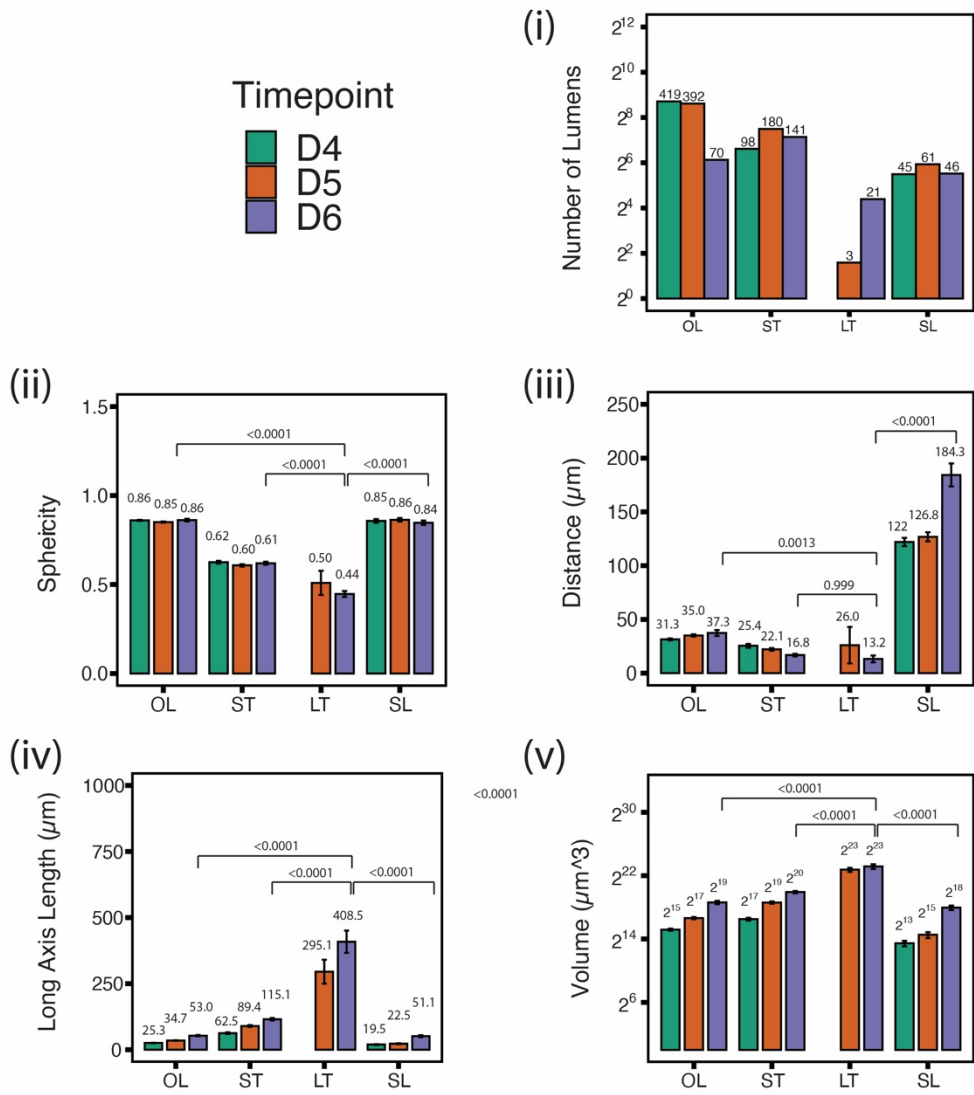


Supplementary Figure 8:

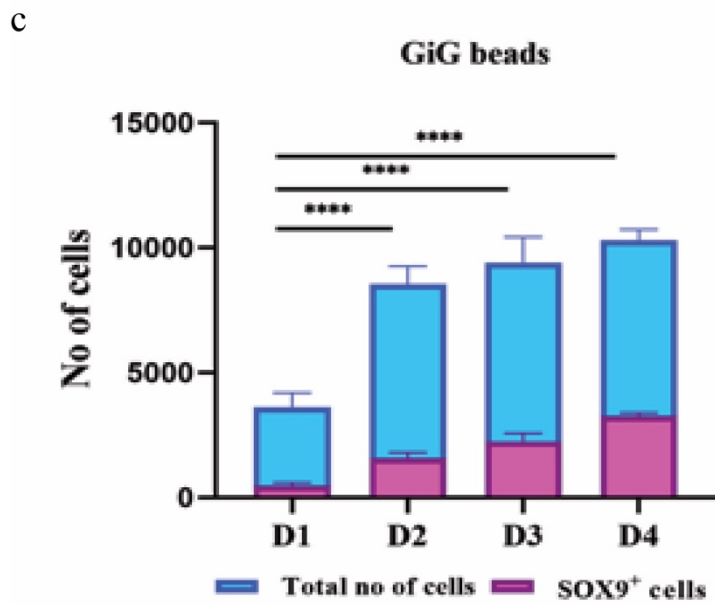
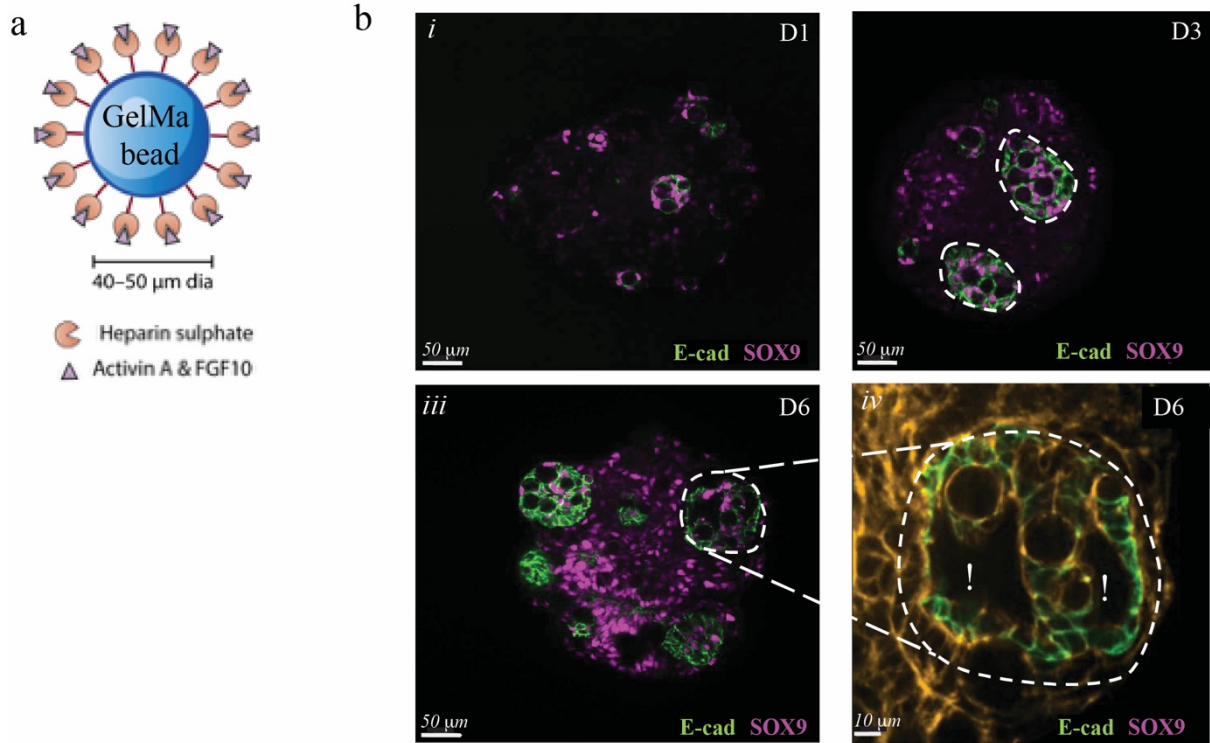


**b**

Timepoint



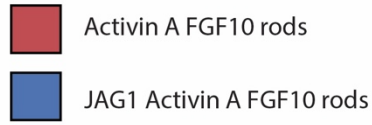
**Supplementary Figure 9:**



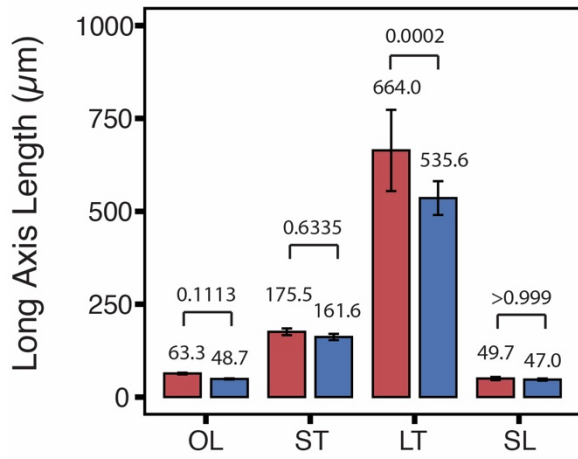
Supplementary Figure 10:

a

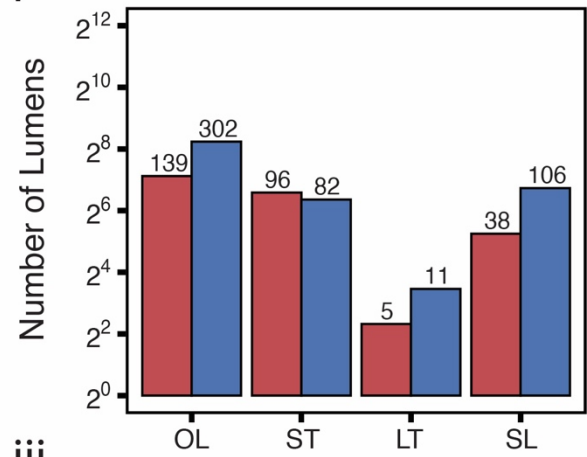
Condition



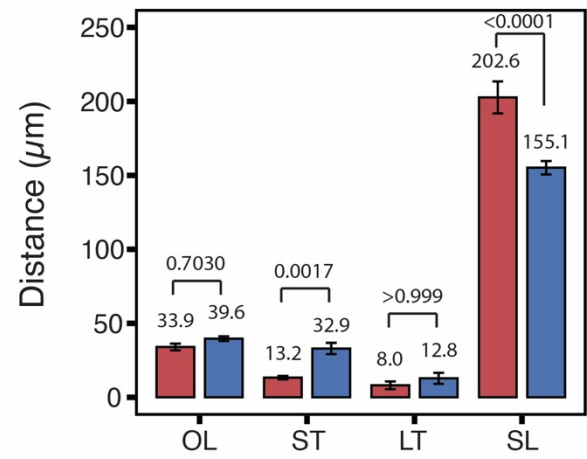
ii



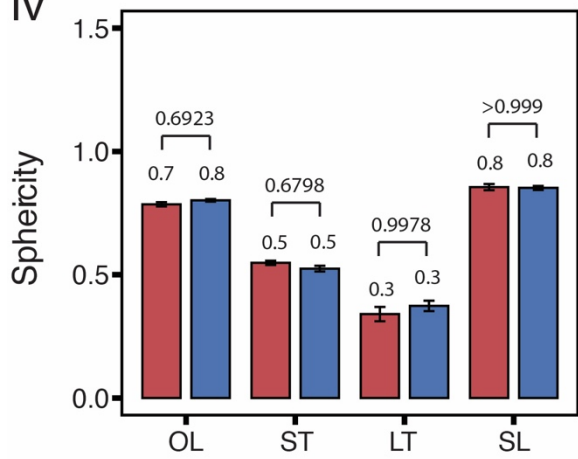
i



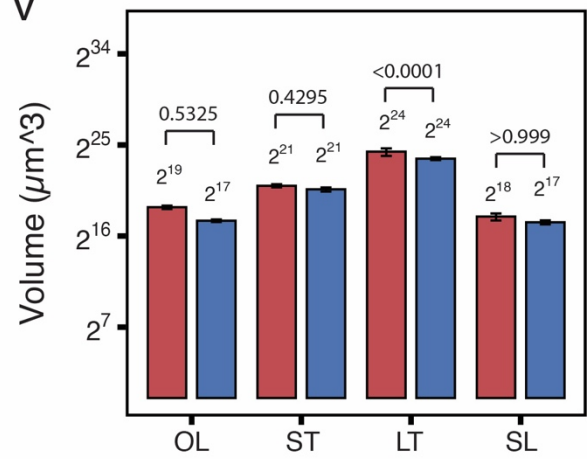
iii



iv



v



Supplementary Figure 11: