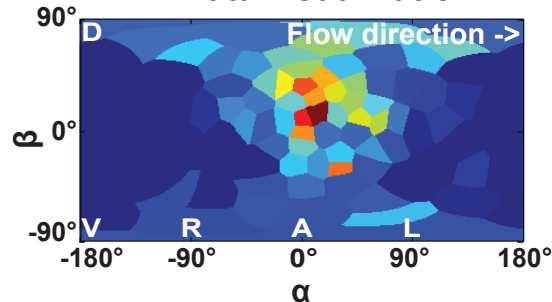
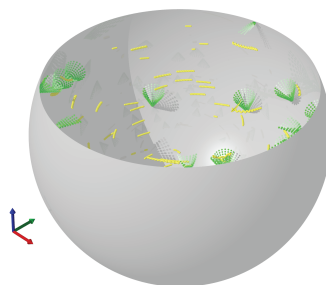
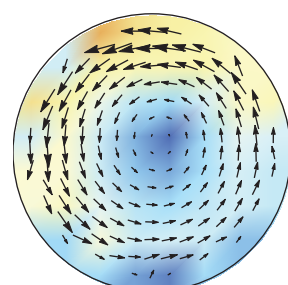


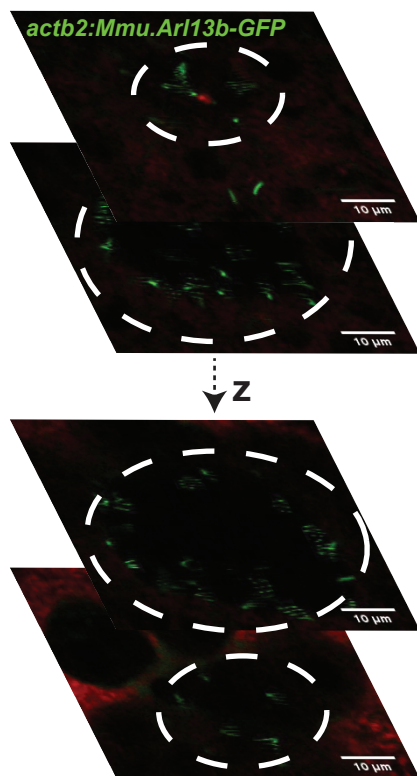
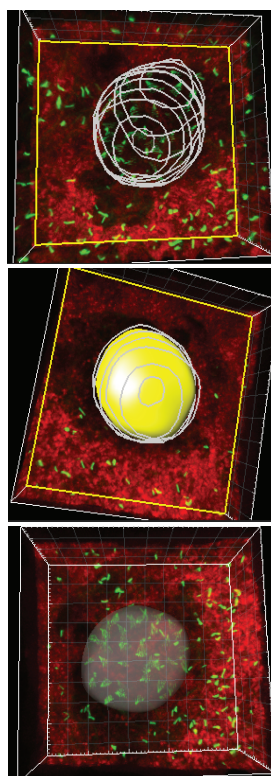
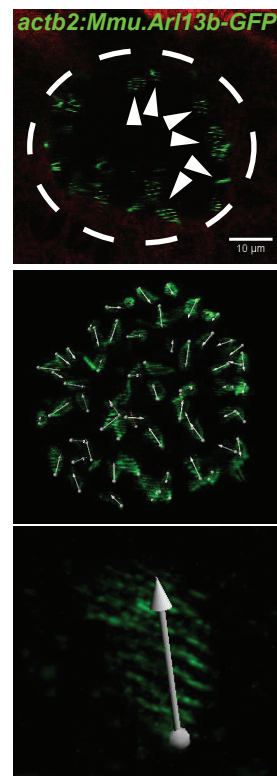
A**3D Cilia analysis****2D Data visualization****3D Modeling****2D Model visualization****B****KV**

- size
- shape (short/long axis)
- volume

Cilia

- motility
- spatial distribution
- surface density

- orientation of rotational axis
- average cilium
- LR differences

C**3D Live imaging****D****KV surface segmentation****E****Cilia vectorization***Figure 1 - figure supplement 1*