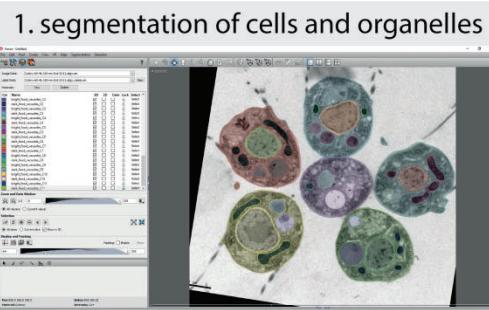
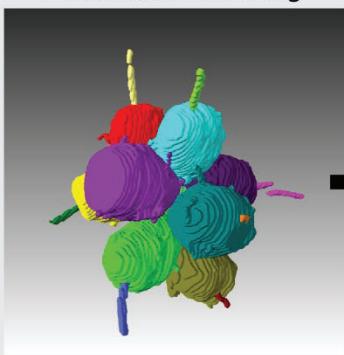
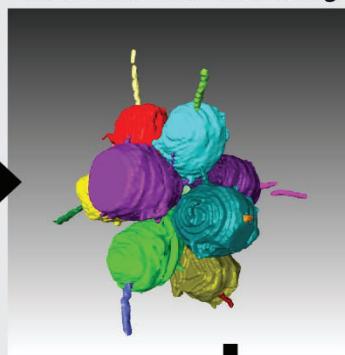


AMIRA

2.1 surface rendering



2.2 first surface smoothing



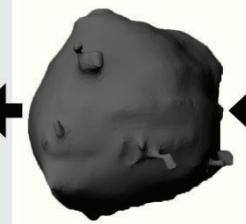
3.1. extraction of every single material (eg. mitochondria) from the image stack

**MAYA**

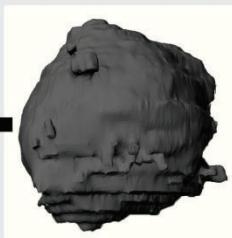
2.5 third surface smoothing



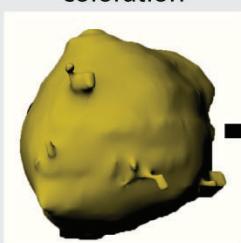
2.4 second surface smoothing



2.3 imported surface model



2.6 surface coloration



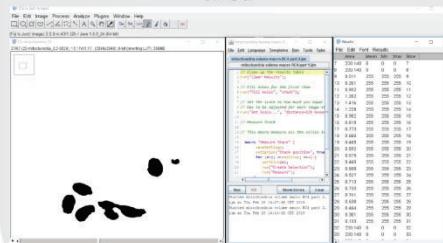
2.7 final surface rendering of a whole colony

**FIJI**

3.2 masking and preparation of a binary image

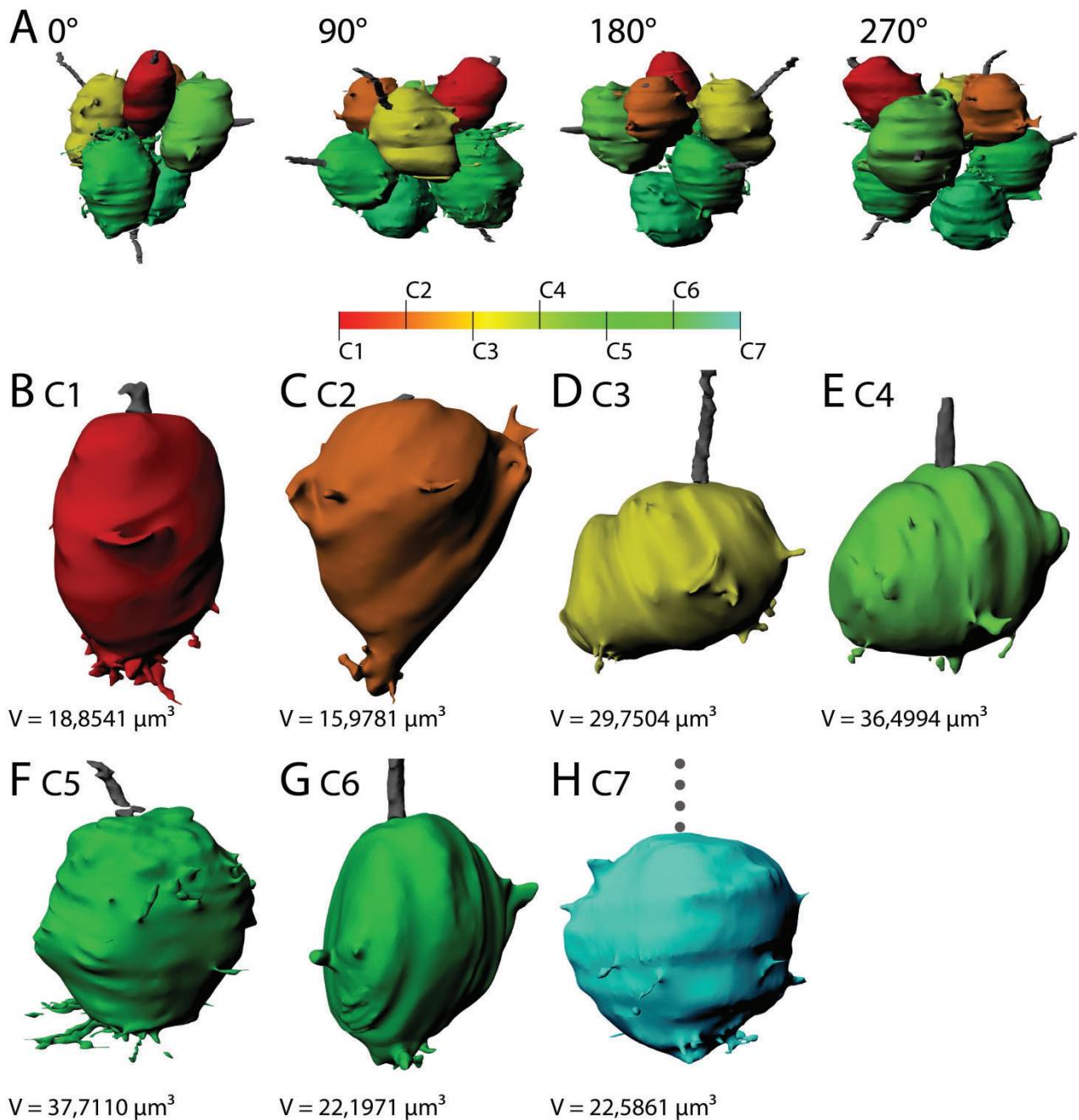


3.3 measurement of the surface area

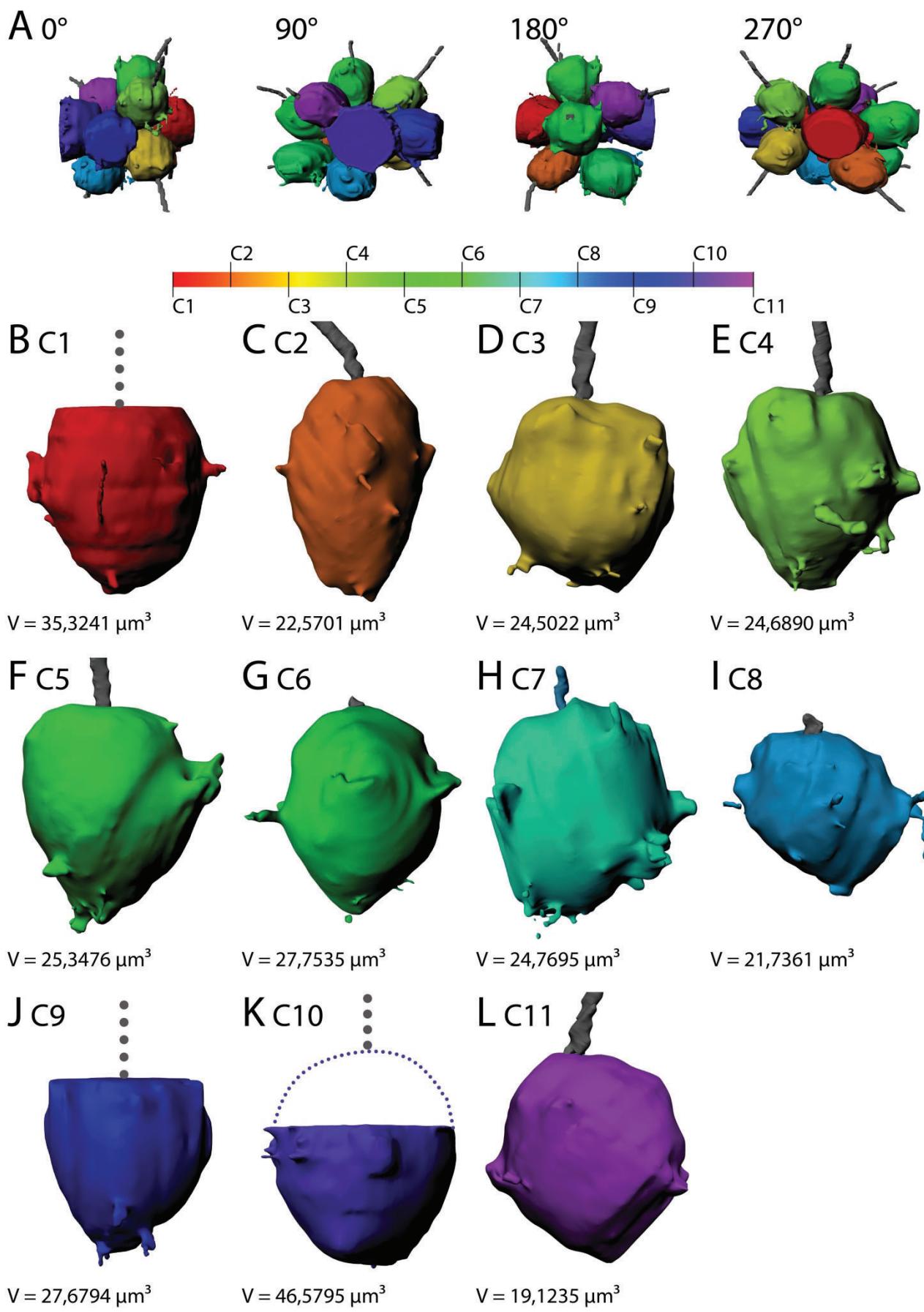
**EXCEL**

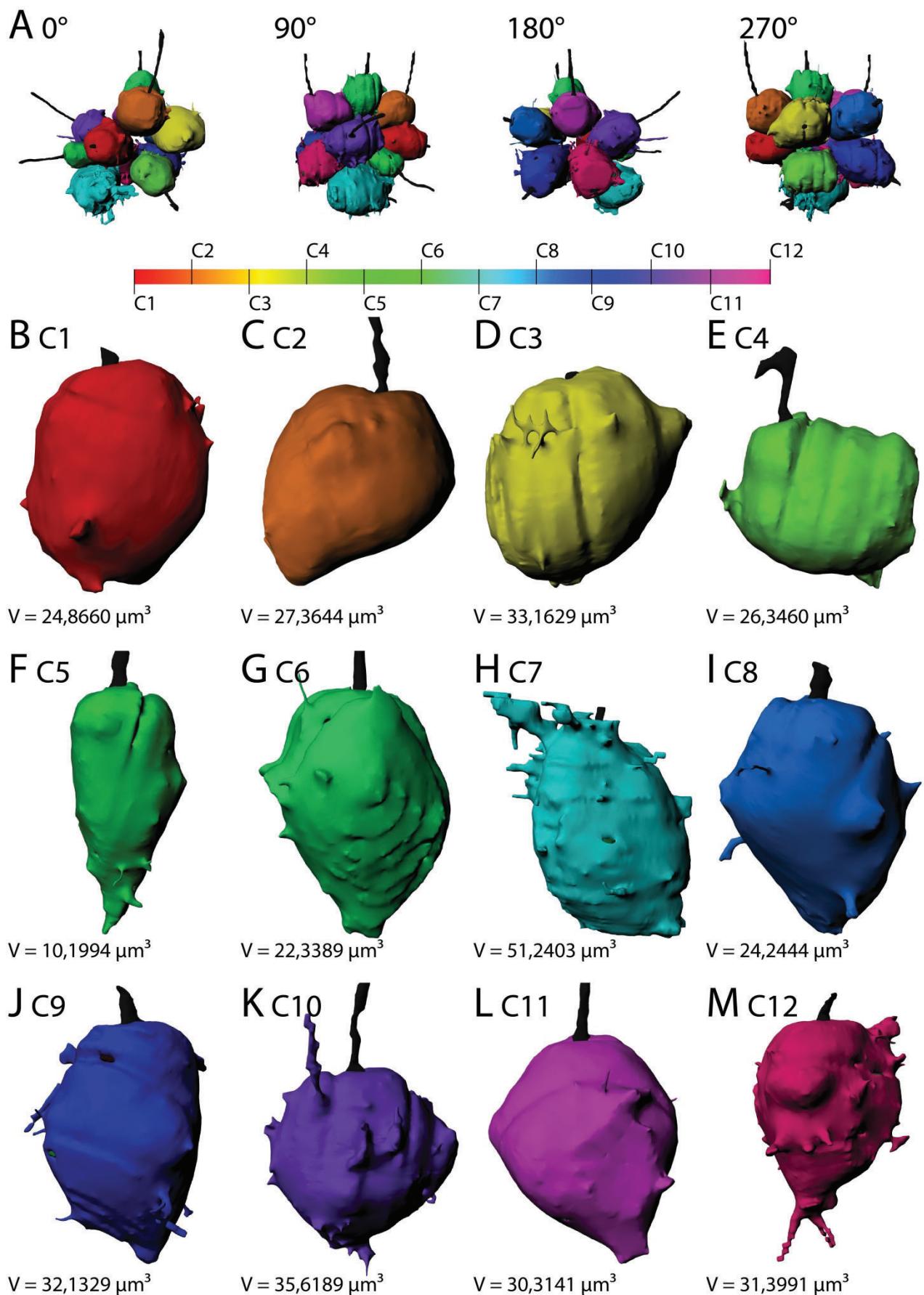
3.4 transfer of the measured values to Microsoft EXCEL and calculation of volumes and ratios

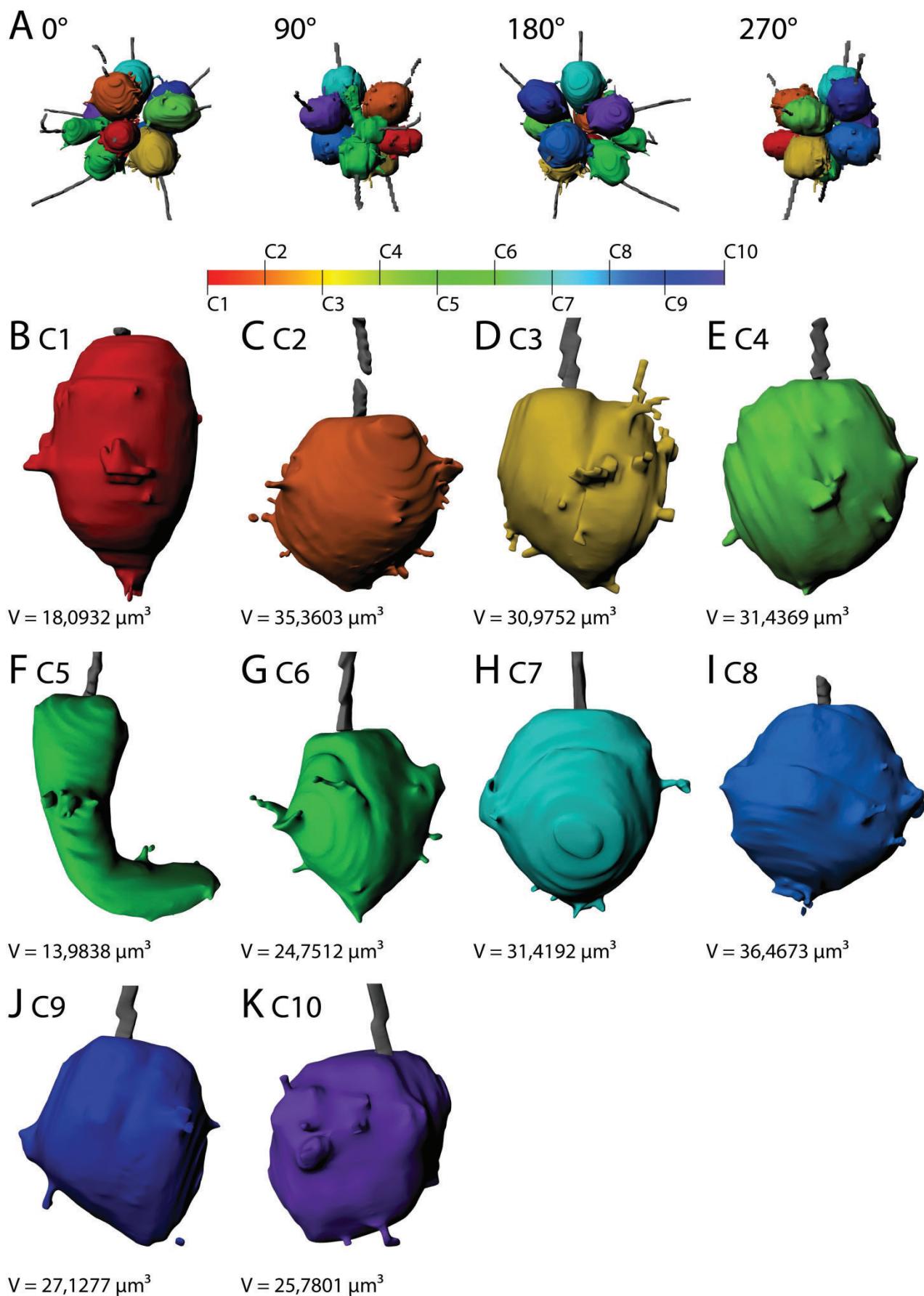
S2

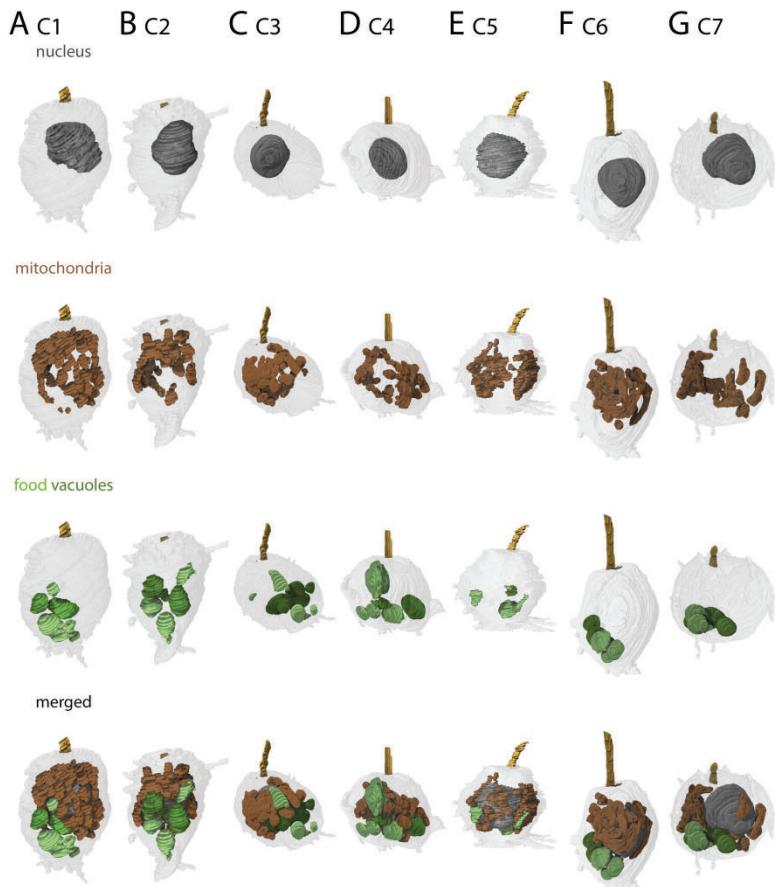


S3









S7

