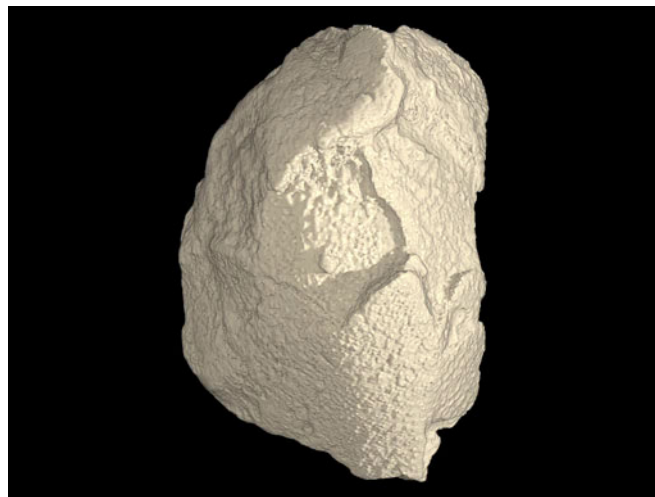


Supplementary Figure 1. Comparison of virtual slices through the (A–C) SK1-2 and (D–F) SK1-4 eggs using different X-ray microtomographic techniques. A, D: μ CT with a voxel size of $7.5\ \mu\text{m}$. B, E: SR- μ CT with a voxel size of $10.12\ \mu\text{m}$. C, F: PPC-SR- μ CT with an original voxel size of $5.06\ \mu\text{m}$ reduced to $10.12\ \mu\text{m}$ for objective comparison purpose. Scale bar = $5\ \text{mm}$.



Supplementary Movie 1. Animation showing results of 3D segmentation obtained on data from μ CT, SR- μ CT, and PCC- μ CT, respectively.