

Electronic Supplementary Information

Movie captions

Movie 1 Cross-section of a virtual tissue structure of tomato mesocarp tissue of 1.5% porosity during a compression test simulation. Cells that have ruptured become highlighted in red.

Movie 2 Cross-section of a virtual tissue structure of tomato mesocarp tissue of 1.5% porosity during a tensile test simulation. Cells that have ruptured become highlighted in red.