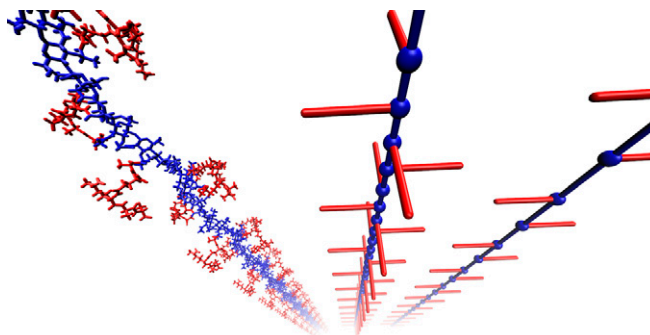


Supporting Information

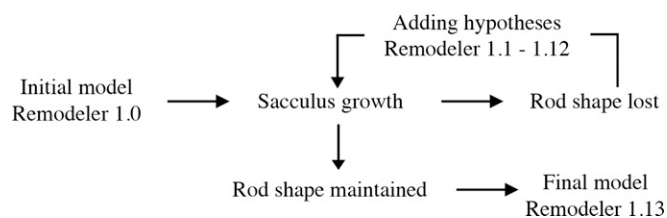
Nguyen et al. 10.1073/pnas.1504281112



Movie S1. Model building: how PG is coarse-grained, a start sacculus is created, and enzymes are implemented.

[Movie S1](#)

EXPLORATION OF MODELS






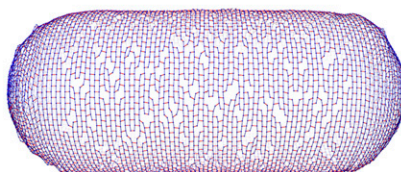
Movie S2. Exploration of models from the initial model (Remodeler 1.0) to the final model (Remodeler 1.13).

[Movie S2](#)

CONCLUSION

Local spatial and temporal coordination of the enzymes
could be sufficient to maintain rod shape.

 Transglycosylase  Transpeptidase  Endopeptidase



Movie S3. Final model: local spatial and temporal coordination of enzymes could be sufficient to maintain rod shape.

[Movie S3](#)

