

SUPPORTING MATERIAL

EFFECTS OF CRYSTALLINE SUBUNIT SIZE ON SILK FIBER MECHANICS

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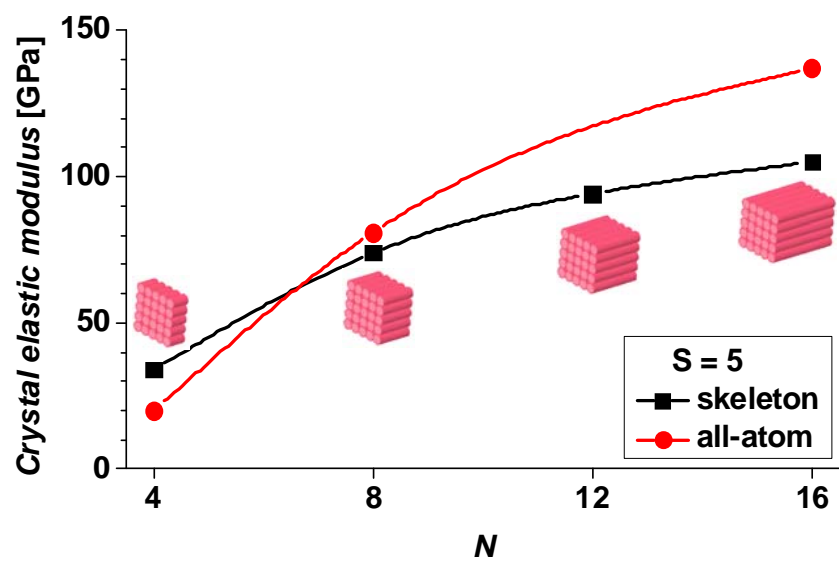
SUPPORTING FIGURE LEGENDS

Supporting Fig. S1. A comparison of the all-atom and skeleton models. The increase in the axial elastic modulus with respect to the backbone length, N is shown. Smooth lines are spline fits to the data points.

Supporting Fig. S2. Rupture properties of the crystalline subunits obtained from MD simulations. (a) The variation of the rupture stress and strain with respect to (a) the number of layers in a crystal, S , and (b) the backbone length, N . Smooth lines in (a) and (b) are spline fits to the data points.

SUPPORTING FIGURES

S1.



S2.

