

# Supporting Information

Biniek et al. 10.1073/pnas.1206851109

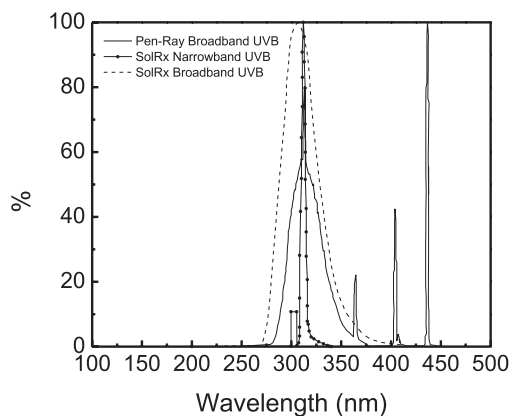


Fig. S1. Spectral output of light sources.

Table S1. Summary of parameters

Parameter	Units	Meaning
$\sigma_{SC}$	MPa	The mechanical stress in the plane of the SC tissue.
$E_{SC}$	GPa	The elastic "stiffness" of the tissue.
$G$	J/m <sup>2</sup>	The driving "force" from mechanical stress to cause crack propagation.
$G_C$	J/m <sup>2</sup>	The "resistance" of the material or tissue to crack propagation. When the mechanical stress is sufficiently large, $G = G_C$ and crack propagation occurs.