Supplementary material: 3D Reconstructed images using confocal microscopy.

Reconstructions for several crystals are given here as animated gif files computed using the ImageJ program:

Abramoff, M. D., Magalhaes, P.J., Ram, S.J. (2004). *Biophotonics International* **11**, 36 42.

Rasband, W. S. (1997-2008). *ImageJ, U. S. National Institutes of Health, Bethesda, Maryland, USA,* http://rsb.info.nih.gov/ij/,,

Movie 1: Reconstructed 3D view of a lysozyme crystal in a hanging drop. Image was reconstructed by combining stacks of confocal images taken in fluorescence mode after the crystal was soaked in fluorescein dye.

Movie 2: Reconstructed 3D view of thermolysin crystals in a hanging drop. This view was reconstructed by combining stacks of confocal images taken in reflection mode without any use of dye.

Movie 3: Reconstructed 3D view of a thermolysin crystal on a standard nylon loop mount. This view was reconstructed by combining stacks of confocal images taken in fluorescence mode after soaking the crystal in acridine orange dye.

Movie4: Reconstructed 3D view of an X-ray exposed lysozyme crystal on a MiTeGen MicroMount (Fig. 11 in the paper). Image was reconstructed by combining stacks of confocal images taken in fluorescence mode after the crystal was soaked in fluorescein dye.