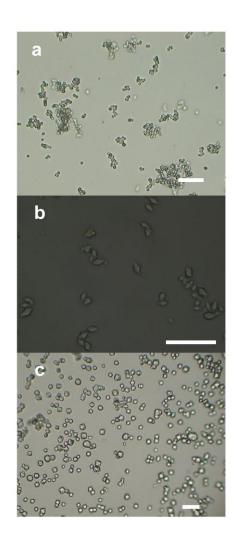
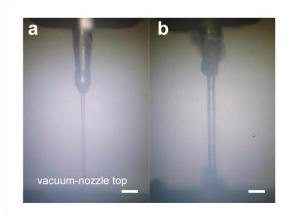
Hydroxyethyl cellulose matrix applied to serial crystallography

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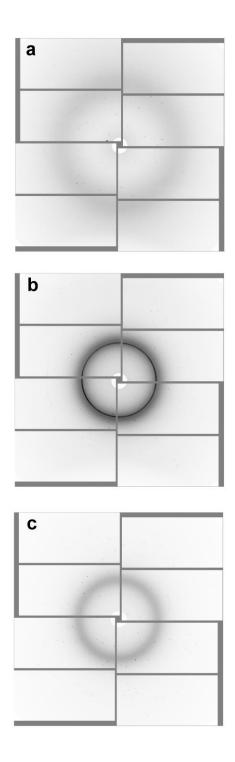
Supplementary Figures



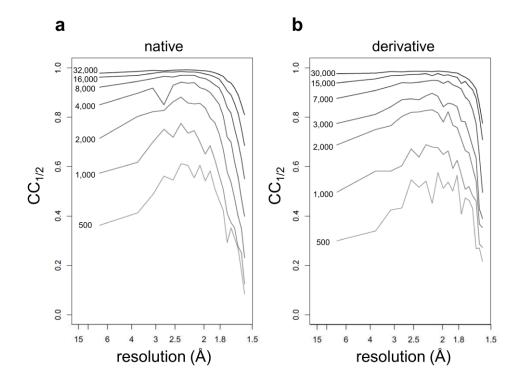
Supplementary Figure 1: Protein microcrystals used for SFX measurements. (a) lysozyme, (b) thaumatin and (c) proteinase K crystals. Scale bars represent 20 μ m.



Supplementary Figure 2: Sample extrusion of the two crystal carriers. (a) hydroxyethyl cellulose and (b) Super Lube Nuclear grease were extruded as a continuous column to intersect with the XFEL beam through a 50- and 100- μ m-i.d. nozzle, respectively. Scale bars represent 200 μ m.



Supplementary Figure 3: Typical XFEL single diffraction. (a) cellulose matrix, (b) Super Lube synthetic grease and (c) Super Lube nuclear grease.



Supplementary Figure 4: $CC_{1/2}$ of the proteinase K datasets for different numbers of indexed images. (a) native and (b) Pr-derivative.