Supplementary Information:

Challenges of Sulfur SAD-phasing as a Routine Method in Macromolecular Crystallography

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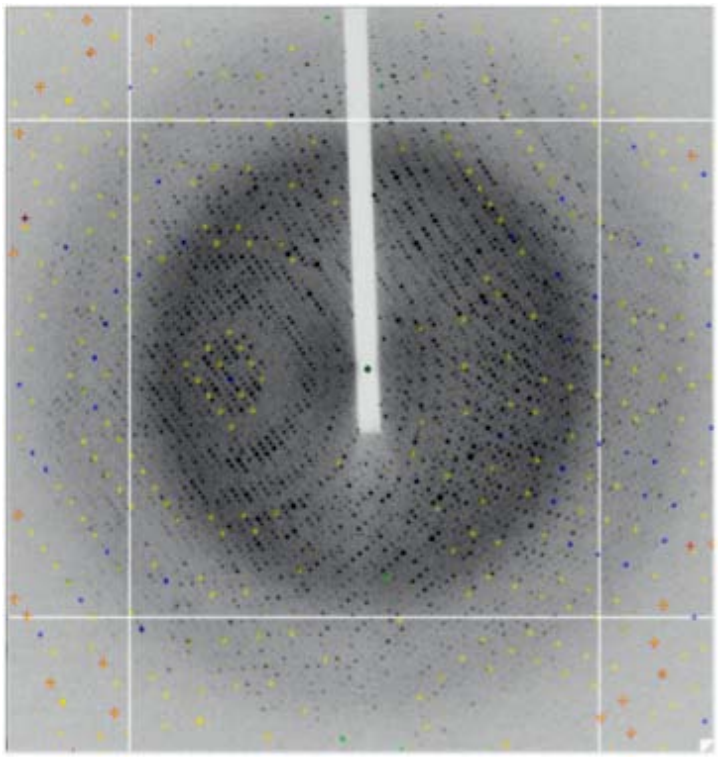
Figure Caption

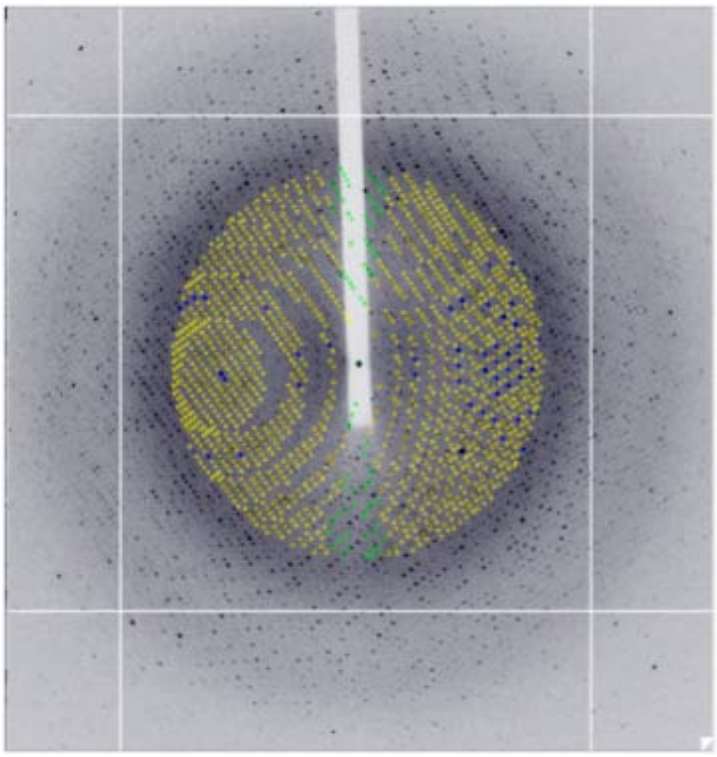
Figure 1. Individual diffraction images recorded from a crystal of AcNiR by beamline I02 at Diamond tuned to a wavelength of 2.4 Å. The spots are indexed, as indicated by the coloured circles, for the correct crystal symmetry and unit cell for (a) the primary x-ray wavelength of 2.4 Å and (b) using the 3rd order harmonic at 0.8 Å. The harmonic contamination of the primary x-ray beam is significant (estimated at ~ 40 %). This was subsequently achieved during data collection using 2.4 Å x-rays on beamline I03 at Diamond, as shown by the diffraction image correctly indexed in (c).

Figure 1

(a)



(b)



(c)