Table S2. Data Collection and Refinement Statistics

	***Dda_ykkC* IrHex**	***Dda_ykkC***
Data Collection		
Wavelength	1.1049	.9791
Resolution range	100.63 – 2.25 (2.32 – 2.25)	51.12 - 2.3 (2.382 - 2.3)
Space group	P 2 12 12	I 2 2 2
Unit cell	31.72 74.12 100.63 90 90 90	67.441 78.371 98.844 90 90 90
Total reflections	73599	79395 (7799)
Unique reflections	11858	11977 (1178)
Multiplicity	6.2 (5.9)	6.6 (6.6)
Completeness (%)	99.5 (95.2)	100 (100)
Mean I/sigma(I)	10.8 (0.8)	13.33 (2.05)
Wilson B-factor		54.76
R-merge	0.070 (1.835)	0.07749 (1.033)
R-meas	0.077 (1.998)	0.08472 (1.123)
CC1/2	0.998 (0.536)	0.991 (0.785)
CC*	0.999 (0.687)	0.998 (0.938)
Refinement		
Reflections used in refinement		16941 (1624)
Reflections used for R-free		1693 (163)
R-work		0.2061 (0.4408)
R-free		0.2389 (0.4601)
CC(work)		0.978 (0.662)
CC(free)		0.960 (0.526)
Number of non-hydrogen atoms		1904
macromolecules		1820
ligands		61
waters		23
Protein residues		0
RMS(bonds)		0.014
RMS(angles)		1.28
Clashscore		6.05
Average B-factor		56.54
macromolecules		56.23
ligands		67.17
solvent		53.44