

Experiment title:

Experiment number: MX-934

Beamline: ID14-eh2

Date of experiment: 15/02/2010 from: 9h30 to: 17h30

Date of report: 24/01/2011

Shifts: 1

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Report:

1) Project 1: Quorum sensing effector NprR

Structure of a truncated form of NprR.

We tested 50 crystals grown and freezed in different conditions.

We collected 4 data sets diffracting in space group P622, crystal 1 (a=93.68Å, b=93.68Å, c=106.56Å), crystal 2 (a=130.63Å, b=130.63Å, c=109.43Å), crystals 3 and 4 (a=132.26Å, b=132.26Å, c=104.20Å).

	Resolution (Å)	Completeness (%)	I/sig(I) (last shell)	Rmeas (%)
Crystal 1	6.2	99.4	8.27 (2.06)	16.0
Crystal 2	6	99.2	12.08 (1.97)	9.7
Crystal 3	5.7	98.3	22.14 (2.13)	5
Crystal 4	4.9	99.5	14.1 (2.0)	7.1

The resolution is too low to solve structures, so we will continue to optimize these crystals.