

	Experiment title:
ESRF	Structural analysis of membrane proteins, blue-light receptors and thebiosynthesis machineries of non-ribosomal peptide antibiotics
Beamline:	Date of experiment:

16.2.2008

Date of report: 27-02-08

Experiment number:

MX-659

Shifts: Local contact(s):

from:

Received at ESRF:

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ID23-2

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Report:

Data were collected for a complex of the protein kinase GSK-3 in complex with a novel type of ruthenium-based inhibitors from crystals of ~10 µm maximal dimension using the microfocus beamline ID23-2. Furthermore, X-ray data were collected for two different crystal forms of glycol-nucleic acids in order to examine the sequence-dependency of its secondary structure. One atomic resolution dataset (1.1 Angstrom) was collected for the yeast flocculin Flo-5, another 1.55 Angstrom dataset for the bacillibactin-binding protein FeuA from Bacillus subtilis. We were also able to obtain 1.5 Angstrom data for another archaeal class II photolyase that crystallizes much more readily than the Methanosarcina barkeri enzyme studied before.

17.2.2008

to:

Overall, 150 crystals were screened for diffraction (projects: phytochrome, photolyases, SrfAC, GNA, and others); 16 datasets were collected. We gained additional access (~ 1 shift) to ID29 so that datasets for crystals with larger overall dimensions were collected there in parallel.