	Experiment title: Brefeldin A-ADP ribosylated substrate	**Experiment number**: LS-2183
Beamline: ID14-EH1	**Date of experiment**: from: 12-06-02 to: 12-06-02	**Date of report**: 01-09-2002
Shifts: 3	**Local contact(s)**: Vincent Favre-Nicolin	*Received at ESRF:*

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Report:

Ligand binding experiments on BARS crystals.

The aim of the experiments was to bind a series of substrate-analogues and a peptide to the protein. 4 full data sets have been collected with the following data processing statistics

Space group: P6(4)22

1) Unit cell: a=b=88.9 Å, c=162.9 Å	Resolution: 2.7 Å	Rsym: 7.3%
2) Unit cell: a=b=89.0 Å, c=162.2 Å	Resolution: 2.6 Å	Rsym: 7.9%
3) Unit cell: a=b=89.3 Å, c=162.3 Å	Resolution: 2.5 Å	Rsym: 6.6%
4) Unit cell: a=b=89.3 Å, c=162.7 Å	Resolution: 2.5 Å	Rsym: 6.0%

Experiments, the substrate-analogue binding was not successful. Analysis of the electron density map at 2.5 Å resolution showed that the peptide was bound to the protein. The model of this complex is currently under refinement.

Furthermore, as a test experiment a full native data set has been collected on a new project (Sh3bgrl3, glutaredoxin like protein) with the following data processing statistics

Space group: P2(1)
Unit cell: a=29.6 Å, b=80.4 Å c=34.7 Å ?=94º Resolution: 1.6 Å Rsym: 9.8%