



	Experiment title: BAG - LEBS - 2011-2	Experiment number: MX-1292
Beamline: Id23-1	Date of experiment: from: 06/07/2011 to 07/07/2011	Date of report: <i>Received at ESRF:</i>
Shifts: 3	Local contact(s): Sandor Brockhauser	

Names and affiliations of applicants (* indicates experimentalists):

**Marcel Knossow*, Agata Nawrotek Maalouf*, Rosa Grenha* and Sylvie Nessler*,
LEBS CNRS**

Report:

Tubulin-CPAP complexes (A. Nawrotek, M. Knossow).

During this session, we tested crystals of tubulin in complex with a domain of the centrosomal protein CPAP and two DARPin. Among 40 crystals which were tested initially, only two diffracted to up to 6Å. We collected one dataset. It seems to be P3 space group but we couldn't process this dataset because of its poor quality.

Structural study of PlcR, a quorum sensing effector of *B. cereus* (R. Grenha, S. Nessler)

We collected 13 datasets from crystals of the ternary complex PlcR/peptide/DNA, with different lengths of the oligos. All collected datasets were in a range of resolution 3.2-3.5 Å. The best datasets were selected for structure determination by Molecular Replacement, using the structure of the binary complex PlcR-peptide (PDB code 2QFC). The dataset corresponding to the ternary complex using the smaller oligo was the only one where DNA was well-defined in the electron density map. We have used this information to design the best oligo and obtain a better dataset in the following visit.