

	Experiment title: BAG - CNRS gif sur Yvette -glucosyltransferase	Experiment number: LS 1928
Beamline: ID14-H2	Date of experiment: from: 23/04 to: 24/04	Date of report: 31/08/2001
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Report:

We collected only two data sets.

- 1- One from a -glucosyltransferase (BGT) crystal soaked in a solution containing a BGT inhibitor. BGT is a DNA-modifying enzyme encoded by bacteriophage T4 which catalyses the transfer of glucose from uridine to 5-hydroxymethylcytosine in double-stranded DNA. We are now trying to get the position of the glucose moiety.
- 2- The other from a crystal of HPr kinase/phosphatase (HprK/P) in complex with Hpr. HprK/P is key enzyme in bacterial carbon catabolite repression which catalyses the phosphorylation of Ser46 in HPr, part of the PTS system, and also its dephosphorylation.

Unfortunately, most of our crystals were twinned or diffracted poorly.