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|  | Experiment title: Structure studies on <i>Thermobifida fusca</i> Cel5A. BAG: Uppsala (II) | Experiment number: LS-2187 |
| Beamline: ID14-2 | Date of experiment: from: 020928 to: 020930 | Date of report: 2003-02-12 |
| Shifts: 2 | Local contact(s): Dr. Stéphanie MONACO | <i>Received at ESRF:</i> |
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Report:

Thermobifida fusca is a thermophilic, filamentous soil bacterium that produces a number of extracellular cellulases. The enzyme Cel5A is a heat stable endocellulase from *T. fusca*.

Three data sets were collected from *T. fusca* Cel5A crystals.

1. Apo-enzyme at 1.6 Å
2. Catalytically deficient variant at 2.1 Å
3. Ligand structure of the variant at 1.8 Å resolution