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| Experiment title: Etude structurale des cristaux de L.lactis FPG complexée avec des oligomères contenant une lésion. | | Experiment number: 30.01.111 |
| Beamline: BM30A | Date of experiment: from: 22.06.00 to: 24.06.00 | Date of report: 21.12.00 |
| Shifts: 3 | Local contact(s): M. PIROCCHI | <i>Received at ESRF:</i> |

Names and affiliations of applicants (* indicates experimentalists):

*Laurence Serre

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Report:

1) Collection of three data sets using one crystal of selenio-methionylated YBHB.

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|--------------------------|----------------|----------------|----------------|----------|
| Wavelength | 0.97927 | 0.97947 | 0.97619 | Å |
| Resolution | | | | |
| Limit | 1.66 | 1.66 | 1.66 | Å |
| Average | | | | |
| Redundancy | 4.6 | 4.7 | 4.7 | |
| Data | | | | |
| Completeness | 96.1 | 96.1 | 96.2 | % |
| <I/sigma I> | 12.7 | 13.6 | 14.5 | |
| Rsym | 0.049 | 0.045 | 0.042 | |
| Rano | 0.062 | 0.037 | 0.042 | |

Refinement of the structure:

| | |
|-----------------|--------------|
| R-factor | 0.179 |
| R-free | 0.197 |

RCSB code 1FJJ

2) Collection of one data set using one crystal of YBCL.

| | | |
|--------------------------|----------------|----------|
| Wavelength | 0.97941 | Å |
| Resolution | | |
| Limit | 1.80 | Å |
| Average | | |
| Redundancy | 3.4 | |
| Data | | |
| Completeness | 97.5 | % |
| <I/sigma I> | 16.1 | |
| Rsym | 0.030 | |

| | | |
|-------------------------------------|-----------------|--------------|
| Refinement of the structure: | R-factor | 0.200 |
| | R-free | 0.254 |

RCSB code 1FUX

3) during this run, we have tested some of our FPG-DNA complex crystals. Some of them were diffracting to 2.7 Å..