



Experiment title: A Number of Proteins from Bacteria to Eukarya and from Antarctic to Volcanic Areas	Experiment number: MX-71	
Beamline: ID14-1	Date of experiment: from: 1 FEB. 2003 to: 2 FEB 2003	Date of report: 27/02/03 <i>Received at ESRF:</i>
Shifts:	Local contact(s): Dr. Joanne MCCARTHY	
Names and affiliations of applicants (* indicates experimentalists): Vito Calderone and Stefano Mangani Dept. of Chemistry University of Siena via Aldo Moro, 1 53100 Siena Italy		

Report:

Several datasets have been collected on human MMP12 and rat CutA1.

1) Some high resolution datasets have been collected on human MMP12 complexed with acetohydroxamic acid and nitroimidazole. Here are the data collection statistics of the best one:

Spacegroup: P3₁
Cell: 124.4809 124.4809 72.2647 90.0000 90.0000 120.0000
Resolution: 43-1.5
Unique reflections: 171228
R_{sym}: 0.059 (0.39)
I/σI: 7.6 (1.9)
Completeness: 93.4 (91.2)
Multiplicity: 3.1 (2.2)

2) A couple of datasets have also been collected on rat CutA1 in the presence of copper II. Here are the data collection statistics of the best one:

Spacegroup: P2₁2₁2₁
Cell: 70.4778 88.3088 126.0467 90.0000 90.0000 90.0000
Resolution: 46-2.0
Unique reflections: 53172
R_{sym}: 0.074 (0.43)
I/σI: 5.1 (1.7)
Completeness: 99.9 (99.9)
Multiplicity: 6.2 (4.7)