



	Experiment title: A number of Proteins from Bacteria to Eukarya and from Antarctic to Volcanic Areas	Experiment number: LS-1824
Beamline: ID 29	Date of experiment: from: 8 Feb. 2001 to: 9 Feb. 2001	Date of report: 28/02/2001
Shifts: 3	Local contact(s): Dr. Andrew Thompson	<i>Received at ESRF:</i>
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Report:

One complete data set was collected at the beamline ID29 for one member of the family of the Neutrophil-activating proteins.

The data set was measured at the iron absorption edge, in order to detect the presence of iron in the protein. Data processing for them is summarized in following table.

N	1/d ²	Dmin(A)	Rfac	Rfull	Rcum	Ranom	Nanom	Av_I	SIGMA	I/sigma	sd	Mn(I)/sd	Nmeas	Nref
1	0.0211	6.88	0.048	0.040	0.048	0.038	618	39091.	2853.9	13.7	3195.	24.4	2771	603
2	0.0422	4.87	0.053	0.043	0.052	0.033	1802	50080.	4325.4	11.6	4472.	26.2	9712	1797
3	0.0633	3.97	0.049	0.038	0.050	0.033	2300	93976.	7288.4	12.9	8485.	25.7	12214	2303
4	0.0844	3.44	0.051	0.037	0.050	0.033	2833	91431.	7527.9	12.1	8357.	25.9	15393	2841
5	0.1055	3.08	0.056	0.038	0.052	0.034	3275	68009.	6719.9	10.1	6500.	25.0	17867	3284
6	0.1266	2.81	0.062	0.044	0.054	0.033	3538	43791.	4666.9	9.4	4434.	23.4	19048	3545
7	0.1477	2.60	0.070	0.046	0.055	0.041	3631	33120.	3970.6	8.3	3544.	19.2	15380	3420
8	0.1688	2.43	0.082	0.068	0.056	0.058	2698	24817.	3434.3	7.2	2833.	13.7	5902	1893
9	0.1899	2.29	0.079	0.077	0.056	0.071	1479	20825.	2816.4	7.4	2602.	11.5	2385	987
10	0.2110	2.18	0.084	0.069	0.056	0.078	340	16567.	2334.3	7.1	2247.	9.2	526	247
Overall:			0.056	0.040	0.056	0.037	22514	58434.	5694.0	10.3	5571.	20.7	101198	20920

N	1/resol ²	Dmin	Nmeas	Nref	Ncent	%poss	Cm%poss	Mlplcty	AnomCmpl	AnomFrc	Rmeas	Rmeas0	(Rsym)
1	0.021	6.88	3068	716	0	69.2	69.2	4.3	0.0	60.6	0.062	0.065	0.048
2	0.042	4.87	9974	1834	0	99.2	88.5	5.4	0.0	97.5	0.066	0.068	0.053
3	0.063	3.97	12670	2383	0	97.7	92.7	5.3	0.0	94.3	0.061	0.064	0.049
4	0.084	3.44	15876	2866	0	99.6	95.1	5.5	0.0	98.5	0.063	0.066	0.051
5	0.106	3.08	18438	3288	0	100.0	96.5	5.6	0.0	99.6	0.070	0.071	0.056
6	0.127	2.81	19797	3548	0	100.0	97.3	5.6	0.0	99.7	0.076	0.076	0.062
7	0.148	2.60	17428	3907	0	99.6	97.8	4.5	0.0	92.9	0.087	0.086	0.070
8	0.169	2.43	9739	3582	0	85.8	95.6	2.7	0.0	75.2	0.109	0.100	0.082
9	0.190	2.29	5209	2454	0	54.6	89.0	2.1	0.0	60.1	0.109	0.106	0.079
10	0.211	2.18	1456	846	0	17.9	78.6	1.7	0.0	39.8	0.118	0.115	0.084
Overall			113655	25424	0	78.6	78.6	4.5	0.0	87.2	0.070	0.072	0.056

At present (28/02/01) further shifts on the ID 29 beamline are requested to continue this project