
BEAM-LINE ID14-1 5-October 01

Project/Protein Name: hsNF1/Sec14
Principal Investigator: Scheffzek
Experimenters: A. Oubrie
Unit Cell Dimensions (Å): 117; 117; 98; 90; 90; 120
Space Group: P622
Status of Project: Preparing for MAD

	Native
Wavelength	0.934
Observations	93015
Unique	14140
Resolution	3
Rsym	8.7
Completeness	97
I/σ	2.1
Multiplicity	6.5

Project/Protein Name: Cytochrome *cbb*₃ oxidase
Principal Investigator: Scheffzek
Experimenters: Oubrie, Gemeinhardt
Unit Cell Dimensions (Å): 101.9, 101.9, 706.8, 90, 90, 90
Space Group: *P* 6_{1/5} 2 2
Status of Project: Native Data set collected to 4.2 Å

	Native
Wavelength	0.934
Resolution	4.2
Rsym	13 (33.9)
Completeness	87.3 (91.0)
Multiplicity	5.1

Project/Protein Name: Importin alpha – substrate complex
Principal Investigator: Conti
Experimenters: Fernandez, Conti
Unit Cell Dimensions (Å): 121 135 141 90 90 90
Space Group: C2221
Status of Project: new xtal form, very low occupancy of ligand, improvement of conditions

	Native
Wavelength	0.934
Observations	79435
Unique	22761
Resolution	3
Rsym	5.2 (31)
Completeness	96.1 (96.3)
I/ σ	15
Multiplicity	4.2

Project/Protein Name: Exportin complex
 Principal Investigator: Conti
 Experimenters: Fukuhara, Conti
 Unit Cell Dimensions (Å): 142, 142, 225, 90, 90, 90
 Space Group: P422
 Status of Project: crystal improvement

	Native
Wavelength	0.934
Observations	27594
Unique	3300
Resolution	8
Rsym	9.2 (30)
Completeness	99.9 (100)
I/ σ	7.8
Multiplicity	8

BEAM-LINE: ID29 5-6 Nov 01

Project/Protein Name: PA Sm1 + RNA
 Principal Investigator: Suck
 Experimenters: Thore
 Unit Cell Dimensions (Å): 68, 68, 85, 105, 109, 100
 Space Group: P1
 Status of Project: structure solved, paper submitted

	Ligand1	Ligand2
Wavelength	0.915	0.915
Observations	89628	279320
Unique	37042	74641
Resolution	2.6	2.1
Rsym	5.9	6.1
Completeness	90	96

I/□	29.1	35
Multiplicity	2.4	3.7

Project/Protein Name: NF1/Sec14
Principal Investigator: Scheffzek
Experimenters: D'angelo
Unit Cell Dimensions (Å): 182 182 171 90 90 120
Space Group: P622
Status of Project: crystal form abandoned (see below)

	Native
Wavelength	0.915
Observations	41749
Unique	5857
Resolution	4.5
Rsym	8.8
Completeness	98
I/□	2.1
Multiplicity	6.9

Project/Protein Name: NF1/Sec14
Principal Investigator: Scheffzek
Experimenters: D'angelo
Unit Cell Dimensions (Å): 120 120 100 90 90 120
Space Group: P622
Status of Project: crystal form to proceed on – search for phases

	Native
Wavelength	0.915
Observations	43330
Unique	7050
Resolution	3
Rsym	9.1
Completeness	95.5
I/□	2
Multiplicity	6.2

Project/Protein Name: NF1/Sec14
Principal Investigator: Scheffzek
Experimenters: D'angelo
Unit Cell Dimensions (Å): 116 116 246 90 90 120
Space Group: P6
Status of Project: data of co-crystals with detergent/ligand – search for phases

	Additive/Ligand
Wavelength	P6
Observations	29348
Unique	2394
Resolution	3
Rsym	4.9
Completeness	65
I/ σ	2.1
Multiplicity	5.7

BEAM-LINE: ID14-EH1 7-8 Dec 01

Project/Protein Name: TAP
Principal Investigator: Conti
Experimenters: Conti, Fribourg
Unit Cell Dimensions (Å): 50 84 85 90 90 90
Space Group: P222
Status of Project: partial data set collected for new crystals of binary complex

	Native
Wavelength	0.934
Unique	3667
Resolution	3.6
Rsym	8.3
Completeness	78.6
I/ σ	3.5

Project/Protein Name: Hjc resolvase from *Archeoglobus fulgidus*
Principal Investigator: Suck
Experimenters: Biertümpfel, Sauter
Unit Cell Dimensions (Å): a = b = 37.1, c = 270.2
Space Group: P321
Status of Project: MR stage, new data (higher resolution & completeness) might be needed

	Native
Wavelength	0.934
Observations	30688
Unique	5901
Resolution	2.7

Rsym	5.4
Completeness	88
I/σ	21.4
Multiplicity	5.2

Project/Protein Name: NF1/HsSec14

Principal Investigator: Scheffzek

Experimenters: D'angelo

Unit Cell Dimensions (Å): 120 120 100 90 90 120

Space Group: P622

Status of Project: problems of non isomorphism even between natives

	Uranyl soak	MethylHg soak	Native 3
Wavelength	0.934	0.934	0.934
Observations	56320	93420	69034
Unique	5992	8451	8428
Resolution	3.5	3.6	2.9
Rsym	8.7	9.8	5
Completeness	100	100	99.8
I/σ	2.0	1.9	2.2
Multiplicity	9,4	11	8

BEAM-LINE: ID14-EH2 8-9 February 02 3 shifts

Project/Protein Name: AP Sm1

Principal Investigator: Suck

Experimenters: Biertumpfel, Basquin

Unit Cell Dimensions (Å): 43.6, 43.6, 20, 90, 90, 120

Space Group: P3

Status of Project: twinning problems

	Native
Wavelength	0.933
Observations	11995
Unique	3456
Resolution	2.1
Rsym	4.1
Completeness	99.3
I/σ	13.1
Multiplicity	3.5

Project/Protein Name: Hfq
Principal Investigator: Suck
Experimenters: Biertumpfel, Basquin
Unit Cell Dimensions (Å): 61.5, 61.5, 28, 90, 90, 120
Space Group: P6
Status of Project: more phases needed, possible twinning

	Native
Wavelength	0.933
Observations	20177
Unique	2489
Resolution	2.4
Rsym	6.6
Completeness	100
I/σ	22.6
Multiplicity	8.1

Project/Protein Name: CfoF1
Principal Investigator: Boettcher
Experimenters: Fethiere
Unit Cell Dimensions (Å): 232, 232, 284, 90, 90, 120
Space Group: R3
Status of Project:

	Native
Wavelength	0.933
Observations	42878
Unique	12692
Resolution	6.2
Rsym	7.1 (29.3)
Completeness	97.9 (97)
I/σ	9.5 (3.8)
Multiplicity	3.4

Project/Protein Name: HprK-apo
Principal Investigator: Scheffzek
Experimenters: Marquez
Unit Cell Dimensions (Å): 159, 159, 78, 90, 90, 120
Space Group: P6(3)
Status of Project: under refinement, screening for higher resolution

	Native
Wavelength	0.933
Observations	35201
Unique	11084
Resolution	3.8
Rsym	7.3
Completeness	97.4
I/ σ	13.2
Multiplicity	3.2