

This PDB release includes 30 new atomic coordinate entries (see Table 4), bringing the total number of coordinate entries to 622. The size of the atomic coordinate and bibliographic entry database (DATAPRTP) is now 139 Mbytes. A new tape item which contains NMR Experimental Data Entries (NMRRS1TP) is included in this release. Table 7 lists the current contents of this tape. Please contact Brookhaven directly before ordering a copy of this tape. The PDB has not yet adopted a standard format for NMR experimental data. We plan to distribute this information in the format provided by the depositors.

We are pleased to announce that Joseph Christian has joined the PDB staff as a Chemistry Associate. Joe will be assisting us in our data processing.

Starting with the current release, all IRIS/SUN tapes will be supplied in compressed *tar* format. Instructions for loading PDB files into user systems will be provided with each tape.

A number of users have requested 1/4" cartridge tapes that can be read on the new IBM RISC computers as well as the Evans and Sutherland (ESV) workstations. Initial tests done at a number of users' sites indicate that it is possible to read PDB IRIS/SUN 150 Mbyte *tar* tapes on these machines.

As part of our continuing effort to upgrade the PDB format, we intend to extend the character set used in our entries to include the entire printable ASCII set. To date, for reasons of portability, we have been using a limited character set. We expect that the upcoming April PDB release will incorporate files employing the extended character set.

Further extensions of the PDB format will be forthcoming. Please send any comments and suggestions to Enrique Abola.

*File Server Available:*

The PDB now has an e-mail file server available for your use. This server will be providing PDB general information, documentation and other specialized material. To receive more information, send a message to [FILESERV@PB1.CHM.BNL.GOV](mailto:FILESERV@PB1.CHM.BNL.GOV) and include the following text:

send info your\_e-mail\_address

A user named "jones" at machine "demo.div.inst.edu" would send an e-mail message to [FILESERV@PB1.CHM.BNL.GOV](mailto:FILESERV@PB1.CHM.BNL.GOV) with the following text included:

send info jones@demo.div.inst.edu

*Anonymous FTP available:*

The PDB now has an anonymous ftp account available on the system [IRISC2.CHM.BNL.GOV](ftp://IRISC2.CHM.BNL.GOV)(130.199.129.8). It is possible to transfer files to and from this system using "anonymous" as the username and your real username as password. PDB general information and documentation will be available for downloading. You can also upload files you may wish to send to the PDB.

Anyone experiencing problems or having questions related to the above network services is requested to send an e-mail message to [SKORA@PB1.CHM.BNL.GOV](mailto:SKORA@PB1.CHM.BNL.GOV).

Ten affiliated centers now offer DATAPRTP for distribution. These centers, listed immediately below, are members of the Protein Data Bank Service Association (PDBSA). Centers designated with an asterisk distribute DATAPRTP on magnetic media; those without an asterisk are on-line DATAPRTP distributors.

**CAN/SND, Canadian Scientific Numeric Data Base Service , Ottawa**

contact Roger Gough telephone 613-993-3294 e-mail CANSND@NRCVM01

**CAOS/CAMM, Dutch National Facility for Computer-Assisted Chemistry, Nijmegen**

contact Jan Noordik telephone 0031-80-653386 e-mail NOORDIK@CAOS.CAOS.KUN.NL

**CINECA, NE Italy Interuniversity Computing Center, Caselecchio di Reno (BO)**

contact Salvatore Rago telephone 0039-51-598411 e-mail ARGO@ICINECA

**EMBL, European Molecular Biology Laboratory, Heidelberg, FRG**

contact Peter Rice telephone 0049-6221-387-247 e-mail RICE@EMBL

**\*JAICI, Japan Association for International Chemical Information, Tokyo**

contact Hideaki Chihara telephone 0081-3-816-3389

**NCSA, National Center for Supercomputing Applications, University of Illinois at Urbana-Champaign**

contact Joseph Golab telephone 217-244-2756 e-mail JGOLAB@NCSA.UIUC.EDU

**\*Osaka University, Institute for Protein Research, Osaka, Japan**

contact Yukiteru Katsube telephone 0081-6-877-5111 ext 3912

**Pittsburgh Supercomputing Center**

contact Hugh Nicholas telephone 412-268-4960 e-mail NICHOLAS@CPWPSCA

**Prophet, BBN Systems and Technologies Corp., Cambridge MA**

contact Wayne Rindone telephone 617-873-2669 e-mail PROPHET-HELP@BBN.COM

**SEQNET , Daresbury Laboratory, Warrington, UK**

contact User Interface Group telephone 0044-925-603351 e-mail UIG@DARESURY.AC.UK

**PDB Brookhaven Staff**

<b>Mail</b>	Protein Data Bank Chemistry Department Brookhaven National Laboratory Upton, NY 11973 USA	
<b>Name</b>	<b>E-Mail</b>	<b>Phone</b>
Inquiries & Orders	PDB@BNLCHM.BITNET	516-282-3629
Enrique E. Abola	ABOLA@PB3.CHM.BNL.GOV	516-282-4383
Frances C. Bernstein	BERNSTEIN@BNLCHM.BITNET	516-282-4382
Joseph J. Christian	CHRIS@BNLCHM.BITNET	516-282-3629
Betty R. Deroski	DEROSKI@BNLCHM.BITNET	516-282-4381
Judy A. Callaway	CALLAWAY@BNLCHM.BITNET	516-282-4383
Pamela A. Esposito		516-282-3629
Arthur Forman	FORMAN@BNLCHM.BITNET	516-282-4378
Thomas F. Koetzle	KOETZLE@BNLCHM.BITNET	516-282-4384
John E. McCarthy	MCCARTHY@BNLCHM.BITNET	516-282-4379
John G. Skora	SKORA@PB1.CHM.BNL.GOV	516-282-4379

TABLE 1. PROTEIN DATA BANK, INFORMATION AVAILABLE ON MAGNETIC TAPE

Table with columns: CODE, ITEM, and 15-JAN-1991. Lists various protein entries and their availability on magnetic tape.

TABLE 2. PROTEIN DATA BANK, INFORMATION AVAILABLE ON MICROFICHE

Table with columns: CODE, ITEM, and 15-JAN-1991. Lists various protein entries and their availability on microfiche.

TABLE 3. PROTEIN DATA BANK, COMPUTER PROGRAMS AND MISCELLANEOUS FILES

Table with columns: NAME, PURPOSE, AUTHOR(S), REV DATE, and SUPPORTED. Lists computer programs and miscellaneous files.

\* NEW OR REPLACEMENT ENTRY SINCE OCT-1990 NEWSLETTER

SUPPORTED PROGRAMS ARE THOSE FOR WHICH STAFF OF THE PROTEIN DATA BANK WILL PROVIDE CORRECTIONS FOR DEMONSTRATED ERRORS.

TABLE 4. PROTEIN DATA BANK, ATOMIC COORDINATE ENTRIES (AVAILABLE)

Table with columns: IDENT CODE, MOLECULE, DEPOSITOR(S), DATE/STATUS, and 15-JAN-1991. Lists atomic coordinate entries.

Table with columns: IDENT CODE, MOLECULE, DEPOSITOR(S), DATE/STATUS, and 15-JAN-1991. Lists atomic coordinate entries (continued).

68NA	DNA (B, 9-BR-CGCGAATCGCG, SYNTH)/NETROPSIN	KOPKA, R. DICKERSON	8/84	21NS	INSULIN (BOVINE, 2-ZINC) DES-PHE B1	C. REYNOLDS, G. DODSON	5/82
78NA	DNA (B, CGCGAATCGCG, ANISO TEMP FACTOR)	HOLBROOK, DICKERSON, KIM	1/85	31NS	INSULIN (PORCINE, KRAX+NEUTRON)	A. MLODANER, H. SAVAGE	10/88
88NA	DNA (CGCGAATCGCG, SYNTHETIC) HORCHST 33258	PJURA, GREEKOWIAK, DICKERSON	8/86	41NS	INSULIN (PORCINE, 2-ZINC)	G. DODSON ET AL.	7/89 R
12NA	DNA (S (PRIME), CGCG, HIGH-SALT, SYNTHETIC)	H. DREH, R. DICKERSON	1/81	111B	INTERLEUKIN 1B (HUMAN)	F. FINSEL, WATENPAUGH, EINSFARL12/89	
1D4A	DNA (BR-CG-BR-CG-BR-CG, SYNTHETIC, 18 DEG C)	D. MORAS ET AL.	12/86	111B	INTERLEUKIN 1B (HUMAN)	PIRIESTLE, MACHEN, GRUETTER	1/90
1D5A	DNA (BR-CG-BR-CG-BR-CG, SYNTHETIC, 37 DEG C)	D. MORAS ET AL.	12/86	111B	INTERLEUKIN 1B (HUMAN)	VERRA-PANDIAN, POULOS ET AL.	3/90
1D6A	DNA (CGCGAATCGCG, SYNTHETIC)	MCALL, BROWN, HUNTER, KENNEDY	5/87	111B	INTERLEUKIN 8 (NMR, AVERAGED STRUCTURE)	G. CLORE, A. GRONENBORN	3/90
1D8A	DNA (CGTACGATCG, SYNTHETIC)	G. SCHULZ, A. KARLJUS	5/87	21D6	AP0-L-LDR (BACILLUS STEAROTHERMOPHILUS)	C. GLORE, A. GRONENBORN	3/90
2D1D	DNA (CGCGAATCGCG)-DISTAMYCIN COMPLEX	M. COLL, A. RICH	8/88	31CD	15CITRATATE DEHYDROGENASE	HURLEY, KOSHLAND, STROUD	12/89
1D8E	DNA (CGCGAATCGCG)-HORCHST 33258 COMPLEX	A. WANG ET AL.	2/88	41CD	15CITRATATE DEHYDROGENASE (PHOSPHORYLATED)	BURLEY, ROSSLAND, STROUD	12/89
3D8B	DNA (CGCGAATCGCG)	G. PRIVE, R. DICKERSON	3/88	2FKA	KALLIKREIN A (PORCINE)	M. BODE, S. CZEHN	5/84
1D16	DNA (CGCGGCTTTCCGCGCG)	CHATTOPADHYAYA, DICKERSON	4/88	2KAI	KALLIKREIN A (PORCINE)/PTI (BOVINE)	M. BODE, S. CZEHN	5/84
1DGG	DNA (CGCGCG)	C. FREDERICK, A. WANG ET AL.	8/88	1NGA	KDPG ALDOLASE	A. TULINSKY	8/78 A
2DCC	DNA (CGCGCG)/SPERMINE	A. WANG, A. RICH ET AL.	8/88	1KES	KERATAN SULFATE	S. ARNOTT	5/78
4D8B	DNA (CGCGAATCGCG)	C. FREDERICK, A. RICH ET AL.	8/88	1ALC	ALPHA-B-LACTALBUMIN (BABOON)	ACHARYA, STUART, PHILLIPS	8/89
1D8E	DNA (CGCGAATCGCG)/NETROPSIN	M. COLL ET AL.	9/88	2BLM	BETA-LACTAMASE (B. LICHENIFORMIS)	F. MOEWS, J. KNOX, O. DIDEBERG	2/90 A
1B31	DNA (CGCGCGCG)	U. REISEMANN	8/89	3BLM	BETA-LACTAMASE (S. AUDREUS)	O. REISEBERG	12/90 R
1D8S	DNA (GTCATACG)/SPERMINE	M. SUNDARALINGAM	8/89	11D8	AP0-L-LDR (BACILLUS STEAROTHERMOPHILUS)	K. PICTER, M. ROSSMANN	3/89
1D89	DNA (GTCATATATCG)	C. YOCUM, R. DICKERSON	4/89	21D8	L-LDH/NAD/FRUCTOSE-1, 6-BISPHOSPHATE	K. PICTER, M. ROSSMANN	3/89
5ANA	DNA (GTCATATAC)	F. TAKUSAGAMA	8/89	31D8	LACTATE DEHYDROGENASE/NAD/PYRUVATE (DOGMY)	M. ROSSMANN	11/74
1D8F	DNA (CGCGCG)	COLL, WANG, RICH ET AL.	12/88	11D8	LACTATE DEHYDROGENASE/NAD/OXAMATE (DOGMY)	J. GRIFFITH, M. ROSSMANN	11/87
1D10	DNA (CGATCG)/DAUNOMYCIN	C. FREDERICK ET AL.	10/89	61D8	AP0-M4-LACTATE DEHYDROGENASE (DOGMY)	C. ABAD-ZAPATERO, M. ROSSMANN	11/87
1D11	DNA (CGATCG)/DAUNOMYCIN	WANG, UGHETTO, QUIGLEY, RICH	10/89	81D8	AP0-M4-LACTATE DEHYDROGENASE/CITRATE	C. ABAD-ZAPATERO, M. ROSSMANN	1/88
1D12	DNA (CGATCG)/ADRIAMYCIN	C. FREDERICK ET AL.	10/89	11LC	LACTATE DEHYDROGENASE (L. CASEI)	M. BUEHNER, H. RECHT, R. HENSEL	11/88
1D13	DNA (ACCGCCCGGT)	C. FREDERICK ET AL.	10/89	21DX	LACTATE DEHYDROGENASE (MOUSE TESTES)	M. ROSSMANN	11/87
1D14	DNA (CGATCG)/11-DEOXYDAUNOMYCIN	L. WILLIAMS ET AL.	10/89	51D8	LACTATE DEHYDROGENASE/S-LAC/NAD (PIG)	U. GRAU, M. ROSSMANN	10/80
1D21	DNA POLYMERASE I (KLEINOW FRAGMENT)	L. REESE, D. OLLIS, T. STEITS	9/87 A	21TN	PEA LECTIN	SUDDATH, PHILLIPS, EINSFAR	6/90
2C85	FLAVOXYCHROME B2 (YEAST)	G. S. BRADY, A. MCPHERSON	3/79	21E1	LEGHEMOGLOBIN (ACETATE MET)	VAINSHTEIN, HARUTUNYAN	4/82
1R1E	ECO RI ENDONUCLEASE/CGCGAATCGCG	J. ROSENBERG	9/90	21E1	LEGHEMOGLOBIN (AQUO MET)	VAINSHTEIN, HARUTUNYAN	4/82
1N8E	ELASTASE (HUMAN NEUTROPHIL)	M. NAVIA ET AL.	4/89	11E2	LEGHEMOGLOBIN (AQUO MET)	VAINSHTEIN, HARUTUNYAN	4/82
1E1T	ELASTASE (PORCINE, TOSYL)	R. WATSON	5/76	21E2	LEGHEMOGLOBIN (AQUO MET)	VAINSHTEIN, HARUTUNYAN	4/82
2E1T	ELASTASE-TFAP COMPLEX (PORCINE)	L. SIEKER, D. HUGHES	3/86	11E3	LEGHEMOGLOBIN (CYANO MET)	VAINSHTEIN, HARUTUNYAN	4/82
3E1T	ELASTASE (PORCINE)	E. MEYER ET AL.	9/87	21E3	LEGHEMOGLOBIN (CYANO MET)	VAINSHTEIN, HARUTUNYAN	4/82
1E1M	ELONGATION FACTOR TU (TRYPSIN-MODIFIED)	F. JURNAK	5/87 A	11E4	LEGHEMOGLOBIN (DEOXY)	VAINSHTEIN, HARUTUNYAN	4/82
1E1U	ELONGATION FACTOR TU (DOMAIN I)/GDP COMPLXT	L. LA COUR ET AL.	1/88	21E4	LEGHEMOGLOBIN (DEOXY)	VAINSHTEIN, HARUTUNYAN	4/82
2E1L	ENOLASE (YEAST)	L. LEBIODA, B. STEC	3/89 AR	11E5	LEGHEMOGLOBIN (FLUORO MET)	VAINSHTEIN, HARUTUNYAN	4/82
5E1X	ERABUTOXIN A (SEA SNAKE)	P. CORFIELD, T. -J. LEW, B. LOW	12/89	21E5	LEGHEMOGLOBIN (FLUORO MET)	VAINSHTEIN, HARUTUNYAN	4/82
3E1X	ERABUTOXIN B (SEA SNAKE)	B. LOW ET AL.	1/88	11E6	LEGHEMOGLOBIN (NICOTINATE MET)	VAINSHTEIN, HARUTUNYAN	4/82
1E1D	ERYTHROCUORIN (REDUCED, DEOXY)	M. STEIGEMANN, E. WEBER	3/79	11E6	LEGHEMOGLOBIN (NICOTINATE MET)	VAINSHTEIN, HARUTUNYAN	4/82
1E1C	ERYTHROCUORIN (CARBONMONOXO)	W. STEIGEMANN, E. WEBER	3/79	11E7	LEGHEMOGLOBIN (FERRO) (NITROSOBENZENE)	VAINSHTEIN, HARUTUNYAN	4/82
1E1A	ERYTHROCUORIN (AQUO, MET)	M. STEIGEMANN, E. WEBER	3/79	21E7	LEGHEMOGLOBIN (FERRO) (NITROSOBENZENE)	VAINSHTEIN, HARUTUNYAN	4/82
1E1N	ERYTHROCUORIN (CYANO, MET)	M. STEIGEMANN, E. WEBER	3/79	21E8	LEUCINE BINDING PROTEIN (E. COLI)	F. QUICCO ET AL.	4/89
4F1D	FERRODOXIN (AZOTOBACTER VINELANDII)	C. D. STOUT	6/88	21E9	LEU-ILE-VAL BINDING PROTEIN (E. COLI)	J. SACK, M. SAPER, F. QUICCO	4/89
1F2D	FERRODOXIN MUTANT (C20A)	C. D. STOUT	12/88	21E8	LYSOZYME (BACTERIOPHAGE T4)	L. WEAVER, B. MATTHEWS	8/86
2F2D	FERRODOXIN MUTANT (C24A)	C. D. STOUT	8/90	31E8	LYSOZYME (T4)	B. MATTHEWS ET AL.	5/89
1F3B	FERRODOXIN (B. THERMOPROTEOLYTICUS)	FUKUYAMA, TSURIHARA, KATSUBE	6/88	1101	LYSOZYME (T4) MUTANT (T155A, T1571)	B. MATTHEWS ET AL.	2/88
1F3X	FERRODOXIN (PEPTOCOCCUS AEROGENS)	E. ADMAN, J. SIEKER, L. JENSEN	8/76	1102	LYSOZYME (T4) MUTANT (T157A)	B. MATTHEWS ET AL.	2/88
3F3C	FERRODOXIN (SPIRULINA PLATENSIS)	TSURIHARA, KATSUBE, KAKUDO	12/81	1103	LYSOZYME (T4) MUTANT (T157C)	B. MATTHEWS ET AL.	2/88
2F3B	FERRODOXIN (AZOTOBACTER VINELANDII)	F. S. BRADY, W. -K. XIA	1/90	1104	LYSOZYME (T4) MUTANT (T157D)	B. MATTHEWS ET AL.	2/88
3F3N	FLAVODOXIN (CLOSTRIDIUM MP, OXIDIZED)	M. LUDWIG	12/77	1105	LYSOZYME (T4) MUTANT (T157D)	B. MATTHEWS ET AL.	2/88
4F3N	FLAVODOXIN (CLOSTRIDIUM MP, SEMIQUINONE)	M. LUDWIG	12/77	1106	LYSOZYME (T4) MUTANT (T157E)	B. MATTHEWS ET AL.	2/88
1F31	FLAVODOXIN (D. VULGARIS, UNREFINED)	WATENPAUGH, SIEKER, JENSEN	10/84	1107	LYSOZYME (T4) MUTANT (T157F)	B. MATTHEWS ET AL.	2/88
1G1P	GALACTOSE-BINDING PROTEIN	S. MOMBRAY, G. PETSKO	8/83 A	1108	LYSOZYME (T4) MUTANT (T157G)	B. MATTHEWS ET AL.	2/88
2G1P	D-GALACTOSE-BINDING PROTEIN (E. COLI)	N. VYAS, M. VYAS, F. QUICCO	2/89	1109	LYSOZYME (T4) MUTANT (T157H)	B. MATTHEWS ET AL.	2/88
3G1P	CATABOLITE GENE ACTIVATOR PROTEIN/CAMP	I. WEBER, T. STEITS	4/87	1110	LYSOZYME (T4) MUTANT (T157I)	B. MATTHEWS ET AL.	2/88
1G1N	GLUCAGON	T. BLUNDELL	10/77	1111	LYSOZYME (T4) MUTANT (T157L)	B. MATTHEWS ET AL.	2/88
1G1I	GLUCOSE-6-PHOSPHATE ISOMERASE	R. MUIREHEAD	7/77 A	1112	LYSOZYME (T4) MUTANT (T157M)	B. MATTHEWS ET AL.	2/88
2G1S	GLUTAMINE SYNTHETASE (S. TYPHIMURIUM)	D. EISENBERG ET AL.	5/79	1113	LYSOZYME (T4) MUTANT (T157R)	B. MATTHEWS ET AL.	2/88
1G1P	GLUTATHIONE REDUCTASE (BOVINE)	O. EPP, R. LADNER	6/85	1114	LYSOZYME (T4) MUTANT (T157S)	B. MATTHEWS ET AL.	2/88
3G1S	GLUTATHIONE REDUCTASE (OXIDIZED, HUMAN)	G. SCHULZ, A. KARLJUS	3/79	1115	LYSOZYME (T4) MUTANT (T157T)	B. MATTHEWS ET AL.	2/88
1G1O	HOL0-GPD (BACILLUS STEAROTHERMOPHILUS)	SKARYNSKI, MOODY, MONACOTT	6/87	1111	LYSOZYME (T4) MUTANT (G156D)	B. MATTHEWS ET AL.	2/88
2G1D	AP0-GPD (BACILLUS STEAROTHERMOPHILUS)	T. SKARYNSKI, A. MONACOTT	6/89	1117	LYSOZYME (T4) MUTANT (I3V)	B. MATTHEWS ET AL.	5/89
1G1D	GLYCERALDEHYDE-3-P-DEHYDROGENASE (LOBSTR)	M. ROSSMANN	7/75	1118	LYSOZYME (T4) MUTANT (I3Y)	B. MATTHEWS ET AL.	5/89
4G1D	AP0-GLYCERALDEHYDE-3-P-DEHYDROGENASE (LBSTR)	GRIFFITH, SONG, ROSSMANN	1/88	1119	LYSOZYME (T4) MUTANT (S38D)	B. MATTHEWS ET AL.	5/89
3G1D	GLYCERALDEHYDE-3-P-DEHYDROGENASE (HUMAN)	R. WATSON, J. CAMPBELL	6/83	1120	LYSOZYME (T4) MUTANT (N144D)	B. MATTHEWS ET AL.	5/89
1G1X	GLYCOLATE OXIDASE (SPINACH)	Y. LINDQVIST	6/89	1121	LYSOZYME (T4) MUTANT (N55G)	B. MATTHEWS ET AL.	5/89
1G1A	*GRAMICIDIN A (BACILLUS BREVIS)	D. LANGS	8/88	1122	LYSOZYME (T4) MUTANT (K124G)	B. MATTHEWS ET AL.	5/89
1B3C	HEAT-SHOCK COGNATE PROTEIN (ATPASE FRAGM)	D. MCKAY ET AL.	9/90	1123	LYSOZYME (T4) MUTANT (G77A)	B. MATTHEWS ET AL.	5/89
2B3C	*HEMAGGLUTININ MUTANT (I146 (A)D)	D. WILEY ET AL.	9/89 R	1124	LYSOZYME (T4) MUTANT (A82P)	B. MATTHEWS ET AL.	5/89
3B3C	*HEMAGGLUTININ MUTANT (L226 (A)Q)	D. WILEY ET AL.	9/89	1125	LYSOZYME (T4) MUTANT (P86A)	B. MATTHEWS ET AL.	5/89
4B3C	*HEMAGGLUTININ MUTANT (L26 (A)Q)/SIALIC ACID	D. WILEY ET AL.	9/89	1126	LYSOZYME (T4) MUTANT (P86C)	B. MATTHEWS ET AL.	5/89
5B3C	*HEMAGGLUTININ MUTANT (D112 (B)G)/SIALIC ACID	D. WILEY ET AL.	9/89	1127	LYSOZYME (T4) MUTANT (P86D)	B. MATTHEWS ET AL.	5/89
1B3B	HEMERYTHRIN B	M. HENDRICKSON	6/76 A	1128	LYSOZYME (T4) MUTANT (P86E)	B. MATTHEWS ET AL.	5/89
1B3Q	HEMERYTHRIN (MET)	STENKAMP, SIEKER, JENSEN	2/83	1129	LYSOZYME (T4) MUTANT (P86F)	B. MATTHEWS ET AL.	5/89
1B3E	HEMERYTHRIN (ASIDO, MET)	STENKAMP, SIEKER, JENSEN	2/83	1130	LYSOZYME (T4) MUTANT (P86L)	B. MATTHEWS ET AL.	5/89
1B33	HEMERYTHRIN (ASIDO, MET, SIPHONOSOMA)	SMITH, HENDRICKSON, ADDISON	5/83 A	1131	LYSOZYME (T4) MUTANT (P86R)	B. MATTHEWS ET AL.	5/89
1B3S	HEMAGLOBIN (DEER, SICKLE CELL)	E. AMMA, R. GIRLING	10/79	1132	LYSOZYME (T4) MUTANT (P86S)	B. MATTHEWS ET AL.	5/89
2B3B	HEMAGLOBIN (HORSE, AQUO MET)	R. LADNER, HEIDNER, PERUTS	2/77	1133	LYSOZYME (T4) MUTANT (V131A)	B. MATTHEWS ET AL.	5/89
2B3E	HEMAGLOBIN (HORSE, DEOXY)	M. PERUTS, G. FERMI	11/73	1134	LYSOZYME (T4) MUTANT (R96B)	B. MATTHEWS ET AL.	5/89
2B3B	HEMAGLOBIN (HUMAN, DEOXY)	G. FERMI, M. PERUTS	3/84	1135	LYSOZYME (T4) MUTANT (C54T, C97A, I9C, I164C)	B. MATTHEWS ET AL.	10/89
3B3B	HEMAGLOBIN (HUMAN, DEOXY, SYMMETRY AVRGD)	G. FERMI, M. PERUTS	3/84	11YD	LYSOZYME (T4 EXPRESSED IN E. COLI)	R. ROSE	1/89
4B3B	HEMAGLOBIN (HUMAN, DEOXY, SYMMETRY STRAINED)	G. FERMI, M. PERUTS	3/84	11YD	LYSOZYME (T4 EXPRESSED IN E. COLI)	R. DIAMOND, D. PHILLIPS	2/75
1B3C	HEMAGLOBIN (HUMAN, CARBONMONOXO)	J. BALDWIN	8/79	21Y5	LYSOZYME (HEN EGG-WHITE, SET R5D)	R. DIAMOND, D. PHILLIPS	2/75
2B3C	HEMAGLOBIN (HUMAN, CARBONMONOXO, NRG REFND)	J. BALDWIN	8/79	31Y5	LYSOZYME (HEN EGG-WHITE, SET R56A)	R. DIAMOND, D. PHILLIPS	2/75
1B3O	HEMAGLOBIN (HUMAN, OXY)	B. SHANNAN	6/83	41Y5	LYSOZYME (HEN EGG-WHITE, SET R59A)	R. DIAMOND, D. PHILLIPS	2/75
1B3E	*HEMAGLOBIN (HUMAN, T STATE, PARTIALLY OXY)	D. WALLER, R. LIDDINGTON	1/90	51Y5	LYSOZYME (HEN EGG-WHITE, SET R512A)	R. DIAMOND, D. PHILLIPS	2/75
1F3E	HEMAGLOBIN (HUMAN, FETAL, DEOXY)	J. FRIER	8/76	61Y5	LYSOZYME (HEN EGG-WHITE, SET R516)	R. DIAMOND, D. PHILLIPS	2/75
1B3S	HEMAGLOBIN S (HUMAN, SICKLE CELL)	E. PADLAN, M. LOVE	6/82	71Y5	LYSOZYME (HEN EGG-WHITE, TRICLINIC)	A. YONATH	5/77
1C0E	HEMAGLOBIN (ALPHA-FERROUS, BETA-COBALTOUS)	B. LUIST	1/89	11E1	LYSOZYME (HEN EGG-WHITE, TRICLINIC)	HODSDON, BROWN, SIEKER, JENSEN	4/85
21E2	HEMAGLOBIN (CYANO, MET, SEA LAMPREY)	BONHATTO, HENDRICKSON, LOVE	8/85	21E1	LYSOZYME (TRICLINIC)	RAMANANDAM, SIEKER, JENSEN	9/89
31E2	HEMAGLOBIN (YEAST) FORM B11	S. HENRY, ANDERSON, STENKAMP	3/78	31E2	LYSOZYME (HEN EGG-WHITE, INACTIVATED)	R. DIAMOND, D. PHILLIPS	2/75
1B3G	HEXYNINASE B - GLUCUCOSE COMPLEX (YEAST)	W. BENNETT JR., T. STEITS	12/80	11Y8	LYSOZYME (HEN EGG-WHITE, MONOCLINIC)	J. KELLY, M. JAMES	12/79
1B1P	HIGH POTENTIAL IRON PROTEIN	J. KRAUT	4/75	11E8	LYSOZYME (HEN EGG-WHITE, MONOCLINIC)	ARTYMIUK, BLAKE, RICE, WILSON	6/81 A
5B1R	HIRUDIN (NMR, MIN AVERAGED STRUCTURE)	CLORE, GRONENBORN ET AL.	1/90	21E8	LYSOZYME (HEN EGG-WHITE, ORTHORHOMBIC)	ARTYMIUK, BLAKE, RICE, WILSON	6/81 A
2B1R	HIRUDIN (NMR, 32 STRUCTURES)	CLORE, GRONENBORN ET AL.	12/88	11Y8	LYSOZYME (HEN EGG-WHITE, MONOCLINIC)	A. ROGLE, RAU, SUNDARALINGAM	7/82
6B1R	HIRUDIN (NMR, K47E, MIN AVERAGED STRUCTURE)	CLORE, GRONENBORN ET AL.	1/90	21Y8	LYSOZYME (HEN EGG-WHITE, 1 ATM)	C. KUNDROT, F. RICHARDS	5/87
4B1R	HIRUDIN (NMR, K47E, 32 STRUCTURES)	CLORE, GRONENBORN ET AL.	12/88	31Y8	LYSOZYME (HEN EGG-WHITE, 1000 ATM)	C. KUNDROT, F. RICHARDS	5/87
1E1A	HISTOCOMPATIBILITY ANTIGEN A2 (HUMAN)	D. WILEY ET AL.	10/87 A	11E1	LYSOZYME (HUMAN)	P. ARTYMIUK, C. BLAKE	10/84
2E1A	HLA-AW68	GARRETT, SAPER, WILEY	10/89	11E2	LYSOZYME (TURKEY EGG-WHITE)	R. BOTT, R. SARMA	9/81 A
3E1A	HLA-A2	D. WILEY ET AL.	10/89	21E2	LYSOZYME (TURKEY)	M. PARSONS, S. PHILLIPS	10/88
2B1P	HIV-1 PROTEASE	H. NAVIA, F. FITZGERALD ET AL.	4/89 A	1C7P	L7/112 50S RIBOSOMAL PROTEIN C-TERMINAL	M. LEIJONHARCK, A. LILJAS	9/86
3B1P	HIV PROTEASE	SNODGRASS, JASKOLSKI, MILLER	3/84	2M1T	MELITIN	R. DIAMOND, D. PHILLIPS	2/75 R
4B1P	HIV-1 PROTEASE (N-AC-TI (NILE-P51-NLE) QR)	A. MLODANER ET AL.	11/89	2M1T	MELITIN	D. EISENBERG ET AL.	10/90
1B1A	HYALURONIC ACID (NA SALT, 3-FOLD HELIX)	S. ARNOTT	11/77	1MAD	*METHYLAMINE DEHYDROGENASE	F. VELLEUX, W. HOL	6/90 A
2B1A	HYALURONIC ACID (NA SALT, 4-FOLD HELIX)	S. ARNOTT	5/78	1M0N	MONELLIN (SERENDIPITY BERRY)	S. -H. KIM	5/89 A
3B1A	HYALURONIC ACID (NA SALT						

1XY2	DEAMINO-OXYTOCIN (DRY FORM)	T. BLUNDELL ET AL.	5/87	1TRM	TRYPSIN (RAT) MUTANT (D102N)	SPRANG, STANDING, FLETTERICK10/87
2F21	C-H-RAS P21 PROTEIN (CATALYTIC DOMAIN)	S.-H. KIM	7/89 A	2TRM	TRYPSIN (RAT) MUTANT (D102N)/BENAMIDINE	R. STROUD, J. FINER-MOORE 4/88
3P21	C-H-RAS P21 PROTEIN MUTANT (G12V)	S.-H. KIM	1/90 A	4PTI	TRYPSIN INHIBITOR (BOVINE, PANCREAS)	R. HUBER, J. DEISENHOFER 9/82
1PPT	AVIAN PANCREATIC POLYPEPTIDE	T. BLUNDELL	1/81	5PTI	TRYPSIN INHIBITOR (BOVINE, XRAY-NEUTRON)	A. WLODAMER, R. HUBER 10/84
1PAB	PAPAIN (PHE-ALA-ALA-ARG-ALA, CYS-25)	J. DRENTHE	11/76	6PTI	TRYPSIN INHIBITOR (FORM III, BOVINE)	A. WLODAMER 5/87
2PAB	PAPAIN (CYS DERIV OF CYS-25)	J. DRENTHE	11/76	2PFC	TRYPSIN/TRYPSIN INHIBITOR COMPLEX	R. HUBER, J. DEISENHOFER 9/82
9PAP	PAPAIN (OXIDIZED CYS 25)	I. KAMPBUIJS, J. DRENTHE	3/86	1TRM	TRYPSIN (ANHYDRO)/TRYPSIN INHIBITOR	HUBER, R. DEISENHOFER 5/89
4PAD	PAPAIN (CYS-LYS, CYS-25)	J. DRENTHE	11/76	1SGT	TRYPSIN (STREPTOMYCES GRISEUS)	R. READ, M. JAMES 4/88
5PAD	PAPAIN (BIOXY-GLY-PHE-GLY, CYS-25)	J. DRENTHE	11/76	1TGN	TRYPSINOGEN	A. KOSSIAKOFF, R. STROUD 9/79
6PAD	PAPAIN (BIOXY-PHE-ALA, CYS-25)	J. DRENTHE	11/76	2TGA	TRYPSINOGEN (2.4M MGSO4)	J. WALTER, R. HUBER, W. BODE 10/81
1PFD	PAPAIN D	J. JAMSONIUS	10/84	1TGC	TRYPSINOGEN (.5 CH3OH, .5 BOB)	J. WALTER, R. HUBER, W. BODE 10/81
5PEP	PEPSIN (PORCINE)	T. BLUNDELL ET AL.	5/90 R	1TGT	TRYPSINOGEN (173 K, .7 CH3OH, .3 BOB)	J. WALTER, R. HUBER, W. BODE 10/81
3PEP	PEPSIN (PORCINE)	C. ABAD-SAPATERO, V. ERICSON10/89	9/90	2TGT	TRYPSINOGEN (103 K, .7 CH3OH, .3 BOB)	J. WALTER, R. HUBER, W. BODE 10/81
4PEP	PEPSIN (PORCINE)	ANDREVA, FEDOROV, JAMES	12/89	1TGB	TRYPSINOGEN (WITH CA, FROM PEG)	BODE, FEELHAMMER, HUBER 3/79
1PFG	PEPSINOGEN (PORCINE)	J. HARTSUCK, S. REMINGTON	10/88	2TGD	TRYPSINOGEN (DIP-INHIBITED, BOVINE)	M. JONES, R. STROUD 3/86
1PHB	PHASECOLIN (FRENCH BEAN)	M. LAWRENCE ET AL.	3/90	2TGP	TRYPSINOGEN/TRYPSIN INHIBITOR	R. HUBER ET AL. 9/82
1PFK	PHOSPHOFRUCTOKINASE (E. COLI)-P6P-ADP/MG	V. SHIRAKHARA, P. EVANS	1/88	2TPI	TRYPSINOGEN/TRYPSIN INHIBITOR/TLE-VAL	J. WALTER, R. HUBER, W. BODE 10/81
2PFK	PHOSPHOFRUCTOKINASE (E. COLI)	M. RYPIEWSKI, P. EVANS	1/88	4TPI	TRYPSINOGEN/ARG-15-PHI/VAL-VAL	M. BODE, J. WALTER 6/85
3PFK	PHOSPHOFRUCTOKINASE (B. STEAROTHERMOPHILUS)	P. EVANS, P. HUDSON	1/88	1TGS	TRYPSINOGEN/PSTI	R. HUBER ET AL. 9/82
4PFK	PHOSPHOFRUCTOKINASE (B. ST.)-F6P-ADP/MG	P. EVANS, P. HUDSON	1/88	1WSY	TRYPTOPHAN SYNTHASE (S. TYPHIMURUM)	D. DAVIES ET AL. 9/88
5PFK	PHOSPHOFRUCTOKINASE (B. ST.) T-STATE	EVANS, FARRANTS, LAWRENCE	1/88 A	1TNP	TUMOR NECROSIS FACTOR	M. ECK, S. SPRANG 8/89
3PGK	PHOSPHOGLYCERATE KINASE (YEAST)	R. WATSON	7/82	2TS1	TYROSYL TRNA SYNTHETASE	F. BRICK, T. BEAT, D. BLOW 6/89
2PGK	PHOSPHOGLYCERATE KINASE (HORSE)	P. EVANS, C. BLAKE	9/76 B	3TS1	TYROSYL TRNA SYNTHETASE/TYROSINYL ADNYLTP	F. BRICK, T. BEAT, D. BLOW 6/89
3PGM	PHOSPHOGLYCERATE MUTASE	R. WATSON	4/82	4TS1	TYROSYL TRNA SYNTHETASE MUTANT	F. BRICK, T. BEAT, D. BLOW 6/89
1BP2	PHOSPHOLIPASE A2 (BOVINE)	B. DIJKSTRA, J. DRENTHE	4/81	1UBQ	UBIQUITIN (HUMAN)	VIJAY-KUMAR, BOGG, COOK 1/87
2BP2	PHOSPHOLIPASE A2 (BOVINE)	B. DIJKSTRA, M. BOL, J. DRENTHE	6/81	1UTG	UTEROGLOBIN (RABBIT)	J. MORROW ET AL. 3/89
3BP2	PHOSPHOLIPASE A2 (BOVINE) TRANSAMINATED	B. DIJKSTRA, J. DRENTHE	6/83	2UTG	UTEROGLOBIN (RABBIT)	R. BULL, J. DELLETRE 10/89
1P2P	PHOSPHOLIPASE A2 (PORCINE)	B. DIJKSTRA ET AL.	6/83	1BVV	BEAN POD MOTTLE VIRUS	J. JOHNSON 10/89
3P2P	PHOSPHOLIPASE A2 (PORCINE) MUTANT	B. DIJKSTRA ET AL.	11/89	2MEV	MEVUS VIRUS	M. ROSSMANN 4/89 R
1P22	PHOSPHOLIPASE A2 (CA-FREE, RATTLESNAKE)	S. BRUNIE, P. SIGLER	3/86	2PLV	POLIO VIRUS	D. FILMAN, J. BOGLE 10/89
1PHY	PHOTOCYTOCHROME YELLOW PROTEIN	D. MCNEE, J. TAINOR, E. GETSOFF	8/89	1R1A	RHINOVIRUS 1A	M. ROSSMANN ET AL. 12/88
1PRC	PHOTOCYTOCHROME REACTION CENTER	J. DEISENHOFER ET AL.	2/88	4RHV	RHINOVIRUS 14 (HUMAN)	E. ARNOLD, M. ROSSMANN 1/88
1PCY	PLASTOCYANIN (POPLAR, CU2+)	J. GUSS, B. FREEMAN	8/80	2R1	RHINOVIRUS/ANTIVIRAL AGENT 1S COMPLEX	M. ROSSMANN ET AL. 10/88
2PCY	PLASTOCYANIN (POPLAR, APO)	GARRETT, GUSS, FREEMAN	11/83	2R1	RHINOVIRUS/ANTIVIRAL AGENT 1R COMPLEX	M. ROSSMANN ET AL. 10/88
3PCY	PLASTOCYANIN (POPLAR, BG2+ SUBSTITUTED)	CHURCH, GUSS, POTTER, FREEMAN11/85	8/85	2R2	RHINOVIRUS/ANTIVIRAL AGENT 2 COMPLEX	M. ROSSMANN ET AL. 10/88
4PCY	PLASTOCYANIN (CROSBY-LINDED, CU1+, PH 7.8)	J. M. GUSS	9/86	2R3	RHINOVIRUS/ANTIVIRAL AGENT 3S COMPLEX	M. ROSSMANN ET AL. 10/88
5PCY	PLASTOCYANIN (POPLAR, GUS+, PH 7.0)	J. M. GUSS	9/86	2R4	RHINOVIRUS/ANTIVIRAL AGENT 4 COMPLEX	M. ROSSMANN ET AL. 10/88
6PCY	PLASTOCYANIN (POPLAR, CU1+, PH 3.8)	J. M. GUSS	9/86	2R5	RHINOVIRUS/ANTIVIRAL AGENT 5S COMPLEX	M. ROSSMANN ET AL. 10/88
7PCY	PLASTOCYANIN (ENTEROMORPHA, CU2+)	COLLYER, GUSS, FREEMAN	9/89	2R6	RHINOVIRUS/ANTIVIRAL AGENT 6 COMPLEX	M. ROSSMANN ET AL. 10/88
2PAB	PREALBUMIN (HUMAN, PLASMA)	S. OATLEY, C. BLAKE	9/77	2R7	RHINOVIRUS/ANTIVIRAL AGENT 7 COMPLEX	M. ROSSMANN ET AL. 10/88
2SQA	PROTEINASE A (STREPTOMYCES GRISEUS)	M. JAMES, A. SIELECKI	1/83	1R08	RHINOVIRUS/ANTIVIRAL AGENT 8 COMPLEX	M. ROSSMANN ET AL. 10/88
1SGC	PROTEINASE A (STREP. GRISEUS)/CHYMOTRYPSIN	L. DELBAERE, G. BRAYER	4/86	1RMU	RHINOVIRUS MUTANT ((1)C199Y)	M. ROSSMANN ET AL. 10/88
3SGB	PROTEINASE B (STREP. GRISEUS)/OMTKY3	A. SIELECKI ET AL.	1/83	2RMU	RHINOVIRUS MUTANT ((1)V188L)	M. ROSSMANN ET AL. 10/88
4SGB	SGPB/PCI	GREENBLATT, RYAN, JAMES	9/89	2STV	VIRUS (SATELLITE TOBACCO NECROSIS)	T. A. JONES, L. LILJAS 6/84
2PRK	PROTEINASE K (TRITRACHIUM ALBUM LIMBER)	C. BETTEL, G. PAL, W. SAENGER	11/87	4S5V	VIRUS COAT PROTEIN (SOUTHERN BEAN MOSAIC)	M. ROSSMANN ET AL. 4/85
3P22	PROTEINASE K (RAT MAST CELL)	S. REMINGTON, B. MATTHEWS	9/84	2ZMV	VIRUS (TOBACCO MOSAIC)	G. STUBBS 9/88
1PAB	PEUDOGAURIN (ALCALIGENES FAECALIS)	P. ETAROS, DRAUER, WILSON	6/88	2T2V	VIRUS (TOMATO BUSHY STUNT)	S. BARRISON 6/84
2PAB	PEUDOGAURIN (ALCALIGENES FAECALIS)	E. ADMAN, K. PETRATOS	9/88	1XIA	D-XYLOSE ISOMERASE (ARTHROBACTER)	D. BLOW 2/88 A
1PYD	INORGANIC PYROPHOSPHATASE	E. BARUTYUNYAN ET AL.	2/83	2XIA	D-XYLOSE ISOMERASE (S. RUBIGINOSUS)	H. CABELL 5/88 A
1PYK	PYRUVATE KINASE (CAT)	R. MUIRHEAD	1/80 A	3XIA	XYLOSE ISOMERASE (STREP. OLIVOCROCOCGENES)	G. FARRER, G. PETSKO 2/89
1R69	R1-69 N-TERMINUS OF 434 REPRESSOR	S. HARRISON ET AL.	12/88	4XIA	D-XYLOSE ISOMERASE/SORBITOL	K. HENRICK, C. COLLYER, D. BLOW 6/89
2OR1	R1-69 (PAGE 434)/OR1	AGGARWAL, ANDERSON, HARRISON	9/89	5XIA	D-XYLOSE ISOMERASE/XYLITOL	K. HENRICK, C. COLLYER, D. BLOW 6/89
1LRP	LAMBDA REPRESSOR (BACTERIOPHAGE LAMBDA)	C. PABO, M. LEWIS	12/87 A			
1LRD	LAMBDA REPRESSOR (DNA)	S. JORDAN, C. PABO	10/88			
1RHD	RHOENASE	W. BOL	12/77			
5R5A	RIBONUCLEASE A (K-RAY/NEUTRON)	A. WLODAMER	4/85			
6R5A	RIBONUCLEASE A (URIDINE VANADATE COMPLEX)	A. WLODAMER	2/85			
1RN3	RIBONUCLEASE A	BORKAKOTI, MOSS, PALMER	10/81			
7R5A	RIBONUCLEASE A (PHOSPHATE-FREE)	A. WLODAMER, G. GILLILAND	6/88			
1RNL	LYS 7-DNP-LYS 41 RIBONUCLEASE A	B. FINZEL ET AL.	8/85			
1SRN	RIBONUCLEASE A (SEMISYNTHETIC)	MARTIN, DOSCHER, EDWARDS	10/90			
1RBB	RIBONUCLEASE B (GLYCOSYLATED)	WILLIAMS, GREENE, MCPHERSON	9/87			
1RNS	RIBONUCLEASE S	H. WYCKOFF, F. RICHARDS	4/73			
1RNT	RIBONUCLEASE T1/GUANYLIC ACID COMPLEX	W. SAENGER ET AL.	7/87			
2RNT	RIBONUCLEASE T1/GUANYL-2'-5'-GUANOSINE	U. HEINEMANN ET AL.	7/88			
3RNT	RIBONUCLEASE T1/VANADATE COMPLEX	W. SAENGER ET AL.	5/89			
2RSP	ROUS SARCOMA VIRUS PROTEASE	WLODAMER, MILLER, JASKOLSKI	10/89			
2RUB	RUBISCO (RHODOSPIRILLUM RUBRUM)	SCHNEIDER, LINDQVIST, BRANDEN11/88 A	10/84			
4RXN	RUBREDOXIN (C. PASTEURIANUM, UNCONSTR REF)	WATENPAUGH, SIEKER, JENSEN	10/84			
5RXN	RUBREDOXIN (C. PASTEURIANUM, NRG+XTAL REF)	K. WATENPAUGH	10/84			
6RXN	RUBREDOXIN (DESULFOVIBRIO DESULFURICANS)	R. MATTHEWS, JENSEN	1/90			
1RDC	RUBREDOXIN (DESULFOVIBRIO GIGAS)	M. FREY, L. SIEKER, F. PAVAN	3/88			
3RXN	RUBREDOXIN (DESULFOVIBRIO VULGARIS)	E. ADMAN, L. SIEKER, L. JENSEN	9/80			
2SNS	STAPHYLOCOCCAL NUCLEASE	M. LEGG, F. A. COTTON, E. HASEN	5/82			
1SNC	STAPHYLOCOCCAL/CAC+/PDP	P. LOHL, E. LATMAN	7/89			
2S1I	SUBTILISIN INHIBITOR (STREPTOMYCES)	Y. MITSUI ET AL.	4/80			
1SBC	SUBTILISIN CARLSBERG	T. WEIDMANN, G. PETSKO	5/88			
2SBC	SUBTILISIN CARLSBERG/EGLN COMPLEX	C. MCPHALEN, M. JAMES	9/88			
1CSE	SUBTILISIN CARLSBERG/EGLN COMPLEX	W. BODE	6/88			
1SBT	SUBTILISIN BPN	J. KRAUT	8/72			
1S01	SUBTILISIN BPN MUTANT	M. WHITLOW, A. HOWARD, J. WOOD	8/89			
2SBT	SUBTILISIN NOVO	J. DRENTHE	9/76			
2SNI	SUBTILISIN NOVO/CHYMOTRYPSIN INHIBITOR	C. MCPHALEN, M. JAMES	9/88			
1S1C	SUBTILISIN BPN (PRIME)/SSI COMPLEX	Y. MITSUI ET AL.	4/84 A			
2SOD	SUPEROXIDE DISMUTASE	J. RICHARDSON, D. RICHARDSON	3/80			
1TRH	TETRAMIN (1)KETEMPE BERRY	S.-H. KIM	5/89 A			
2AIT	TETRAE STATE (NHR, 9 STRUCTURES)	K. MUEZELER ET AL.	5/89			
1TTC	THERMAL SHOCK COMPLEX	F. CROSBY, B. DIJKSTER, M. BOL	5/88			
3TTLN	THERMOLYSIN (NATIVE)	B. MATTHEWS, M. HOLMES	2/82			
4TTLN	THERMOLYSIN (L-LEU-NHOB)	B. MATTHEWS, M. HOLMES	2/82			
5TTLN	THERMOLYSIN (HONB-BZALONYL-A-G-NITROALD)	B. MATTHEWS, M. HOLMES	2/82			
7TTLN	THERMOLYSIN (CH2CO (N-OB) LEUCO3)	B. MATTHEWS, M. HOLMES	1/83			
1TLP	THERMOLYSIN/PHOSPHORAMIDON INHIBIT COMPLEX	TRONRUD, MONZINGO, MATTHEWS	6/87			
1TMN	THERMOLYSIN/CLT INHIBITOR COMPLEX	A. MONZINGO, B. MATTHEWS	6/87			
2TMN	THERMOLYSIN/PLN INHIBITOR COMPLEX	TRONRUD, MONZINGO, MATTHEWS	6/87			
3TMN	THERMOLYSIN/VW INHIBITOR COMPLEX	H. HOLDEN, B. MATTHEWS	6/87			
4TMN	THERMOLYSIN/ZFPLA INHIBITOR COMPLEX	B. MATTHEWS ET AL.	6/87			
5TMN	THERMOLYSIN/SGPLL INHIBITOR COMPLEX	B. MATTHEWS ET AL.	6/87			
6TMN	THERMOLYSIN/SGPLL INHIBITOR COMPLEX	TRONRUD, HOLDEN, MATTHEWS	6/87			
1SRX	THIOREDUCIN (E. COLI, OXIDIZED)	B.-O. SODERBERG	5/76 A			
1TON	TONIN (RAT)	M. FUJINAGA, M. JAMES	6/87			
2TRA	TRANSFER RNA (YEAST ASP, FORM A)	E. WESTHOFF, P. DUMAS, D. MORAS	11/87			
3TRA	TRANSFER RNA (YEAST ASP, FORM B)	E. WESTHOFF, P. DUMAS, D. MORAS	11/87			
1TN1	TRANSFER RNA (YEAST, PHE, PB, PH 7.4)	DEMAN, BROWN, RINGERTY, KLUG	12/86			
1TN2	TRANSFER RNA (YEAST, PHE, PB, PH 5.0)	J. DEMAN, R. BROWN, A. KLUG	8/86			
4TNA	TRANSFER RNA (YEAST, PHE)	A. JACK, J. LADNER, A. KLUG	4/78			
6TNA	TRANSFER RNA (YEAST, PHE)	S.-H. KIM ET AL.	11/78			
1TRA	TRANSFER RNA (YEAST, PHE)	M. SUNDARALINGAM ET AL.	5/86			
4TRA	TRANSFER RNA (YEAST PHE, ORTHORHOMBIC)	E. WESTHOFF, P. DUMAS, D. MORAS	11/87			
1TCL	TRIACYLGLYCEROL LIPASE	VANDIPEEN, DERKENDA ET AL.	2/90			
1T1B	TRIOSE PHOSPHATE ISOMERASE	T. WILSON, D. PHILLIPS	9/76			
1YV1	TRIOSE PHOSPHATE ISOMERASE (YEAST)	T. ALBER, E. LOLLIS, G. PETSKO	1/90			
1YV1	*TIM (YEAST)/2-PROSPHOGYCOLATE	T. ALBER, E. LOLLIS, G. PETSKO	1/90			
2TMA	ALPHA TROPOMYOSIN	G. PHILLIPS JR., C. COHEN	9/87 A			
4TNC	TROPONIN C (CHICKEN)	M. SUNDARALINGAM	9/87			
5TNC	TROPONIN C (TURKEY)	O. HERZBERG, M. JAMES	5/88			
1WRP	TRP REPRESSOR (TRIGONAL)	P. SIGLER ET AL.	12/87			
2WRP	TRP REPRESSOR (ORTHORHOMBIC)	P. SIGLER ET AL.	12/87			
3WRP	APO-TRP REPRESSOR	P. SIGLER ET AL.	12/87			
2PTN	TRYPSIN (ORTHORHOMBIC, 2.4M (NH4)2SO4)	J. WALTER, R. HUBER, W. BODE	10/81			
1TPO	TRYPSIN (ORTHORHOMBIC)	W. BODE, J. WALTER, R. HUBER	9/82			
1LTD	TRYPSIN (BOVINE, ORTHORHOMBIC)	BARTWIK, SUMMERS, BARTSCH	7/89			
3PTN	TRYPSIN (BENAMIDINE INHIBIT)	J. WALTER, R. HUBER, W. BODE	10/81			
3FTB	TRYPSIN (BENAMIDINE INHIBITED)	M. BODE, F. SCHWAGER, J. WALTER	9/82			
1TPT	TRYPSIN/P-AMIDINO-PHENYL-PYRUVATE	J. WALTER, W. BODE, R. HUBER	9/82			
4FTT	TRYPSIN (DIP INHIBITED)	CHAMBERS, STROUD, FINER-MOORE4/88	4/88			
1NTP	MODIFIED BETA TRYPSIN (NEUTRON)	A. KOSSIAKOFF	9/87			

MODEL STRUCTURES

1APD	APOLIPOPROTEIN D (HUMAN) MODEL	M. FELTSCH, M. BOGUSKI	12/89
2CLC	CALMODULIN/TITIN MODEL	N. STRYDOM, M. JAMES	2/88
2CP1	CYTOSOLIC CELL PROTEASE 1 MODEL	M. MURPHY, M. JAMES	10/90
1APK	CAMP-DEPENDENT PROTEIN KINASE (IA) MODEL I.WEBER	I. WEBER	3/89
1BPK	CAMP-DEPENDENT PROTEIN KINASE (IB) MODEL I.WEBER	I. WEBER	3/89
2APK	CAMP-DEPENDENT PROTEIN KINASE (IA) MODEL I.WEBER	I. WEBER	3/89
2BPK	CAMP-DEPENDENT PROTEIN KINASE (IB) MODEL I.WEBER	I. WEBER	3/89
1DN7	DNA (POLY (DG)-POLY (DC), SYNTHETIC) MODEL	M. MCCALL, T. BROWN, O. KENNARD	5/87
2SNA	DNA (S-I, CGCGCG, SYNTHETIC) MODEL	A. RICH	2/81
3SNA	DNA (S-I, CGCGCG, SYNTHETIC) MODEL	A. RICH	2/81
1DNN	DNA (ACCCGCTAAG...) MODEL	J. SUBRAMANIAN, E. TRIFONOV	11/82
2CABP	CATABOLITE GENE ACTIVATOR PTDNA MODEL	I. WEBER, F. STETZ	3/86 A
1HF1	HANNUKA FACTOR MODEL	M. MURPHY, M. JAMES	12/85
1HVP	HIV-1 PROTEASE MODEL	I. WEBER	3/89
1IGE	IMMUNOGLOBULIN E (FC FRAGMENT) MODEL	E. PADLAN, D. DAVIES	1/85
1RFM	IYHEL-10 ANTIBODY, FV REGION MODEL	C. MAINHART	10/87
2HFM	IYHEL-10 ANTIBODY, CDR3 MODEL	C. MAINHART	10/87
1FVB	IMMUNOGLOBULIN FV B1912 MODEL	E. KABAT, E. PADLAN	4/88
2FVB	IMMUNOGLOBULIN FV B1912 MODEL	E. KABAT, E. PADLAN	4/88
1FVW	IMMUNOGLOBULIN FV W3129 MODEL	E. KABAT, E. PADLAN	4/88
2FVW	IMMUNOGLOBULIN FV W3129 MODEL	E. KABAT, E. PADLAN	4/88
1GFI	INSULIN-LIKE GROWTH FACTOR I MODEL	BLUNDELL, BEDARKAR, HUMBEL	12/82
1GFL	INSULIN-LIKE GROWTH FACTOR II MODEL	BLUNDELL, BEDARKAR, HUMBEL	12/82
1MLP	MURIN LIPOPROTEIN MODEL	A. MCLAUCHLAN	8/78
1RLX	RELAXIN (CONFORMATION A, UNREFINED) MODEL	A. EVANS, A. NORTH	3/78
2RLX	RELAXIN (CONFORMATION B, UNREFINED) MODEL	A. EVANS, A. NORTH	3/78
3RLX	RELAXIN (CONFORMATION A, REFINED) MODEL	A. EVANS, A. NORTH	3/78
4RLX	RELAXIN (CONFORMATION B, REFINED) MODEL	A. EVANS, A. NORTH	3/78
7TMM	THERMOLYSIN SUBSTRATE (TRANSITION) MODEL	R. MATTHEWS ET AL.	6/87
1TNC	TROPONIN (CA-BINDING COMPONENT) MODEL	K. KRETSINGER, C. D. BARRY	6/80 A

\* NEW OR REPLACEMENT ENTRY SINCE OCT-1990 NEWSLETTER

STATUS CODES

BLANK	STANDARD ENTRY AVAILABLE FOR DISTRIBUTION
A	ALPHA CARBON ATOMS ONLY
B	BACKBONE ONLY
R	RECENT (1989-1991) REPLACEMENT FOR AN OUT-OF-DATE PARAMETER SET

TABLE 5. PROTEIN DATA BANK, BIBLIOGRAPHIC EN

OC3A DES-ARG77-C3A ANAPHYLATOXIN  
 ODRF DIHYDROFOLATE REDUCTASE-FOLATE COMPLEX  
 ODF5 R67 DIHYDROFOLATE REDUCTASE (ESCHERICHIA COLI)  
 ODN2 DNA (CGCAAAATCCCG, SYNTHETIC)  
 ODN3 DNA (CGCAATATCCCG, SYNTHETIC)  
 ODAC DNA (CGCTATCCCG, SYNTHETIC) COMPLEX WITH TRIOSTIN  
 ODN1 DNA (GGGGTCCC, SYNTHETIC)  
 OAN8 DNA (GGTATACC)  
 OANB DNA (GA+UA-UACC)  
 OG7C DNA (A, GGGGCTCC, SYNTHETIC)  
 OEPC ELASTASE-(THR-PRO-NVAL-NMELEU-TYR-THR) COMPLEX AT 292 DEGREES KELVIN  
 OEVC ELASTASE-NEO-SUC-ALA-ALA-PRO-VAL CHLOROMETHYL KETONE  
 OESC ELASTASE COMPLEX WITH TWO MOLECULES OF ACE-ALA-PRO-ALA  
 OES5 ELASTASE COMPLEX (FIG)  
 OENK EXOTOXIN A (PSEUDOMONAS AERUGINOSA)  
 OFDL FAB (IGF 1) COMPLEX WITH LYSOZYME  
 OFX1 FERREDOXIN I (APHANOTHECE SACRAM)  
 OFE1 FERREDOXIN I  
 OFX3 FLAVODOXIN (OXIDIZED, ANACYSTIS NIDULANS)  
 OFX2 FLAVODOXIN (REDUCED, CLOSTRIDIUM MP)  
 OGBP D-GALACTOSE-BINDING PROTEIN (ESCHERICHIA COLI)  
 OGL5 GLUTAMINE SYNTHETASE (SALMONELLA TYPHIMURIUM)  
 OHR8 HEAVY RIBOFLAVIN SYNTHASE  
 OEP1 HEMOCYANIN (FANULIRUS INTERRUPTUS)  
 ODC8 HEMOGLOBIN (COBALT, DEOXY)  
 OEBG HEMOGLOBIN (GLYCERA DIRANCIATA)  
 OEBT HEMOGLOBIN (T STATE, HUMAN)  
 OAU1 IMMUNOGLOBULIN, BENICE-JONES FRAGMENT (KAPPA) AU  
 OROY IMMUNOGLOBULIN, BENICE-JONES FRAGMENT (V-MONOMER, KAPPA) ROY  
 OIG1 IMMUNOGLOBULIN G1 (KAPPA) DOB  
 OIN4 INSULIN (HUMAN)  
 OIN1 INSULIN (PORCINE)  
 OIN2 INSULIN (PORCINE)  
 OIN3 DESPENTAPEPTIDE INSULIN (BEEF)  
 OIN1 INSULIN (2IN-INSULIN SPHENOL)  
 OILT INTERLEUKIN-2  
 ORIF INTESTINAL FATY ACID-BINDING PROTEIN  
 OIPC LIPOVITELLIN-PROSVITIN COMPLEX  
 OLEG LYSOZYME G (GOOSE-TYPE)  
 OGLM LYSOZYME (EMDEN GOOSE)  
 OLE5 LYSOZYME (HEN EGG-WHITE, NEUTRON STUDY)  
 OLEE LYSOZYME (HEN EGG-WHITE, DEUTERATED ETHANOL)  
 OLET LYSOZYME (HEN EGG-WHITE, HIGH-TEMPERATURE)  
 OLE6 LYSOZYME (STREPTOMYCES ERYTHRAEUS)  
 OTEL LYSOZYME (TOBACCO EGG-WHITE)  
 OEBM BETA2-MICROGLOBULIN  
 OMDM MITOCHONDRIAL MALATE DEHYDROGENASE (PORCINE)  
 OMBM MYOGLOBIN (SPERM WHALE, MET, NEUTRON STUDY)  
 OMB3 MYOGLOBIN (SPERM WHALE, MET, NEUTRON STUDY)  
 OPEC PAFAIN-E-64 COMPLEX  
 OFGL PHOSPHOGLUCOMUTASE (RABBIT)  
 OFPA PHOSPHORYLASE A (RABBIT)  
 OFB1 PHOSPHORYLASE B (RABBIT)  
 OCP6 C-PHYCOCYANIN (AGMENELLUM QUADRUPLICATUM)  
 OFFB PLATELET FACTOR 4  
 OFP1 PROTHROMBIN FRAGMENT 1 (BOVINE)  
 ORCR REACTION CENTER  
 ORX5 RELAXIN (PORCINE) MODEL  
 OREN RENIN  
 ORSA RIBONUCLEASE A (BOVINE)  
 ORIA RIBONUCLEASE A (BOVINE) COMPLEX WITH DNA (AAAA)  
 ORBS RIBONUCLEASE (BOVINE SEMINAL)  
 ORBI RIBONUCLEASE BI (BINASE)  
 ORST RIBONUCLEASE ST (STREPTOMYCES ERYTHRAEUS)  
 ORFL RIBOSOMAL PROTEIN L30  
 ORIC RICIN (ICAI)  
 OCSB STREPTAVIN-BIOTIN COMPLEX  
 OST1 SUBTILISIN (BAS)  
 OST2 SUBTILISIN (BASOX) (PEROXIDE-OXIDIZED)  
 OSBP SULFATE-BINDING PROTEIN  
 OSDE FE-SUPEROXIDE DISMUTASE (ESCHERICHIA COLI)  
 OSDP FE-SUPEROXIDE DISMUTASE (PSEUDOMONAS OVALIS)  
 OSDM MN-SUPEROXIDE DISMUTASE (THERMUS THERMOPHILUS)  
 OTMT THERMITASE  
 OTEC THERMITASE-EGLIN C COMPLEX  
 OTE4 TRIORODOXIN (BACTERIOPHAGE T4)  
 OFMT INITIATOR TRANSFER RNA (E. COLI, F/MET)  
 OTRI TRANSFER RNA (YEAST, PHE)  
 OMTS METHIONYL TRANSFER RNA SYNTHETASE  
 OTFD TRANSFERRIN (DIFERRIC)  
 OTMD TRIMETHYLAMINE DEHYDROGENASE  
 OTR0 TRP REPRESSOR-OPERATOR COMPLEX  
 OTTI BETA TRYPSIN-TRYPSIN INHIBITOR I  
 OAD2 ADENOVIRUS TYPE 2 HEXON (AD2)  
 OTMV VIRUS PROTEIN DISK (TOBACCO MOSAIC)

\* NEW OR REPLACEMENT ENTRY SINCE OCT-1990 NEWSLETTER

TABLE 6. PROTEIN DATA BANK, STRUCTURE FACTOR ENTRIES

IDENT CODE	MOLECULE	DEPOSITOR	DATE/ CODE
PART 7 - AVAILABLE ON NONST7TP, NONST7FI			
R4CPV5F	CA-BINDING PARVALBUMIN (CARP)	KUMAR, LEE, EDWARDS	10/89 SF
R5CYT5F	CYTOCHROME C (ALBACORE, REDUCED)	T. TAKANO	1/88 SF
R1BD15F	DNA (CCAGGCTGG)	U. HEINEMANN	8/89 SF
R1DW95F	DNA (CGCATATCCCG)	C. YOON, R. DICKERSON	4/89 SF
R4GDF5F	ARO-GLYCERALDEHYDE-3-P-DEHYDROGENASE (LBSTR)	G. GRIFFITH, SONG, ROSSMANN	1/88 SF
R2HMG5F	*HEMAGGLUTININ MUTANT (G146 (A) D)	D. WILEY ET AL.	10/89 SF
R3HMG5F	*HEMAGGLUTININ MUTANT (L226 (A) Q)	D. WILEY ET AL.	10/89 SF
R4HMG5F	*HEMAGGLUTININ MUTANT (L226 (A) Q) /SIALIC ACID. WILEY ET AL.	D. WILEY ET AL.	10/89 SF
R5HMG5F	*HEMAGGLUTININ MUTANT (D112 (B) G) /SIALIC ACID. WILEY ET AL.	D. WILEY ET AL.	10/89 SF
R1COR5F	HEMOCLOBIN (ALPHA-FERROUS, BETA-COBALTOUS) B. LUISI	B. LUISI	1/89 SF
R3HFM5F	HYHEL-10 FAB/LYSOZYME COMPLEX	E. PADLAN, D. DAVIES	8/88 SF
R2FBJ5F	IGA FAB (KAPPA) J539	BEAT, PADLAN, DAVIES	8/89 SF
R1LDB5F	ARO-L-LDH (BACILLUS STEAROTHERMOPHILUS)	K. PIONTEK, M. ROSSMANN	3/89 SF
R2LDB5F	L-LDH/NAD/FRUCTOSE-1, 6-BISPHOSPHATE	K. PIONTEK, M. ROSSMANN	3/89 SF

A COMPLETE LIST OF ENTRIES IN PARTS 1 - 6 CAN BE OBTAINED BY CHECKING THE APPROPRIATE BOX IN THE DOCUMENTATION SECTION OF THE ATTACHED ORDER FORM.

RILLCSF LACTATE DEHYDROGENASE (L.CASEI)  
 R2LX5F LACTATE DEHYDROGENASE (MOUSE TESTES)  
 R2LZ5F LYSOZYME (TRICLINIC)  
 R2LE25F LYSOZYME (TURKEY)  
 R4HDB5F MALATE DEHYDROGENASE (PORCINE)  
 R1P85F MYOGLOBIN (FIG)  
 R4HDB5F MYOGLOBIN (SPERM WHALE, MET)  
 R5HDB5F MYOGLOBIN (SPERM WHALE, DEOXY)  
 R5PE5F PEP SIN (PORCINE)  
 R1P8C5F PHOTOSYNTHETIC REACTION CENTER  
 R2RNT5F RIBONUCLEASE T1/GUANYL-2', 5'-GUANOSINE  
 R2RSP5F ROUS SARCOMA VIRUS PROTEASE  
 R1RDG5F RUBREDOXIN (DESULFOVIBRIO GIGAS)  
 R1SNC5F STAPH NUCLEASE/CA2+/PDP  
 R1RTE5F THERMITASE/EGLIN-C COMPLEX  
 R2TRAF5 TRANSFER RNA (YEAST, ASP, FORM A)  
 R3TRAF5 TRANSFER RNA (YEAST ASP, FORM B)

PART 8 - AVAILABLE ON NONST8TP, NONST8FI

R35CS5F \*CYTOCHROME B5 (BOVINE) F. S. MATHEWS, R. DURLEY 1/90 SF  
 R256B5F \*CYTOCHROME B562 (ESCHERICHIA COLI) RAMDA, BETHGE, MATHEWS 1/90 SF  
 R1R8B5F \*HEMOGLOBIN (HUMAN, T STATE, PARTIALLY OXY) D. WALLER, R. LIDINGTON 1/90 SF  
 R6RNS5F \*RUBREDOXIN (DESULFOVIBRIO DESULFURICANS) STENKAMP, SIEKER, JENSEN 1/90 SF  
 R1BMV5F BEAN POD MOTTLE VIRUS J. JOHNSON 10/89 SF

\* NEW OR REPLACEMENT ENTRY SINCE OCT-1990 NEWSLETTER

CODES

SF STRUCTURE FACTORS

TABLE 7. PROTEIN DATA BANK, NMR EXPERIMENTAL DATA ENTRIES

IDENT CODE	MOLECULE	DEPOSITOR	DATE/ CODE
PART 1 - AVAILABLE ON NMRS1TP, NMRS1FI			
R2BDSHR	*BDS-I (SEA ANEMONE) (NMR)	CLORE, DRISCOLL, GRNNBRN11/88 M	
R2CBHR	*CELLULOBIODOLASE 1 (NMR)	G. M. CLORE, A. GRONENBORN 5/89 M	
R2H1MR	*HEIRUDIN (NMR)	CLORE, GRONENBORN ET AL 12/88 M	
R2ILSHR	*INTERLEUKIN 8 (NMR)	G. CLORE, A. GRONENBORN 3/90 M	
R2AITHR	*TENDAMISTAT (NMR)	K. WUEHRICH ET AL. 5/89 M	

\* NEW OR REPLACEMENT ENTRY SINCE OCT-1990 NEWSLETTER

CODES

M NMR RESTRAINTS AND OTHER NMR EXPERIMENTAL DATA

TABLE 8. CORRECTIONS TO COORDINATE ENTRIES AND PROGRAMS

15-JAN-1991

CORRECTIONS TO ENTRIES MAY BE OBTAINED IN ONE OF TWO WAYS -

A. ORDER CORR32FI. THERE IS NO CHARGE FOR THIS MICROFICHE WHICH CONTAINS A LISTING OF ALL CORRECTIONS APPLIED IN THE LAST THREE MONTHS.

B. ORDER A NEW COPY OF DATAPRTP.

THE FOLLOWING DATA SETS HAVE HAD CORRECTIONS APPLIED. PLEASE CONSULT A COPY OF THE PROTEIN DATA BANK ATOMIC COORDINATE AND BIBLIOGRAPHIC ENTRY FORMAT DESCRIPTION FOR A FULL DESCRIPTION OF REVDT RECORDS.

REVDT	DATE	MOLECULE	REMARK
10	15-JAN-91	2B5CI 3	OBSLTE
6	15-JAN-91	1AKUE 1	SOURCE HET FORMUL
7	15-JAN-91	1PCYF 1	COMPND REMARK HET
8	15-JAN-91	2SOOG 1	HET
4	15-JAN-91	3RNC 1	HEADER
7	15-JAN-91	156BF 3	OBSLTE
4	15-JAN-91	2APC 3	OBSLTE
4	15-JAN-91	3BP2C 3	SEQRES HET FORMUL HETATM
3	15-JAN-91	1CY3B 1	HET
2	15-JAN-91	1RMA 3	OBSLTE
3	15-JAN-91	2APB 2	CONECT
3	15-JAN-91	2MCPB 3	HET FORMUL HETATM
6	15-JAN-91	2STVE 1	REMARK
4	15-JAN-91	3GAPC 3	ATCM
3	15-JAN-91	4PCYB 1	COMPND
3	15-JAN-91	5PCYB 1	COMPND
5	15-JAN-91	5RSAC 3	HET FORMUL HETATM
3	15-JAN-91	6PCYB 1	COMPND
2	15-JAN-91	1BLMA 3	OBSLTE
2	15-JAN-91	1AMTA 3	ATCM CONECT
3	15-JAN-91	1CBPB 1	FORMUL
2	15-JAN-91	1RDGA 1	HEADER REVDAT
3	15-JAN-91	1RMUB 1	HET
2	15-JAN-91	1TNFA 1	REMARK
2	15-JAN-91	1XIAA 1	HEADER
2	15-JAN-91	2RSPA 3	CRYST1
3	15-JAN-91	2TMNB 3	HETATM CONECT
2	15-JAN-91	2WRPA 1	HET
2	15-JAN-91	2XIAA 1	HEADER
2	15-JAN-91	3XIAA 1	HEADER
2	15-JAN-91	4PFA 3	HETATM
2	15-JAN-91	4XIAA 1	HEADER
2	15-JAN-91	5ANAA 1	FORMUL
2	15-JAN-91	5XIAA 1	HEADER
3	15-JAN-91	2TMVB 1	REMARK
2	15-JAN-91	1APDA 1	REMARK
2	15-JAN-91	1DFFA 1	HET
2	15-JAN-91	1TGLA 1	SOURCE
2	15-JAN-91	2PFA 3	REMARK FORMUL ATCM

THE FOLLOWING DATA SETS HAVE BEEN REPLACED

OBSLTE	DATE	MOLECULE	OLD ENTRY	NEW ENTRY
OBSLTE	15-JAN-91	2B5C	2B5C	256B
OBSLTE	15-JAN-91	156B	156B	3APP
OBSLTE	15-JAN-91	2APP	2APP	2HM
OBSLTE	15-JAN-91	1RNG	1RNG	3BLM



TABLE 9. COORDINATE AND STRUCTURE FACTOR ENTRIES IN PREPARATION

15-JAN-1991

IDENT CODE	MOLECULE	DEPOSITOR(S)	DATE/STATUS
1AAA	ACID ALPHA-AMYLASE (ASPERGILLUS NIGER)	G. DOOSON ET AL.	3/90 AH
4A9R	ACID PROTEASE (R. PEPSIN) / INHIBITOR	K. SUGUNA, D. DAVIES	8/89 P
5A9R	ACID PROTEASE (R. PEPSIN) / INHIBITOR	K. SUGUNA, D. DAVIES	8/89 P
6A9R	ACID PROTEASE (R. PEPSIN) / INHIBITOR	K. SUGUNA, D. DAVIES	8/89 P
1A9P	ACYL CARRIER PROTEIN (NMR, 2 MODELS)	J. PRESTEGARD, Y. KIM	7/90 P
1AK3	ADENYLATE KINASE ISOZYME 3	K. DIEDERICHS, G. SCHULE	1/90 P
1AL1	ALBUMIN (HUMAN) / B-PROTEIN PRECURSOR	T. RHINE ET AL.	9/90 P
1AL1	ALPHA-1 (SYNTHETIC PEPTIDE)	C. HILL ET AL.	7/90 P
2P07	ALPHA-LYTIC PROTEASE MUTANT (M192A)	R. BONE, D. AGARD	10/90 RP
1F11	ALPHA-LYTIC PROTEASE/PHOSPHONATE ESTER	R. BONE, D. AGARD	10/90 P
1F12	ALPHA-LYTIC PROTEASE/PHOSPHONATE ESTER	R. BONE, D. AGARD	10/90 P
1ACH	ALPHA1 ANTICRYMOTRYPSIN (HUMAN)	U. BAUMANN, R. RUBER ET AL.	1/91 H
1AP3	*APOLIPOROTEIN III (LOCUST)	B. HOLDEN ET AL.	11/90 P
2ABP	ARABINOSIDE-BINDING PRTN (P254G) / L-ARABINOSIDE	VERMERSCH, TESMER, QUICHO	9/90 H
2ABP	ARABINOSIDE-BINDING PRTN (P254G) / D-FUCOSE	VERMERSCH, TESMER, QUICHO	9/90 H
4ABP	ARABINOSIDE-BINDING PRTN (P254G) / D-GALACTOSE	VERMERSCH, TESMER, QUICHO	9/90 H
5ABP	*ARABINOSIDE-BINDING PROTEIN (D-GALACTOSE	F. QUICHO, D. WILSON, M. YU	12/90 H
3AMT	*ASPARTATE AMINOTRANSFERASE MUTANT R386F	RAN, MESSERSCHMIDT, HUBER	12/90 P
2AU	*AZURIN (P. AERUGINOSA) MUTANT (H351)	RAN, MESSERSCHMIDT, HUBER	1/91 H
3AU	*AZURIN (P. AERUGINOSA) MUTANT (H351)	MESSERSCHMIDT, HUBER	1/91 H
1BRD	BACTERIORHODOPSIN (ELECTRON DIFFRACTION)	R. HENDERSON ET AL.	5/90 P
1BBP	BILIN BINDING PROTEIN (PIERIS BRASSICAE)	R. RUBER ET AL.	9/90 P
1PAL	CA-BINDING PARVALBUMIN (PIKE) / CA2, NH4	J. DECLERCQ ET AL.	11/90 P
2PAL	CA-BINDING PARVALBUMIN (PIKE) / CA2, NH	J. DECLERCQ ET AL.	11/90 P
3PAL	CA-BINDING PARVALBUMIN (PIKE) / CA2, MG	J. DECLERCQ ET AL.	11/90 P
4PAL	CA-BINDING PARVALBUMIN (PIKE) / CA2, MG	J. DECLERCQ ET AL.	11/90 P
6CPA	CARBOXYPEPTIDASE A / SAAP (O) P	B. KIM, W. LIPSCOMB	2/90 P
1AC2	WHEAT SERINE CARBOXYPEPTIDASE II	D. J. LIAO, S. REMINGTON	1/90 AN
1CD1	CARDIOXYKIN II 4 (NAJA M. MOSSAMBICA)	B. REES ET AL.	5/90 P
1C1T	CHARYBDOKIN (NMR)	MASSERSK, REDFILD, HARE, MILLR	10/90 P
1A4A	CHLORAMPHENICOL ACETYLTRANSFERASE (L160F)	A. LESLIE	10/90 P
2CMS	CHYMOSIN B (BOVINE)	T. BLUNDELL ET AL.	2/90 P
3CMS	CHYMOSIN B MUTANT (V111F) (BOVINE)	T. BLUNDELL ET AL.	2/90 P
1GCT	GAMMA-CHYMOTRYPSIN (PH 7.0)	M. DIXON, B. MATTHEWS	9/90 P
2GCT	GAMMA-CHYMOTRYPSIN (PH 2.0)	M. DIXON, B. MATTHEWS	9/90 P
3GCT	GAMMA-CHYMOTRYPSIN (PH 10.5)	M. DIXON, B. MATTHEWS	9/90 P
1C9C	CITRATE SYNTHASE / L-MALATE / CRYSTAL COA	KARPUSAS, HOLLAND, REMINGTON	5/90 P
2C9C	CITRATE SYNTHASE / D-MALATE / CRYSTAL COA	KARPUSAS, HOLLAND, REMINGTON	5/90 P
3C9C	CITRATE SYNTHASE / L-MALATE / ACETYL COA	KARPUSAS, HOLLAND, REMINGTON	5/90 P
4C9C	CITRATE SYNTHASE / D-MALATE / ACETYL COA	KARPUSAS, HOLLAND, REMINGTON	5/90 P
5C9C	CITRATE SYNTHASE (OPEN FORM)	LIAO, KARPUSAS, REMINGTON	5/90 P
1C5A	COMPLEMENT C5A (DES-ARG) (NMR, 41 STRCS)	M. WILLIAMSON, V. MADISON	6/90 P
1BCC	*16TH COMPLEMENT CONTROL PROTEIN (NMR)	NORMAN, BARLOW, CAMPBELL	11/90 P
4CNA	CONCAVALIN A / ALPHA-METHYL-MANNOSIDE	E. DEREWENDA ET AL.	10/90 P
1CMR	P-CRESOL METHYLHYDROXYLASE	F. S. MATHEWS	5/90 H
3CRO	CRO/20 BASE PAIR DNA CONTAINING OR1	A. MONDRAGON, S. HARRISON	7/90 P
4CRO	CRO (BACTERIOPHAGE LAMBDA) / 17 BP DNA OR3	B. MATTHEWS ET AL.	3/90 AP
1YCC	CYCLOCHROME C (YEAST, 150-1, REDUCED)	G. LOUIE, G. BRAYER	5/90 P
2YCC	CYCLOCHROME C (YEAST, 150-1, OXIDIZED)	A. BERSHUIS, G. BRAYER	1/91 P
1CCP	CYCLOCHROME C PEROXIDASE (YEAST)	J. KRAUT ET AL.	2/90 P
2CCP	CYCLOCHROME C PEROXIDASE MUTANT (D235N)	J. KRAUT ET AL.	2/90 P
3CCP	CYCLOCHROME C PEROXIDASE MUTANT (W191F)	J. KRAUT ET AL.	2/90 P
4CCP	CYCLOCHROME C PEROXIDASE MUTANT (W51F)	J. KRAUT ET AL.	2/90 P
4CFP	CYCLOCHROME P450CAM / ADAMANTANE	R. RAAG, T. POULOS	5/90 P
5CFP	CYCLOCHROME P450CAM / ADAMANTANONE	R. RAAG, T. POULOS	5/90 P
6CFP	CYCLOCHROME P450CAM / CAMPANE	R. RAAG, T. POULOS	5/90 P
7CFP	CYCLOCHROME P450CAM / NORCAMPBOR	R. RAAG, T. POULOS	5/90 P
8CFP	CYCLOCHROME P450CAM / THIOPAMPBOR	R. RAAG, T. POULOS	5/90 P
1DFM	*DEFENSIN B (HUMAN)	H. HELL, Y. EL, SELSTED, EISENBERG	1/91 P
1DRF	DIHYDROFLAVATE REDUCTASE (HUMAN) / FOLATE	OPFENB, V. ARCY, M. WINKLER	2/89 P
4ANA	A-DNA (ATCGAATGCT)	R. CHANDRASEKHARAN	2/89 P
1BDN	DNA (CGCAAAATGCG)	DIGABRIELE, SANDERSON, STEITS	4/89 P
9BDN	DNA (CGCGAATTCGCG)	E. WESTHOF	2/90 P
18BN	DNA (GTACGTAC)	C. COURSEILLE ET AL.	3/90 P
2DBE	DNA (CGCGAATTCGCG) / BERENIL	D. BROWN, S. NEIDLE ET AL.	3/90 P
5DNB	DNA (CCACGCTGG)	G. PRIVE, R. DICKERSON	3/90 P
1NDN	DNA (D (CGGAAAACGCG) . D (CGGCTT) . D (TTCGCC)	H. COLL, A. RICH ET AL.	5/90 P
1DMN	DNA (CGCAAGTCGCG)	G. WEBSTER, S. NEIDLE ET AL.	6/90 P
1D15	DNA (CGATCG) / 4'-EP IADRIAMYCIN / SPERMINE	WILLIAMS, EGLI, FREDRICK, RICH	7/90 P
1D17	DNA (CGTACG) / NOGALAMYCIN	EBL, WILLIAMS, FREDRICK, RICH	7/90 P
1D18	DNA (CGCAAGTC) (NMR)	LARSEN, BYKES	8/90 P
1D19	DNA (GTACGTAC) (NMR)	J. BALEJA, B. SYKES	8/90 P
1D20	DNA (TCTACTACCG) (NMR)	J. BALEJA, B. SYKES	8/90 P
1D21	DNA (CGT+ACG) / NOGALAMYCIN	WANG, LIAN, GAO, ROBINSON	8/90 P
1D22	DNA (CGT+ACG) / U58872	WANG, LIAN, GAO, ROBINSON	8/90 P
1D23	DNA (CGATCGATCG)	K. YANAGI, R. DICKERSON	8/90 P
1D24	DNA (CGC) (GCG) (GCG)	S. GINELL ET AL.	8/90 P
1D25	DNA (CGCGCG (5MC) TGG)	U. HEINEMANN	9/90 P
1D26	DNA (CGCGCG (G3P) GCG)	U. HEINEMANN	9/90 P
1D27	DNA (CGCG (GMBG) AATTGCG)	G. LEONARD ET AL.	9/90 P
1D28	DNA (CGCG (GMBG) TCGCG)	G. GINELL ET AL.	12/90 P
1D29	DNA (CGCGAATTCACG, SYNTHETIC, 0 DEG C)	LARSEN, BYKES, DICKERSON	1/91 P
1D30	DNA (CGCGAATTCGCG, SYNTHETIC) / DAPI	LARSEN, DICKERSON ET AL.	1/91 P
1D31	DNA (CGCGAATTCGCG)	L. JOSUA-TOR, J. SUSSMAN	1/91 P
1D32	DNA (CGCG) / DITERCALINIUM	A. RICH ET AL.	1/91 P
4EST	ELASTASE / DIFLUOROKETONE INHIBITR COMPLEX	E. MEYER JR. ET AL.	5/89 H
5EST	ELASTASE / BORONIC ACID INHIBITOR COMPLEX	E. MEYER JR. ET AL.	5/89 H
6EST	ELASTASE	T. PRANGE, I. LI DE LA SIERRA	6/90 P
7EST	ELASTASE / TPIA	T. PRANGE, I. LI DE LA SIERRA	6/90 P
8EST	ELASTASE / GUANIDINIUM ISOCOUMARIN	R. RADHAKRISHNAN, E. MEYER JR	2/90 H
9EST	ELASTASE (PORCINE) / PEP-TIDYL BENZYLALDOSE	E. MEYER JR. ET AL.	1/91 H
2R1B	ECO RI ENDONUCLEASE / TCGCGAATTCGCG	J. ROSENBERG	9/90 P
5ER2	*ENDOTRIAPEPSIN / CP-69, 799 COMPLEX	T. BLUNDELL ET AL.	1/91 N
3ER3	*ENDOTRIAPEPSIN / CP-71, 362 COMPLEX	T. BLUNDELL ET AL.	1/91 N
4ER4	*ENDOTRIAPEPSIN / B-142 COMPLEX	T. BLUNDELL ET AL.	1/91 N
3ER5	*ENDOTRIAPEPSIN / B-189 COMPLEX	T. BLUNDELL ET AL.	1/91 N
1ER8	*ENDOTRIAPEPSIN / B-77 COMPLEX	T. BLUNDELL ET AL.	10/89 N
3ENL	ENOLASE (YEAST)	L. LEBTODA	11/90 RP
4ENL	ENOLASE (YEAST) / ZN	L. LEBTODA	11/90 P
5ENL	ENOLASE / CA2+ / 2-PROSPHO-D-GLYCERIC ACID	L. LEBTODA	11/90 P
6ENL	ENOLASE (YEAST) / EN2 / PROSPHOGLYCOLATE	L. LEBTODA	11/90 P
7ENL	ENOLASE (YEAST) / MG2+ / 2-PROSPHO-D-GLYCERATE	L. LEBTODA	11/90 P
2FEB	FERRIC OXIDIN (B. FERROPROTEOLYTICUS)	FUKUYAMA, TSUKIHARA, KATSUBE	2/90 RP
1FK1	FERRIDOXIN I (ANABAEANA SACRAM)	T. TSUKIHARA	8/90 P
1FKA	*FERRIDOXIN (ANABAEANA 7120)	H. HOLDEN	6/90 P
1FNR	FERRIDOXIN REDUCTASE (SP INACH)	P. KARPLUS, DANIELS, HERRIOTT	1/91 P
2FNR	FERRIDOXIN REDUCTASE / 2'-PROSPHO-5'-AMP	P. KARPLUS, DANIELS, HERRIOTT	6/90 P
1FHA	*FERRITIN (HUMAN, B CHAIN)	P. ARTYMIUK, P. HARRISON	12/90 P
1FPA	*FIBRINOPEPTIDE A FRAGMENT (NMR)	F. N.I., K. GIBSON, R. SCHERRAGA	11/90 P
2FPA	*FIBRINOPEPTIDE A FRAGMENT MUTANT (G12V) (NMR)	F. N.I., K. GIBSON, R. SCHERRAGA	11/90 P
1FCF	*FIBROBLAST GROWTH FACTOR (HUMAN)	A. E. ERIKSON, B. MATTHEWS	1/91 P
1FCR	*FLAVODOXIN (CHONDRUS CRISPUS)	K. FUKUYAMA	2/90 P
2FK1	*FLAVODOXIN (D. VULGARIS, ROOM TEMPERATURE)	W. WATT, K. WATENPAUGH	1/91 P
3FK1	*FLAVODOXIN (D. VULGARIS, -150C, OXIDIZED)	W. WATT, K. WATENPAUGH	1/91 P
4FK1	*FLAVODOXIN (D. VULGARIS, -150C, SEMIQUINONE)	W. WATT, K. WATENPAUGH	1/91 P
5FK1	*FLAVODOXIN (D. VULGARIS, -150C, HYDROQUINONE)	W. WATT, K. WATENPAUGH	1/91 P
1FBP	FRUCTOSE-1, 6-BISPHOSPHATASE / F6P / AMP / MG	H. KE, Y. SHANG, W. LIPSCOMB	5/90 P
2FBP	FRUCTOSE-1, 6-BISPHOSPHATASE	W. LIPSCOMB ET AL.	6/90 P
3FBP	FRUCTOSE-1, 6-BISPHOSPHATASE / F6P	W. LIPSCOMB ET AL.	6/90 P
3GBP	GALACTOSE-BINDING PROTEIN	S. MOWBRAY	1/90 RP
1GSG	GLUTAMINYL-TRNA SYNTHETASE / GLUTAMINE-TRNAT. STEITS ET AL.		4/90 AP
4CR1	GLUTATHIONE REDUCTASE / RETRO-GSSG	G. SCHULE, W. JAMES	3/90 P
1GPA	GLYCOCYGEN PHOSPHORYLASE A (R STATE)	BARFORD, HU, JOHNSON	11/90 H
1GPB	GLYCOCYGEN PHOSPHORYLASE B	JOHNSON, ACHARYA, STUART	6/90 P
2GPB	GLYCOCYGEN PHOSPHORYLASE B / GLC	J. MARTIN, L. JOHNSON	6/90 P
3GPB	GLYCOCYGEN PHOSPHORYLASE B / GIP	J. MARTIN, L. JOHNSON	6/90 P
4GPB	GLYCOCYGEN PHOSPHORYLASE B / GFP	J. MARTIN, L. JOHNSON	6/90 P
5GPB	GLYCOCYGEN PHOSPHORYLASE B / GMP / GLC	J. MARTIN, L. JOHNSON	6/90 P
6GPB	GLYCOCYGEN PHOSPHORYLASE B / H2P	L. JOHNSON, K. ACHARYA	6/90 P
7GPB	GLYCOCYGEN PHOSPHORYLASE B (R STATE) / AMP	BARFORD, HU, JOHNSON	11/90 H
8GPB	GLYCOCYGEN PHOSPHORYLASE B (T STATE) / AMP	BARFORD, HU, JOHNSON	11/90 H
9GPB	*GLYCOCYGEN PHOSPHORYLASE B (R STATE)	BARFORD, JOHNSON	10/89 H
2GMA	GRAMICIDIN A	B. WALLACE, K. RAVIKUMAR	12/90 N
2BHQ	HEMERYTHRIN (MET)	M. HOLMES, R. STEINKAMP	10/90 RP
2BHS	HEMERYTHRIN (AIDOMET)	M. HOLMES, R. STEINKAMP	10/90 RP
4BHD	HEMERYTHRIN (DEOXY)	R. STEINKAMP ET AL.	10/90 P
1BHO	HEMERYTHRIN (OXY)	R. STEINKAMP ET AL.	10/90 P
1NH	HEMOGLOBIN (ALPHA-NICKEL, BETA-FERROUS)	B. LUISI, B. LIDDINGTON	3/90 P
1SDH	HEMOGLOBIN (SCAPHARCA, DIMERIC, CO)	ROYER, HENDRICKS, CHIANCONI	10/89 P
2SDH	HEMOGLOBIN (SCAPHARCA, DIMERIC, DEOXY)	ROYER, HENDRICKS, CHIANCONI	1/91 P
1BRG	*HIRUDIN (C TERMINAL FRAGMENT) (NMR)	F. N.I., K. GIBSON, R. SCHERRAGA	11/90 P
5BVP	HIV-1 PROTEASE / ACETYL-P-STATIN COMPLEX	T. FITZGERALD ET AL.	4/90 P
6BVP	HIV-1 PROTEASE	T. BLUNDELL ET AL.	5/90 P
7BVP	HIV-1 PROTEASE / INHIBITOR JG-365	A. WLODAMER ET AL.	9/90 P
8BVP	HIV-1 PROTEASE / INHIBITOR U-85548E	A. WLODAMER ET AL.	10/90 P
9BVP	HIV-1 PROTEASE / INHIBITOR A-74704	D. REILLY, M. J. BRADY	11/90 P
1FDL	FAB (IGG, D1, 3) COMPLEX WITH ISOZYME	T. FISCHMANN, R. POLJAK ET AL	8/90 P
6FAB	*FAB 36-71 (MURINE ANTI-PHENYLARSINATE)	R. STRONG ET AL.	1/91 P
4MCG	IGG B-J MCG / BIS-DINITROPHENYLLYSINE	EMUNDSON, ELY, HE, HERRON	1/90 P
5MCG	IGG B-J MCG / BETA-CASOMORPHIN-7	EMUNDSON, ELY, HERRN, CHESON	1/90 P
6MCG	IGG B-J MCG / MET-ENKEPHALIN-ARG-8-PHE-	EMUNDSON, ELY, HE, HERRON	1/90 P
7MCG	IGG B-J MCG / BIS-DINITROPHENYLLYSINE	EMUNDSON, ELY, HE, HERRON	1/90 P
5INS	INSULIN (PIG, CUBIC)	J. BADGER, G. DOOSON	7/90 P
2GF1	*INSULIN-LIKE GROWTH FACTOR 1 (NMR, AVERAGE)	COOKE, HARVEY, CAMPBELL	1/91 P
3GF1	*INSULIN-LIKE GROWTH FACTOR 1 (NMR, 10 STR)	COOKE, HARVEY, CAMPBELL	1/91 P
11IA	INTERLEUKIN 1A (HUMAN)	B. GRAVES, H. BATA	11/89 AH
11IB	INTERLEUKIN 1B (HUMAN)	DUPONT PROTEIN CRYSTALLGRPY	1/91 P
611B	*INTERLEUKIN 1B (HUMAN) (NMR, AVERAGED STRC)	CLORE, WINGFIELD, GROENBORN	1/91 P
711B	*INTERLEUKIN 1B (HUMAN) (NMR, 32 STRUCTURES)	CLORE, WINGFIELD, GROENBORN	1/91 P
811B	*INTERLEUKIN 1B (MOUSE)	DUPONT PROTEIN CRYSTALLGRPY	1/91 P
311B	*INTERLEUKIN 8	A. WLODAMER	12/90 P
1IFB	*INTESTINAL FATY ACID BINDING PROTEIN	SACCHETTINI, BANASAK, GORDN12	9/90 P
2IFB	*FATTY ACID BINDING PROTEIN / PALMITIC ACIDS	SACCHETTINI, BANASAK, GORDN12	9/90 P
5ICD	ISOCITRATE DEHYDROGENASE / MG ISOCITRATE	BURLEY, ROHLAND, STROUD	5/90 P
6ICD	ISOCITRATE DEHYDROGENASE MUTANT (S113D)	SOHL, ROHLAND, STROUD	5/90 P
7ICD	ISOCITRATE DEHYDROGENASE MUTANT (S113E)	BURLEY, ROHLAND, STROUD	5/90 P
8ICD	ISOCITRATE DEHYDROGENASE (S113E) / MG	ISCHRYER, ROHLAND, STROUD	5/90 P
11AP	LEUCINE AMINOPEPTIDASE (BOVINE LENS)	BURLEY, DAVD, TAYLR, LIPSCOMB	8/90 H
11TA	LEUCINE EPPER (GCN4 TAP) (NMR, 20 STRCS)	A. PASTORE ET AL.	10/90 P
11AD	LIPOMIDE DEHYDROGENASE (A. VINELANDAI)	MATTEVI, SCHERBEEK, VOL	9/90 P
4LYM	*LYSOZYME (HEN, LOW HUMIDITY, TETRAONAL)	KODANDAPANI, SURESH, BIJAYAN	7/90 P
4LYM	*LYSOZYME (74) (HIGH SALT)	B. MATTHEWS ET AL.	1/91 P
5LYM	*LYSOZYME (74) (MEDIUM SALT)	B. MATTHEWS ET AL.	1/91 P
6LYM	*LYSOZYME (74) (LOW SALT)	B. MATTHEWS ET AL.	1/91 P
7LYM	*LYSOZYME (74) (DITHIOERITOL)	B. MATTHEWS ET AL.	1/91 P
1136	*LYSOZYME (74) MUTANT (E128A, V131A, N132A)	X. ZHANG, W. BAASE, B. MATTHEWS	12/90 P
1137	*LYSOZYME (74) MUTANT (T115E)	S. DAOPIIN, B. MATTHEWS	1/91 P
1138	*LYSOZYME (74) MUTANT (Q123E)	S. DAOPIIN, B. MATTHEWS	1/91 P
1139	*LYSOZYME (74) MUTANT (N144E, C547, C97A)	S. DAOPIIN, B. MATTHEWS	1/91 P
1140	*LYSOZYME (74) MUTANT (N144E, C547, C97A)	S. DAOPIIN, B. MATTHEWS	1/91 P
1141	*LYSOZYME (74) MUTANT (R83H, A112D, C547, C97A)	S. DAOPIIN, B. MATTHEWS	1/91 P
1142	*LYSOZYME (74) MUTANT (K16E)	S. DAOPIIN, B. MATTHEWS	1/91 P
1143	*LYSOZYME (74) MUTANT (K16E)	S. DAOPIIN, B. MATTHEWS	1/91 P
1144	*LYSOZYME (74) MUTANT (R119E)	S. DAOPIIN, B. MATTHEWS	1/91 P
1145	*LYSOZYME (74) MUTANT (K135E)	S. DAOPIIN, B. MATTHEWS	1/91 P
1146	*LYSOZYME (74) MUTANT (K147E)	S. DAOPIIN, B. MATTHEWS	1/91 P
1147	*LYSOZYME (74) MUTANT (R15E)	S. DAOPIIN, B. MATTHEWS	1/91 P
1148	*LYSOZYME (74) MUTANT (A98V)	S. DAOPIIN, B. MATTHEWS	1/91 P
1149	*LYSOZYME (74) MUTANT (A98V, Y152E)	S. DAOPIIN, B. MATTHEWS	1/91 P

9RUB	*RUBISCO (R. RUBRUM) /RUBULOSE-1,5-BISPHSPHT. LUNQVIST, G. SCHNEIDER	11/90	H	R3F1X1F	*FLAVODOXIN (D. VULGARIS, -150C, OXIDISED)	W. WATT, K. WATENPAUGE	1/91	S	
7KXN	RUBREDOXIN (DESULFOVIBRIO VULGARIS)	E. ADMAN, L. SIEKER, L. JENSEN	5/90	RP	R4F1X1F	*FLAVODOXIN (D. VULGARIS, -150C, SEMIQUINONE)	W. WATT, K. WATENPAUGE	1/91	S
39GA	PROTEINASE A (STREPTOMYCES GRISEUS) /INHBTA. SIELECKI, M. JAMES	5/90	P	R5F1X1F	*FLAVODOXIN (D. VULGARIS, -150C, HYDROQUINONE)	W. WATT, K. WATENPAUGE	1/91	S	
48GA	PROTEINASE A (STREPTOMYCES GRISEUS) /INHBTA. SIELECKI, M. JAMES	5/90	P	R4G1R1F	GLUTATHIONE REDUCTASE/RETRO-GSSG	G. SCHULZ, W. JAMES	3/90	S	
58GA	PROTEINASE A (STREPTOMYCES GRISEUS) /INHBTA. SIELECKI, M. JAMES	5/90	P	R2H9Q1F	HEMERTHERIN (MET)	M. HOLMES, R. STENKAMP	10/90	S	
18FT	*COMACTOCIN (BOVINE GROWTH HORMONE)	CARLACCI, CHOU, MAGGIORA	2/91	F	R2H8S1F	HEMERTHERIN (AS10MET)	M. HOLMES, R. STENKAMP	10/90	S
18HM	STAPH NUCLEASE MUTANT (E43D)	F. LOLL, E. LATTMAN	2/90	F	R1B8S1F	HEMERTHERIN (DOXY)	R. STENKAMP ET AL.	10/90	S
25T1	SUBTILISIN (B5A)	R. BOTT ET AL.	5/90	F	R1B8O1F	HEMERTHERIN (OKY)	R. STENKAMP ET AL.	10/90	S
15T2	SUBTILISIN (B5A0X)	R. BOTT ET AL.	3/90	F	R1S0S1F	HMOGLOBIN (SCAPHARCA, DIMERIC, CO)	M. ROYER ET AL.	10/89	S
18DP	FE SUPEROXIDE DISMUTASE (PSEUDOMONAS OVALIS)	STODDARD, RINGE, PETSKO	2/90	F	R2S0H1F	HMOGLOBIN (SCAPHARCA, DIMERIC, DEOXY)	M. ROYER ET AL.	1/91	S
380D	SUPEROXIDE DISMUTASE (BOVINE)	J. TAINER ET AL.	6/90	F	R5I8S1F	INSULIN (PG, CUBIC)	J. BADGER, G. DODSON	9/90	S
37AA	TAKA-AMYLASE (ASPERGILLUS ORYZAE)	H. SWIFT ET AL.	3/90	AP	R8L0S1F	APC-M4-LACTATE DEHYDROGENASE/CITRATE	M. ROSSMANN ET AL.	1/88	S
3A1T	TENDAMISTAT (NMR)	K. WUETTRICH ET AL.	5/90	P	R7L0S1F	LACTATE DEHYDROGENASE COMPLEXES	M. ROSSMANN ET AL.	1/88	S
27EC	THEMIDILATE/EGLIN-C COMPLEX (5MM CACL2)	GROS, BETTEL, DAUTER	10/90	P	R6L0S1F	APC-M4-LACTATE DEHYDROGENASE (DOG FISH)	M. ROSSMANN ET AL.	11/87	S
37EC	THEMIDILATE/EGLIN-C COMPLEX (100MM CACL2)	P. GROS, W. HOL	10/90	P	R1L0M1F	LACTATE DEHYDROGENASE/NADH/OKAMATE (DOG F)	J. GRIFFITH, M. ROSSMANN	11/87	S
12EX	THIOREDOKIN (N-TERMINAL HALF-MOLECULE)	R. SARRA, P. LINDLEY	8/90	F	R1L0A1F	LIPICAMIDE DEHYDROGENASE (BOVINE LENS)	W. LIPSCHOMB ET AL.	8/90	SH
27RX	THIOREDOKIN (ESCHERICHIA COLI)	KATTI, LEHMASTER, EKLUND	3/90	F	R1L0A1F	LIPICAMIDE DEHYDROGENASE (A. VINELANDII)	WATTEVI, SCHIERBEK, HOL	9/90	S
37RX	*THIOREDOKIN (HUMAN, NMR, MIN AVERAGE)	FORMAN-KAY, CLORE, GRONENBORN/2	9/90	P	R2L0M1F	LYSOZYME (HEN EGG-WHITE, 1 ATM)	C. KUNDRDT, F. RICHARDS	5/90	S
47RX	*THIOREDOKIN (HUMAN, NMR, 33 STRUCTURES)	FORMAN-KAY, CLORE, GRONENBORN/2	9/90	P	R3L0M1F	LYSOZYME (HEN EGG-WHITE, 1000 ATM)	C. KUNDRDT, F. RICHARDS	5/90	S
17MS	THYMIDYLATE SYNTHETASE (E. COLI)	J. FINER-MOORE	4/90	H	R4L2M1F	LYSOZYME (HEN, LOW HUMIDITY, TETRAAGONAL)	VIJAYAN ET AL.	7/90	S
27MS	THYMIDYLATE SYNTHETASE (L. CASEI)	J. FINER-MOORE, R. STROUD	10/90	F	R1M0M1F	MACROBIOCYCIN	P. VAN ROEY	9/89	S
17SC	THYMIDYLATE SYNTHETASE COMPLEX (E. COLI)	J. FINER-MOORE	4/90	H	R5M8A1F	*MET MYOGLOBIN (A. LIMACINA) /ASIDE PH 7.0	M. BOLOGNESI ET AL.	1/91	S
17PT	THYMIDINE PHOSPHORYLASE/THYMINE/SO4	S. ZALICK ET AL.	6/90	AP	R2M8S1F	MYOGLOBIN	NUNES, SCHOENBORN ET ALI0/89	S	
1ATX	TOXIN ATX IA (SEA ANEMONE) (NMR, 8 STRCTRS)	K. WUETTRICH ET AL.	5/90	P	R1M111F	MYOGLOBIN MUTANT (R45R, C110A) (HUMAN)	S. HUBBARD	3/90	S
57RA	TRANSFER RNA (YEAST, SER)	A. DUCK-BREZGON	2/90	F	R6P211F	C-H-RAS P21 PROTEIN	S.-H. KIM	5/90	SH
12FD	TRANSFERIN (N-TERMINAL HALF-MOLECULE)	R. SARRA, P. LINDLEY	8/90	F	R7P211F	C-H-RAS P21 PROTEIN MUTANT (G12V)	S.-H. KIM	5/90	SH
17GP	TRANSFORMING GROWTH FACTOR ALPHA (NMR, 3)	T. KLINKE ET AL.	6/90	F	R8P211F	C-H-RAS P21 PROTEIN/GDP-CP	S.-H. KIM	5/90	SH
27GF	*TRANSFORMING GROWTH FACTOR (NMR, AVERAGE)	I. CAMPBELL ET AL.	1/91	P	R4B2P1F	*PROPHOSPHOLIPASE A2 (BOVINE)	DUPONT PROTEIN CRYSTALL	1/91	S
37GF	*TRANSFORMING GROWTH FACTOR (NMR, 4 STRCTS)	I. CAMPBELL ET AL.	1/91	P	R4P2P1F	PROPHOSPHOLIPASE A2 (PORCINE)	DUPONT PROTEIN CRYSTALL/1/90	S	
27GL	*TRICACLYLGLYCEROL LIPASE/INIBITOR	VANDIEPEN, DEREMENDA ET AL.1/10	9/90	P	R7PCY1F	FLAOSTATININ (ENTEROMORPHA, CU2+)	COLLYER, GUSS, FREEMAN	9/89	S
27IM	TRIOSE PHOSPHATE ISOMERASE (TRYPANOSOMA)	R. WIERENGA, M. HOL ET AL.	5/90	P	R2P8K1F	PROTEINASE K (TRITIRACHION ALBUM LIMBER)	BETTEL, PAL, SAENGER	11/87	SH
37IM	TRIOSE PHOSPHATE ISOMERASE (SULFATE-FREE)	R. WIERENGA, NOBLE, HOL ET AL.	5/90	H	R1P8P1F	PURINE NUCLEOSIDE PHOSPHORYLASE (HUMAN)	S. ZALICK ET AL.	11/89	SH
37PI	*TIM (YEAST) MUTANT (E.95Q) /PGE	E. LOLLIS, G. PETSKO	1/91	P	R1SAR1F	*RIBONUCLEASE SA (STREP. AUREOFACIENS)	SEVCIK, DODSON, DODSON	1/91	S
17AB	TRYPSIN/BOHMAN-BIRK INHIBITOR AB-I	J. TSUNOGAE ET AL.	10/90	P	R2SAR1F	*RIBONUCLEASE SA (STREP. AUREOFACIENS) /GMP	SEVCIK, DODSON, DODSON	1/91	S
7PTI	TRYPSIN INHIBITOR MUTANT (C30A, C15A)	EIGENBROT, RANDAL, KOSSIAKFF	3/90	P	R7X8H1F	RUBREDOXIN (DESULFOVIBRIO VULGARIS)	ADMAN, SIEKER, JENSEN	5/90	S
8PTI	TRYPSIN INHIBITOR MUTANT (I35G)	D. ROUSSET	12/90	P	R1S8H1F	STAPH NUCLEASE MUTANT (E43D)	F. LOLL, E. LATTMAN	2/90	S
12TI	TRYPSIN INHIBITOR ETI II (NMR)	B. CASTRO ET AL.	1/90	F	R2P8K1F	SUPEROXIDE DISMUTASE (BOVINE)	J. BALEJA, B. SYKES	8/90	S
1CTI	TRYPSIN INHIBITOR (NMR, MIN AVRGD STRUCTR)	T. HOLAK ET AL.	8/90	P	R1T8C1F	TR2C FRAGMENT OF CALMODULIN	L. SJOLIN ET AL.	1/90	S
2CTI	TRYPSIN INHIBITOR (NMR, 5 STRUCTURES)	T. HOLAK ET AL.	8/90	P	R6K1A1F	XYLOSE ISOMERASE (STREPTOMYCES ALBUS)	DAUTER, TERRY, WILSON	9/90	S
17RC	TR2C FRAGMENT OF CALMODULIN	L. SJOLIN ET AL.	1/90	N	R1R1A1F	RHINOVIUS IA	M. ROSSMANN ET AL.	12/88	S
1VSG	VARIANT SURFACE GLYCOPROTEIN (N-TERM DMN)	D. FREYMAN, J. DOWN, D. WILEY	10/90	P	R1R0U1F	RHINOVIUS MUTANT ((1) C199Y)	M. ROSSMANN ET AL.	10/88	S
6XIA	XYLOSE ISOMERASE (STREPTOMYCES ALBUS)	Z. DAUTER, H. TERRY, K. WILSON	9/90	P	R2M0U1F	RHINOVIUS MUTANT ((1) V188L)	M. ROSSMANN ET AL.	10/88	S
7XIA	D-XYLOSE ISOMERASE (S. RUBIGINOSUS)	H. CARRELL ET AL.	10/90	RP	R2R1S1F	RHINOVIUS/ANTIVIRAL AGENT 1R COMPLEX	M. ROSSMANN ET AL.	10/88	S
8XIA	D-XYLOSE ISOMERASE (S. RUBIGINOSUS) /D-XYLOSE	H. CARRELL ET AL.	10/90	RP	R2R1S1F	RHINOVIUS/ANTIVIRAL AGENT 1S COMPLEX	M. ROSSMANN ET AL.	10/88	S
9XIA	D-XYLOSE ISOMERASE (S. RUBIGINOSUS) /INHB	H. CARRELL ET AL.	10/90	RP	R2R2S1F	RHINOVIUS/ANTIVIRAL AGENT 2 COMPLEX	M. ROSSMANN ET AL.	10/88	S
12PY	YARVIVIRUS (CANINE)	M. ROSSMANN ET AL.	11/90	P	R2R3S1F	RHINOVIUS/ANTIVIRAL AGENT 3S COMPLEX	M. ROSSMANN ET AL.	10/88	S
1809	RHINOVIUS 14/R61837	M. ROSSMANN ET AL.	5/90	P	R2R041F	RHINOVIUS/ANTIVIRAL AGENT 4 COMPLEX	M. ROSSMANN ET AL.	10/88	S
18NF	5'INC FINGER (NMR)	P. WRIGHT	9/89	P	R2R5S1F	RHINOVIUS/ANTIVIRAL AGENT 5S COMPLEX	M. ROSSMANN ET AL.	10/88	S
28NF	5'INC FINGER (NMR, 16 STRUCTURES)	SUMMERS, SOUTH, KIM, HARE	3/90	P	R2R061F	RHINOVIUS/ANTIVIRAL AGENT 6 COMPLEX	M. ROSSMANN ET AL.	10/88	S
38NF	5'INC FINGER (NMR, MINIMUM AVERAGE)	G. CLORE, A. GRONENBORN	7/90	P	R2R071F	RHINOVIUS/ANTIVIRAL AGENT 7 COMPLEX	M. ROSSMANN ET AL.	10/88	S
48NF	5'INC FINGER (NMR, 40 STRUCTURES)	G. CLORE, A. GRONENBORN	7/90	P	R1R081F	RHINOVIUS/ANTIVIRAL AGENT 8 COMPLEX	M. ROSSMANN ET AL.	10/88	S
58NA	*DNA (5, GCGGGGGGGGGGGGG) MODEL	A. ANSEVIN, A. WANG	2/91	P	R1ACP1R	ACYL CARRIER PROTEIN (NMR)	J. PRESTEGARD, Y. KIM	7/90	M
17LX	FELIX (DESIGNED PROTEIN) 2 MODELS	QUINN, RICHARDSON, RICHARDSON	7/90	P	R1CBT1R	CHARYBDEOTOXIN (NMR)	M. WILLIAMSON, V. MADISON	6/90	M
18DL	DELTA HEMOLYSIN (STAPH. AUREUS) MODELS	G. KAGHURATIAN, H. R. GUY	7/90	P	R1CSA1R	COMPLEMENT C5A (DES-ARG) (NMR)	M. WILLIAMSON, V. MADISON	6/90	M
21GE	IMMUNOGLOBULIN B (FC FRAGMENT) MODEL	E. PADLAN, B. REIM	10/90	P	R1HCC1R	*167R COMPLEMENT CONTROL PROTEIN (NMR)	NORMAN, BARLOW, CAMPBELL/1/90	M	
17AI	PROTEIN C INHIBITOR (2 MODELS)	L. KUHN, C. FISHER, J. TAINER	7/90	P	R1D181R	DNA (CATCGTAC) (NMR)	J. BALEJA, B. SYKES	8/90	M
18DG	SORBITOL DEHYDROGENASE MODEL	H. EKLUND ET AL.	8/90	P	R1D191R	DNA (GTACGTCAC) (NMR)	J. BALEJA, B. SYKES	8/90	M
R4APR1F	ACID PROTEASE (R. PEPSIN) /INIBITOR	K. SUGUNA, D. DAVIES	8/89	S	R2G1F1R	*INSULIN-LIKE GROWTH FACTOR 1 (NMR)	COOKE, HARVEY, CAMPBELL	1/91	M
R5APR1F	ACID PROTEASE (R. PEPSIN) /INIBITOR	K. SUGUNA, D. DAVIES	8/89	S	R6I1B1R	*INTERLEUKIN 1B (HUMAN) (NMR)	CLORE, GRONENBORN ET AL	1/91	M
R6APR1F	ACID PROTEASE (R. PEPSIN) /INIBITOR	K. SUGUNA, D. DAVIES	8/89	S	R1E1A1R	LEUCINE ZIPPER (GCM4 TAP) (NMR)	A. PASTORE ET AL.	10/90	M
R1AL11F	ALPHA-1 (SYNTHETIC PEPTIDE)	C. HILL ET AL.	7/90	S	R1MUR1R	METALLOTHIONEIN (HUMAN) (NMR)	K. WUETTRICH ET AL.	5/90	M
R1ACH1F	*ALPHA ANTICHYMOTRYPSIN (HUMAN)	BAUMANN, HUBER ET AL.	1/91	SH	R1MRB1R	METALLOTHIONEIN (RABBIT) (NMR)	K. WUETTRICH ET AL.	5/90	M
R3AAT1F	*ASPARTATE AMINOTRANSFERASE MUTANT R386F	DANSRFSKY, RINGE, PETSKO/2	9/90	S	R1MRM1R	METALLOTHIONEIN (RAT) (NMR)	K. WUETTRICH ET AL.	5/90	M
R3CRO1F	CRO/20 BASE PAIR DNA CONTAINING ORI	A. MONDRAGON, S. HARRISON	7/90	S	R1S1B1R	NEUROPOXIN 1 (NMR)	R. POGE, R. NORTON	5/90	M
R4CRO1F	CRO (BACTERIOPHAGE LAMBDA) /17 SP DNA OR3	B. MATTHEWS ET AL.	9/90	S	R1BUS1R	PROTEINASE INHIBITOR IIA (NMR)	K. WUETTRICH ET AL.	5/90	M
R2YCC1F	*CYTOCHROME C (YEAST, ISO-1, OXIDISED)	D. EISENBERG, G. BRAYER	1/91	S	R2TRM1R	*THIOREDOKIN (HUMAN, NMR)	CLORE, GRONENBORN ET ALI2/90	M	
R1DPM1F	*DEFENSIN BNP-3 (HUMAN)	D. EISENBERG ET AL.	1/91	S	R1ATD1R	TOXIN ATX IA (SEA ANEMONE) (NMR)	K. WUETTRICH ET AL.	5/90	M
R1B0N1F	DNA (CGCAAAAATGCG)	T. STEITS ET AL.	4/89	S	R2GTF1R	*TRANSFORMING GROWTH FACTOR (NMR)	I. CAMPBELL ET AL.	1/91	M
R2B0N1F	DNA (CGCAAAAATGCG, BROMINATED)	T. STEITS ET AL.	4/89	S	R1E1T1R	TRYPSIN INHIBITOR ETI II (NMR)	B. CASTRO ET AL.	1/90	M
R180N1F	DNA (GTACGTAC)	C. COURSEILLE ET AL.	3/90	S	R1SFM1R	ZINC FINGER (NMR)	P. WRIGHT	9/89	M
R5DNB1F	DNA (CGACGTTGG)	G. PRIVE, R. DICKERSON	3/90	S	R3ENF1R	ZINC FINGER (NMR)	G. CLORE, A. GRONENBORN	7/90	M
R1D231F	DNA (CGATCGATCG)	K. YANAGI, R. DICKERSON	8/90	S					
R1D241F	DNA (CGGCGCG)	S. GINELL	8/90	S					
R1D251F	DNA (CGAGCG (5MC) TGG)	U. HEINEMANN ET AL.	9/90	S					
R1D261F	DNA (GCCC (GSP) GGC)	U. HEINEMANN ET AL.	9/90	S					
R1D271F	DNA (CC (GMEG) AMTTGGC)	G. LEONARD ET AL.	9/90	S					
R1D281F	*DNA (CGCGAATTCAC)	S. GINELL ET AL.	12/90	S					
R1D291F	*DNA (CGCGAATTCACG, SYNTHETIC, 0 DEG C)	LARSEN, KOPKA, DICKERSON	1/91	S					
R1D301F	*DNA (CGCGAATTCACG, SYNTHETIC) /DAP I	LARSEN, DICKERSON ET AL	1/91	S					
R4E2T1F	ELASTASE/DIFLUOROKETONE INHIBITR COMPLEX	E. MEYER JR. ET AL.	5/89	SH					
R5E2T1F	ELASTASE/BORONIC ACID INHIBITOR COMPLEX	E. MEYER JR. ET AL.	5/89	SH					
R3EBX1F	ERABUTOXIN B (SEA SNAKE)	B. LOW ET AL.	1/88	SH					
R1FXI1F	FERREDOXIN I (APHANOTHECE SACRUM)	T. TSUKIHARA	8/90	S					
R1FCR1F	FLAVODOXIN (CHONDRUS CRISPUS)	K. FUKUYAMA	2/90	S					
R2FX11F	*FLAVODOXIN (D. VULGARIS, ROOM TEMPERATURE)	W. WATT, K. WATENPAUGE	1/91	S					

\* NEW OR REPLACEMENT ENTRY SINCE OCT-1990 NEWSLETTER

STATUS CODES

- A ALPHA CARBON ATOMS ONLY
- B BACKBONE ONLY
- H HOLD FOR DELAYED RELEASE AS REQUESTED BY DEPOSITOR
- M NMR RESTRAINTS AND OTHER NMR EXPERIMENTAL DATA
- N NEW ENTRY AWAITING APPROVAL BY DEPOSITOR
- P IN PREPARATION
- R REPLACEMENT FOR ENTRY IN TABLE 4
- S STRUCTURE FACTORS



Name	Date
Address	Telephone
	Electronic Mail
	FAX Number

Check or written purchase order must be made payable to Brookhaven National Laboratory (see Placing an Order)

**Items to be ordered (prices are valid until September 30, 1991)**

<b>MAGNETIC TAPE items from Table 1:</b>				
DATAPRTP (includes all coordinate entries)				
	6250 cpi	1600 cpi	TK50	150 Mbyte
VAX/VMS BACKUP	<input type="checkbox"/> \$345	<input type="checkbox"/> \$489	<input type="checkbox"/> \$408	
VAX/VMS COPY	<input type="checkbox"/> \$345	<input type="checkbox"/> \$489	<input type="checkbox"/> \$408	
Unlabelled ASCII	<input type="checkbox"/> \$345	<input type="checkbox"/> \$489		
Unlabelled EBCDIC	<input type="checkbox"/> \$345	<input type="checkbox"/> \$489		
IRIS cartridge <i>tar</i> tape				<input type="checkbox"/> \$322
SUN cartridge <i>tar</i> tape				<input type="checkbox"/> \$322
PDBPGMTP				
VAX/VMS COPY	<input type="checkbox"/> \$309	<input type="checkbox"/> \$309	<input type="checkbox"/> \$341	
STRUCTURE FACTOR TAPES each tape ordered costs \$309				
<input type="checkbox"/> NONST1TP	<input type="checkbox"/> NONST2TP	<input type="checkbox"/> NONST3TP	<input type="checkbox"/> NONST4TP	
<input type="checkbox"/> NONST5TP	<input type="checkbox"/> NONST6TP	<input type="checkbox"/> NONST7TP	<input type="checkbox"/> NONST8TP	
Choose one format for STRUCTURE FACTOR tapes				
Unlabelled ASCII	<input type="checkbox"/> 6250 cpi	<input type="checkbox"/> 1600 cpi		
Unlabelled EBCDIC	<input type="checkbox"/> 6250 cpi	<input type="checkbox"/> 1600 cpi		
NMR EXPERIMENTAL DATA ENTRIES each tape ordered costs \$309 (contact BNL for details)				
<input type="checkbox"/> NMRRS1TP				
MICROFICHE items (from Table 2). Each microfiche item costs \$450, postage included. Correction fiche are free.				
List Items requested:				
PRINTED LISTINGS . Each entry costs \$92, postage included.				
IDENT Code(s) (from Table 4) requested:				

Please total all the charges applicable to this order. All prices are expected to be valid through September 30, 1991. After that date please confirm prices.

Foreign air mail charges (charge of \$19 per tape item mailed outside U.S. and Canada)	
Magnetic tape charges:	
Microfiche charges:	
Printed listing charges:	
<b>TOTAL COST:</b>	

(continued on the next page)

DOCUMENTATION desired (no charge)

- Introduction to the Protein Data Bank (January 1990)
  - Latest Newsletter
  - Atomic Coordinate and Bibliographic Entry Format Description for DATAPRTP and DATAPRFI (March 1989)
  - Current DATAPRTP Directory
  - Sources of Visual Aids for Macromolecular Structure (February 1990)
  - Complete list of structure factor holdings
  - Detailed Contents and Format Description for Each Structure Factor Entry
  - Data Deposition Form
- 

#### PLACING AN ORDER

- Brookhaven requires the following before service is provided:

- Completed Order Form
- Self-Addressed Label
- Payment (use one of the methods listed below)

1. Check payable to **BROOKHAVEN NATIONAL LABORATORY** in U.S. dollars drawn on a U.S. Bank (foreign checks are no longer acceptable);
2. Purchase order payable to **BROOKHAVEN NATIONAL LABORATORY**
3. Wire transfer -- In order to use a wire transfer, Brookhaven must receive your purchase order first. After you receive your invoice, a wire transfer can be sent by your bank to:

Bank: Morgan Guarantee Trust Company of New York  
Account Name: Brookhaven National Laboratory  
Customer Account Number: 076-51-912

- Please send the required items to

BROOKHAVEN NATIONAL LABORATORY  
Chemistry Department - Bldg. 555  
Ms. P. A. Esposito  
Upton, New York 11973 USA

Telephone: 516-282-3629  
Facsimile: 516-282-5815

If using facsimile, the originals must also be sent to Brookhaven by mail

---