

Protein Data Bank

Quarterly Newsletter #59

January 1992

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To Contact The PDB

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January Update

The January 1992 issue of the PDB Newsletter was delayed due to reasons beyond our control. The tables included in this Newsletter pertain to the January 1992 release of the PDB. An April 1992 Newsletter will accompany the next PDB release.

The January 1992 PDB release includes 63 new atomic coordinate entries (see Table 3), bringing the total number of coordinate entries to 851. The size of the atomic coordinate and bibliographic entry database (DATAPRTP) is now 191 Mbytes. ☆

External Advisory Board

We are pleased to announce that two new members, Charles Bugg and Keith Watenpaugh, have been appointed to the PDB External Advisory Board. They join continuing board members Irwin Kuntz, Raymond Salemme, and Janet Thornton. ☆

PDB Staff News

Karen Bailey and Regina Shea are our newest additions on the PDB staff. Among her other duties, Karen has been receiving new data depositions--presently numbering 40-50 per month! Regina has been focusing on data management, collating and tracking all information related to pending atomic coordinate entries. ☆

New Internet Name and Address For Anonymous FTP Server

The Internet name and address of the UNIX system providing anonymous FTP service has been changed. The new name is `pdb.pdb.bnl.gov` and the address is `130.199.144.1`. ☆

Meeting Report: Format Upgrade Committee Enrique Abola

The initial meeting of the PDB Format Upgrade Committee was held on January 28-29 in Washington DC. The committee was convened to help the PDB implement a comprehensive upgrade of its interchange format in order to better serve the future needs of the community.

Included in this task is a close examination of the current contents of the PDB and how it represents results from structural studies on macromolecules.

An outcome of the Committee's discussion is the implementation of a number of changes to the current PDB format. As soon as possible, these modifications will be included in newly released entries:

New PDB record types:

1. A number of record types are being designed to easily correlate sequence information in PDB entries with that in the sequence databases. We will include a cross-reference to sequence databases by listing the appropriate accession identification codes. A table will also be provided that relates the sequence numbering scheme used by the depositor in the entry to a strictly ordinal numbering scheme.
2. We will add record types to be used in constructing multimeric macromolecules using both crystallographic and non-crystallographic symmetry operators.
3. We will add new atom connectivity records giving the full atom name, residue name, sequence number, etc., of bonded atoms. The current CONECT records giving connectivity in terms of atom serial numbers will still be provided as well.

Modifications to existing format specification rules:

1. REMARK 2 and REMARK 3 will be restructured making it possible to easily parse data resolution and structure refinement information out of these records.
2. TER records will be included at the end of every chain. This deviates from the current specification which requires that a TER record be included only when the chemically-determined terminal residue is present in the entry (i.e., C-terminus of the amino acid sequence for protein entries).
3. Atom serial numbers found in ATOM and HETATM records henceforth will be strictly ordinal in all cases. Atom serial number no longer will be used to indicate missing atoms.
4. Typesetting codes will be dropped. New entries may be distributed with both upper- and lower-case characters. The use of the codes `==super==` and `=sub=` to indicate superscripts and subscripts will be maintained. Greek letters will always be spelled out.

A complete revision of the interchange format should be expected within the next two years. PDB staff members will be discussing issues related to this project at

forthcoming scientific meetings. Suggestions and comments are welcome at all times and should be addressed to Enrique Abola. The PDB e-mail server and anonymous FTP will have details of the latest developments. ☆

Pre-release of Pending Entries Enrique Abola

The PDB is instituting new procedures designed to expedite the release of all status P atomic coordinate entries. A category of entries called "pre-release entries" will be available immediately on the PDB e-mail server and anonymous FTP as well as from affiliated distribution centers belonging to the Protein Data Bank Service Association (PDBSA).

The objective of pre-release is to make pending entries readily available to the scientific community. These entries contain atomic coordinate data and a limited number of PDB record types useful in identifying the deposition. All other details will be provided when the standard release entry becomes available.

Pre-release entries may not fully conform to the specifications given in the Protein Data Bank Atomic Coordinate and Bibliographic Entry Format Description. For example, residue and atom names for heterogens may not be in the PDB standard format. Changes to these names may therefore occur when the standard release entry becomes available.

The following checks have been made for all pre-release entries:

1. Amino acid sequence for proteins compared to the non-redundant sequence database using the GEN-INFO computing environment (National Center for Biotechnology Information, National Library of Medicine).
2. Stereochemistry including:
 - Bond distances and angles
 - Distortions of planar groups
 - Ramachandran plot
3. Crystal packing.

A visual check of each entry has been made using MidasPlus (Computer Graphics Laboratory, University of California, San Francisco).

In the future, submitted coordinate data sets will be made available through pre-release immediately after the above checks have been made and once depositors have given their approval to release the entry. ☆

A Case History Judy Callaway

Problem:

A coordinate set was found in the anonymous FTP new_uploads directory with no identification of any kind. We did not know who sent them, where they came from, or what structure these coordinates represented.

Solution:

We used MidasPlus to examine the structure and see if anyone could recognize the molecule. When this failed, we did a sequence match with PIR and found the molecule's name. We could then match it up to some other communications that had been deposited via the anonymous FTP....all's well that ends well.

Message to Depositors:

Please be sure to properly identify all communications since your transmissions may not reach us consecutively. It is most helpful if you can include a compound name or IDENT code; of course your own name is always appreciated. ☆

File Server and Anonymous FTP

The PDB has an e-mail file server available for your use. This server provides PDB general information and documentation files. For more information, send an e-mail message to fileserv@pb1.pdb.bnl.gov and include the following text:

send info your_e-mail_address.

The PDB has an anonymous FTP account available on the system pdb.pdb.bnl.gov with Internet address 130.199.144.1. It is possible to transfer files to and from this system using "anonymous" as the FTP user name and your real user name as the password. PDB general information and documentation files, as well as pre-release atomic coordinate entries, are available for downloading. You also can upload any files that you may wish to send to the PDB. Those using VMS may need to place quotes around file names.

Anyone experiencing problems or having questions related to the above network services is requested to send an e-mail message to skora@bnl.gov. ☆

To Contact The PDB

Please include your telephone number, facsimile number, mailing address, and e-mail address in all correspondence.

Mail: Protein Data Bank
Chemistry Dept., Building 555
Brookhaven National Laboratory
Upton, NY 11973 USA

Phone: 516-282-3629

Fax: 516-282-5751

e-mail: pdb@bnlchm.bitnet
or pdb@chm.chm.bnl.gov ☆

How To Deposit Guide

Karen Bailey

A PDB data deposition has three essential components, all of which must be received at Brookhaven before we can proceed to process a submission. These are:

1. *Deposition Form.* A PDB data deposition form must be completed. If you prefer, you may enter the relevant information in your computer and e-mail or FTP it to us. The deposition form is available via the PDB e-mail server or anonymous FTP. Please let us know if you would like us to mail you a printed copy of the data deposition form.

2. *Reprints and Preprints.* In order to complete our file on your structure, we must have copies of all relevant papers that are to be cited in your PDB entry. We realize that this means a bit of extra work for you, but it allows us to achieve significant time savings in processing your data.

3. *Data Files.* Data files should be in PDB format and may be sent via FTP or e-mail, floppy disk, or tape as described in the data deposition form. If you FTP the data, instructions are provided when you carry out the remote FTP. If you e-mail to pdb@bnlchm.bitnet or pdb@chm.chm.bnl.gov, please send each file twice, so that we can detect transmission errors, which occasionally do occur. ☆

Data Processing Protocol

Joseph Christian

Over the past few months, the PDB has made some important changes in its data processing procedures. Under the new protocol, once all required information

is in hand, each atomic coordinate submission undergoes preliminary checking to prepare the entry for pre-release. Any questions or problems encountered at this stage are relayed to the depositor at once. A response from the depositor must be received *before the PDB will issue an entry IDENT code*. This response may take the form of corrections, explanations, or simply a statement that the depositor is opting to clear the data for pre-release in its present form.

To expedite the issuance of IDENT codes, the depositors may wish to review their entries prior to submission. The following is a list of items checked for possible errors at this stage of the data processing:

- Bond lengths and angles
- Chirality of atomic centers
- Planarity of relevant groups
- Conformance to IUPAC-IUB nomenclature rules for atom names
- Deviation of the peptide group from "trans" conformation
- Ramachandran plot
- Matthew's coefficient to verify the composition of the asymmetric unit
- Comparison of the protein sequence with the reported chemical sequence
- Thermal parameters
- Crystal packing
- Submitted coordinates, especially solvent molecules, to verify that they lie within the same asymmetric unit

We anticipate adding other items to this list in the near future.

We are requesting that all depositors submit their data to the PDB far enough in advance to ensure that publications are not delayed while waiting for their entry IDENT codes. For our part, we will make every effort to complete the preliminary checking process as soon as possible, normally within a few weeks of receipt. In unusual circumstances, for example when a rapid publication is involved, please alert us so that we can expedite our processing. Thank you for your cooperation. ☆

Structure Factors

Frances Bernstein

We strongly suggest that authors deposit structure factors along with coordinates. Apart from the value of making the primary data available, deposition in the PDB guarantees a secure archive. There now have been at least three cases of researchers not being able to locate their own data who then retrieved this information from the PDB. ☆

NEWHELIX Program

Frances Bernstein

NEWHEL92 is a complete library of helix parameter calculating programs for DNA and RNA helices. We have received a revised version of the NEWHELIX program from Richard H. Dickerson. The program consists of two files: NEWHEL92.FOR contains the source code, and NEWHEL92.TEX contains the instructions. These files are available on item PDBPG-MTP (see Order Form). ☆

Citing the PDB

Frances Bernstein

Any researcher making use of information from the PDB should reference the data as follows:

1. The original authors and publication should be cited. Each entry has one or more AUTHOR records with the official author list for the entry. If there is a paper describing the coordinates deposited with the PDB, it is presented on JRNL records. If there are no JRNL records the entry should be cited as a "private communication".
2. The PDB should be cited. The appropriate references are F. C. Bernstein, T. F. Koetzle, G. J. B. Williams, E. F. Meyer, Jr., M.D. Brice, J. R. Rodgers, O. Kennard, T. Shimanouchi, and M. Tasumi, "The Protein Data Bank: A Computer-based Archival File for Macromolecular Structures", *J. Mol. Biol.*, 112, 535-542 (1977) and E. E. Abola, F. C. Bernstein, S. H. Bryant, T. F. Koetzle, and J. Weng, "Protein Data Bank" in *Crystallographic Databases - Information Content, Software Systems, Scientific Applications*, eds. F. H. Allen, G. Bergerhoff, and R. Sievers, Data Commission of the International Union of Crystallography, Bonn/Cambridge/Chester, 1987, pp. 107-132.

SAMPLE CITATION:

We used coordinates¹ for molecule x² obtained from the Protein Data Bank³ at Brookhaven National Laboratory.

¹ Entry 1ABC, version of July 1987

² J. Smith, S. Doe, journal reference

³ (a) F. C. Bernstein, ...
(b) E. E. Abola, ...

We would appreciate receiving reprints of all publications making use of data from the PDB. Please send them to Ms. Frances C. Bernstein, Protein Data Bank

Chemistry Department, Building 555, Brookhaven National Laboratory, Upton, NY 11973 U.S.A. ☆

Bibliographic Entries

Frances Bernstein

PDB coordinate tapes (item DATAPRTP) contain bibliographic entries. These entries, which represent structures that have been published but for which coordinates are not available from the PDB, have IDENT codes that begin with 0 (zero). To avoid confusion with entries that do contain coordinates, the bibliographic entries will now be presented as PDB0xxx.-NOC on our distribution tapes. Entries that do contain coordinates will continue to be named PDBnxxx.ENT where n is not 0 (zero). No change will be seen on the unlabeled ASCII and EBCDIC tapes. ☆

Affiliated Centers

Eleven affiliated centers 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, Ontario, Canada
Roger Gough
613-993-3294
cansnd@vm.nrc.ca

CAOS/CAMM

Dutch National Facility for Computer-Assisted Chemistry
Nijmegen, The Netherlands
Jan Noordik
31-80-653386
noordik@caos.caos.kun.nl

CINECA

NE Italy Interuniversity Computing Center
Caselecchio di Reno (BO), Italy
Salvatore Rago
39-51-598411
argo@icineca

EMBL

European Molecular Biology Laboratory
Heidelberg, Germany
Peter Rice
49-6221-387-247
peter.rice@embl-heidelberg.de

***JAICI**

Japan Association for International Chemical Information
Tokyo, Japan
Hideaki Chihara
81-3-816-3389

NCSA

National Center for Supercomputing Applications
University of Illinois at Urbana-Champaign
Champaign, Illinois
Marcia Miller
217-244-2756
mmiller@ncsa.uiuc.edu

***Osaka University**

Institute for Protein Research
Osaka, Japan
Yukiteru Katsube
81-6-877-5111 ext 3912

Pittsburgh Supercomputing Center

Pittsburgh, Pennsylvania
Hugh Nicholas
412-268-4960
nicholas@cpwpsca

Prophet

BBN Systems and Technologies Corporation
Cambridge, Massachusetts
Wayne Rindone
617-873-2669
prophet-help@bbn.com

SDSC

San Diego Supercomputer Center
San Diego, CA
Lynn Ten Eyck
619-534-8189
teneyckl@sdsc.bitnet

SEQNET

Daresbury Laboratory
Warrington, United Kingdom
User Interface Group
44-925-603351
uig@daresbury.ac.uk

TABLE 1 - INFORMATION AVAILABLE ON MAGNETIC TAPE

CODE	ITEM
DATAPRTP	ALL AVAILABLE COORDINATE ENTRIES (TABLE 3), BIBLIOGRAPHIC ENTRIES (TABLE 4 - NO COORDINATES IN BIB ENTRIES), AND SOME COMPUTER PROGRAMS (TABLE 2, PART A)
PDBPGMTP	ALL COMPUTER PROGRAMS AND MISCELLANEOUS FILES (TABLE 2, PARTS A AND B)
NONST1TP	STRUCTURE FACTOR ENTRIES (TABLE 5 - PART 1)
NONST2TP	STRUCTURE FACTOR ENTRIES (TABLE 5 - PART 2)
NONST3TP	STRUCTURE FACTOR ENTRIES (TABLE 5 - PART 3)
NONST4TP	STRUCTURE FACTOR ENTRIES (TABLE 5 - PART 4)
NONST5TP	STRUCTURE FACTOR ENTRIES (TABLE 5 - PART 5)
NONST6TP	STRUCTURE FACTOR ENTRIES (TABLE 5 - PART 6)
NONST7TP	STRUCTURE FACTOR ENTRIES (TABLE 5 - PART 7)
NONST8TP	STRUCTURE FACTOR ENTRIES (TABLE 5 - PART 8)
NONST9TP	STRUCTURE FACTOR ENTRIES (TABLE 5 - PART 9)
NMRS1TP	NMR EXPERIMENTAL DATA ENTRIES (TABLE 6)

* NEW OR REPLACEMENT ENTRY SINCE OCT-1991 NEWSLETTER

TABLE 2 - PROTEIN DATA BANK, COMPUTER PROGRAMS AND MISCELLANEOUS FILES

NAME	PURPOSE	AUTHOR(S)	REV DATE/ SUPPORTED
PART A - AVAILABLE ON DATAPRTP, PDBPGMTP			

BENDER	PARAMETERS FOR BENT-WIRE MODELS	G.WILLIAMS	4/82 YES
BLDKIT	MODEL BUILDER'S KIT	E.ABOLA	2/84 YES
BRUKTP	MAKE VAX/VMS FILES FROM PDB TAPE	H.BOSSHARD	8/85 NO
CONNECT	GENERATE FULL CONNECTIVITY	F.BERNSTEIN	7/89 YES
CONTNT	GENERATE PDB CONTENTS LIST	H.NICHOLAS JR.	4/91 NO
CONCT	INTERMOLECULAR CONTACTS	L.ANDREWS	5/83 NO
DGPlot	DIAGONAL PLOTS ON PRINTER	E.SWANSON, F.BERNSTEIN	1/83 YES
DIHDRL	COMPLETE TORSION ANGLES	E.ABOLA	3/80 YES
DRCTRY	DIRECTORY OF PDB DISTRIBUTION TAPE	E.ABOLA	7/86 YES
DSTNCE	CALC DISTANCES FROM CONECT RECORDS	F.BERNSTEIN	8/82 YES
FISIPL	PHI/PSI PLOTS ON PRINTER	F.BERNSTEIN	5/79 YES
LSM	COLOR-CODED ALPHA-CARBON MODELS	R.MATELA, R.FLETTERICK	3/82 NO
NAMOD	BALL-AND-STICK MODEL DISPLAY	Y.BEPPU	4/89 NO
PHIPSI	MAIN-CHAIN TORSION ANGLES	ANDREWS, WILLIAMS, BERNSTEIN	2/79 YES
REFMTE	REFORMAT DATA FOR SUPERTAB, SUPERB	L.RELLICK, J.DUANE	12/83 NO
STEREO	EXTRACT X, Y, Z FROM STEREO DIAGRAMS	M.ROSSMANN	6/79 NO
TAPDIR	PRINT DIRECTORY OF TAPE CONTENTS	H.BERNSTEIN, F.BERNSTEIN	11/79 YES
THEOD	MEASURE COORDINATES WITH THEODOLITE	L.LEBIODA	1/82 NO
TORSRU	COMPLETE TORSION ANGLES	G.REEKE	10/79 NO
TOTALS	VALIDATION OF MASTER RECORD	L.ANDREWS, F.BERNSTEIN	3/82 YES
PART B - AVAILABLE ON PDBPGMTP ONLY			

ALB	SECONDARY STRUCT. CALC., PREDICTION	A.FINKELSTEIN, O.PTITSYN	10/85 NO
CRYSTAL	DATA BASE-PROTEIN CRYSTALLIZATION	G.GILLILAND	12/84 NO
NDB	NUCLEIC ACID DATA BASE + PROGRAMS	H.BERMAN ET AL.	9/89 NO
NEWHEL92	*DNA HELIX ANALYSIS	R.DICKERSON ET AL.	2/92 NO
NUPARM	NUCLEIC ACID PARAMETER DETERMINATN	M.BANSAL, D.BHATTACHARYYA	5/90 NO
SEARCHDB	SEQUENCE SEARCH OF PDB ENTRIES	D.BLOCH	6/88 NO
TABLES	DISPLAY SPACE-GROUP SYMMETRY IN 3D	C.ABAD-ZAPATERO, T.O'DONNELL	12/87 NO

* NEW OR REPLACEMENT ENTRY SINCE OCT-1991 NEWSLETTER

SUPPORTED PROGRAMS ARE THOSE FOR WHICH PDB STAFF WILL PROVIDE CORRECTIONS FOR DEMONSTRATED ERRORS.

TABLE 3 - PROTEIN DATA BANK, ATOMIC COORDINATE ENTRIES (AVAILABLE)

IDENT CODE	MOLECULE	DEPOSITOR(S)	DATE/ STATUS
1ACE	*ACETYLCHOLINESTERASE (T. CALIFORNICA)	J. SUSSMAN, M. HAREL, I. SILMAN	10/91
4APE	ACID PROTEINASE (ENDOTHIA PARASITICA)	T. BLUNDELL ET AL.	6/86
5ER1	ENDOTHIAPEPSIN/BW624 COMPLEX	COOPER, FOUNDLING, BLUNDELL	11/90
5ER2	ENDOTHIAPEPSIN/CP-69,799 COMPLEX	T. BLUNDELL, A. SALI	1/91
3ER3	ENDOTHIAPEPSIN/CP-71,362 COMPLEX	T. BLUNDELL, J. COOPER	1/91
4ER4	ENDOTHIAPEPSIN/H-142 COMPLEX	T. BLUNDELL, S. FOUNDLING	1/91
3ER5	ENDOTHIAPEPSIN/H-189 COMPLEX	T. BLUNDELL, J. COOPER	1/91
2ER6	ENDOTHIAPEPSIN/H-256 COMPLEX	T. BLUNDELL ET AL.	10/90
2ER7	ENDOTHIAPEPSIN/H-261 COMPLEX	T. BLUNDELL, B. VEERAPANDIAN	11/90
1ER8	ENDOTHIAPEPSIN/H-77 COMPLEX	T. BLUNDELL, A. HEMMINGS	10/89
2ER9	ENDOTHIAPEPSIN/L-363,564 COMPLEX	T. BLUNDELL, J. COOPER	10/90
2ER0	ENDOTHIAPEPSIN/L-364,099 COMPLEX	T. BLUNDELL, J. COOPER	10/90
4ER1	ENDOTHIAPEPSIN/PD125967 COMPLEX	T. BLUNDELL, J. COOPER	10/90
4ER2	ENDOTHIAPEPSIN/PEPSTATIN COMPLEX	T. BLUNDELL, B. VEERAPANDIAN	10/90
3APP	ACID PROTEINASE (PENICILLIUMJANTHINELLUM)	A. SIELECKI, M. JAMES	11/90 R
2APR	ACID PROTEINASE (RHIZOPUS CHINENSIS)	K. SUGUNA, D. DAVIES	3/87
3APR	ACID PROTEINASE/PEPTIDE INHIBITOR COMPLXK.	SUGUNA, D. DAVIES	6/87
4APR	ACID PROTEASE (R. PEPSIN) /INHIBITOR	K. SUGUNA, D. DAVIES	8/89
5APR	ACID PROTEASE (R. PEPSIN) /INHIBITOR	K. SUGUNA, D. DAVIES	8/89
6APR	ACID PROTEASE (R. PEPSIN) /INHIBITOR	K. SUGUNA, D. DAVIES	8/89
5ACN	ACONITASE (PIG, INACTIVE)	A. ROBBINS, C. D. STOUT	1/90
6ACN	ACONITASE (PIG, ACTIVATED)	A. ROBBINS, C. D. STOUT	1/90
2ACT	ACTINIDIN	E. BAKER	11/79
1ACX	ACTINOXANTHIN	V. PLETNEV, A. KUZIN	12/82
1ADA	*ADENOSINE DEAMINASE (MOUSE)	D. WILSON, F. QUIOCHO	4/91 A
3ADK	ADENYLATE KINASE (PORCINE)	G. SCHULZ	11/87
1AK3	ADENYLATE KINASE ISOZYME 3	K. DIEDERICHS, G. SCHULZ	1/90
1AGA	AGAROSE	S. ARNOTT	5/78
7WGA	WHEAT GERM AGGLUTININ (ISOLECTIN 1)	C. WRIGHT	4/90
9WGA	WHEAT GERM AGGLUTININ (ISOLECTIN 2)	C. WRIGHT	4/90
1WGC	WHEAT GERM AGGLUTININ (ISOLECTIN 1) /NLA	C. WRIGHT	4/90
2WGC	WHEAT GERM AGGLUTININ (ISOLECTIN 2) /NLA	C. WRIGHT	4/90
1AMT	ALAMETHICIN (TRICHODERMA VIRIDE)	R. FOX, F. RICHARDS	12/87
8ADH	ALCOHOL DEHYDROGENASE (APO)	T. A. JONES, H. EKLUND	4/89
5ADH	ALCOHOL DEHYDROGENASE (APO) /ADP-RIBOSE	H. EKLUND, T. A. JONES	1/84
6ADH	ALCOHOL DEHYDROGENASE (HOLO) /NADH/DMSO	H. EKLUND	1/84
7ADH	ALCOHOL DEHYDRGNSE (ISONICOTINIMIDYLATED)	B. PLAPP, H. EKLUND	1/84
1ALD	*ALDOLASE A (HUMAN)	H. WATSON, S. GAMBLIN	5/91
1HOE	ALPHA-AMYLASE INHIBITOR HOE-467A	PFLUGRATH, WIEGAND, HUBER	1/89
2ALP	ALPHA-LYTIC PROTEASE	M. FUJINAGA, M. JAMES	3/85
1P01	ALPHA-LYTIC PROTEASE/BOC-A-P-V-BORONIC	R. BONE, D. AGARD	4/89
1P02	ALPHA-LYTIC PROTEASE/MSUC-A-A-P-A-BORONCR.	BONE, D. AGARD	4/89
1P03	ALPHA-LYTIC PROTEASE/MSUC-A-A-P-V-BORONCR.	BONE, D. AGARD	4/89
1P04	ALPHA-LYTIC PROTEASE/MSUC-A-A-P-I-BORONCR.	BONE, D. AGARD	4/89
1P05	ALPHA-LYTIC PROTEASE/MSUC-A-A-P-NLEU-BRNR.	BONE, D. AGARD	4/89
1P06	ALPHA-LYTIC PROTEASE/MSUC-A-A-P-F-BORONCR.	BONE, D. AGARD	4/89
1P07	ALPHA-LYTIC PROTSE MUTANT (M(192) A)	R. BONE, D. AGARD	4/89
1P08	ALPHA-LYTIC PROTSE MUTANT (M(192) A) /INHTR.	BONE, D. AGARD	4/89
1P09	ALPHA-LYTIC PROTSE MUTANT (M(213) A)	R. BONE, D. AGARD	4/89
1P10	ALPHA-LYTIC PROTSE MUTANT (M(213) A) /INHTR.	BONE, D. AGARD	4/89
2TAA	TAKA-AMYLASE	KUSUNOKI, MATSUURA, KAKUDO	10/82
7API	ALPHA 1-ANTITRYPSIN (MODIFIED, TETRAGONAL)	R. HUBER ET AL.	9/88
8API	ALPHA 1-ANTITRYPSIN (MODIFIED, HEXAGONAL)	R. HUBER ET AL.	9/88
9API	ALPHA 1-ANTITRYPSIN (MODIFIED, TETRAGONAL)	R. HUBER ET AL.	9/88
1AL1	ALPHA-1 (SYNTHETIC PEPTIDE)	C. HILL ET AL.	7/90
1AAP	ALZHEIMER'S AMYLOID B-PROTEIN PRECURSOR	T. HYNES ET AL.	9/90
1ABP	L-ARABINOSE-BINDING PROTEIN	F. QUIOCHO, G. GILLILAND	5/80
6ABP	ARABINOSE-BINDNG PRTN (M108L) /L-ARABINOSEVERMERSCH,	TESMER, QUIOCHO	4/91
7ABP	ARABINOSE-BINDNG PRTN (M108L) /D-FUCOSE	VERMERSCH, TESMER, QUIOCHO	4/91
8ABP	ARABINOSE-BINDNG PRTN (M108L) /D-GALACTOSEVERMERSCH,	TESMER, QUIOCHO	4/91
1BAP	*ARABINOSE-BINDNG PRTN (P254G) /L-ARABINOSEVERMERSCH,	TESMER, QUIOCHO	11/91
1APB	*ARABINOSE-BINDNG PRTN (P254G) /D-FUCOSE	VERMERSCH, TESMER, QUIOCHO	11/91
9ABP	*ARABINOSE-BINDNG PRTN (P254G) /D-GALACTOSEVERMERSCH,	TESMER, QUIOCHO	11/91
1AAT	CYTOSOLIC ASPARTATE AMINOTRANSFERASE	HARUTYUNYAN, MALASHKEVICH	4/82 A

2AAT	ASPARTATE AMINOTRANSFERASE COMPLEX	SMITH, ALMO, TONEY, RINGE	5/89
3AAT	*ASPARTATE AMINOTRANSFERASE MUTANT (R386F)	DANISHEFSKY, RINGE, PETSKO	12/90
2ATC	ASPARTATE CARBAMOYLTRANSFERASE	W. LIPSCOMB	3/82
8ATC	ASPARTATE CARBAMOYLTRANSFERASE (R) /PALA	KE, LIPSCOMB, CHO, HONZATKO	8/89
1AT1	ASPARTATE CARBAMOYLTRANSFERASE (R) PAM/MALJ	J. GOUAUX, W. LIPSCOMB	8/89
2AT1	ASPARTATE CARBAMOYLTRANSFERASE (R) PAM/MALJ	J. GOUAUX, W. LIPSCOMB	8/89
3AT1	ASPARTATE CARBAMOYLTRANSFERASE (T) /PAM	J. GOUAUX, W. LIPSCOMB	8/89
4AT1	ASPARTATE CARBAMOYLTRANSFERASE (T) /ATP	STEVENS, GOUAUX, LIPSCOMB	4/90
5AT1	ASPARTATE CARBAMOYLTRANSFERASE (T) /CTP	STEVENS, GOUAUX, LIPSCOMB	4/90
6AT1	ASPARTATE CARBAMOYLTRANSFERASE (T STATE)	STEVENS, GOUAUX, LIPSCOMB	4/90
7AT1	ASPARTATE CARBAMOYLTRANSFERASE (R) /ATP	STEVENS, GOUAUX, LIPSCOMB	4/90
8AT1	ASPARTATE CARBAMOYLTRANSFERASE (R) /CTP	STEVENS, GOUAUX, LIPSCOMB	4/90
2AZA	AZURIN (ALCALIGENES DENITRIFICANS)	E. BAKER, G. NORRIS	10/86
1AZU	AZURIN (PSEUDOMONAS AERUGINOSA)	E. ADMAN, L. SIEKER, L. JENSEN	8/80
3BCL	BACTERIOCHLOROPHYLL A PROTEIN	TRONRUD, SCHMID, MATTHEWS	6/87
1BRD	BACTERIORHODOPSIN (ELECTRON DIFFRACTION)	R. HENDERSON ET AL.	5/90
1BDS	BDS-I (SEA ANEMONE) (NMR MIN AVRGD STRUCT)	CLORE, DRISCOLL, GRONENBORN	11/88
2BDS	BDS-I (SEA ANEMONE) (NMR, 42 STRUCTURES)	CLORE, DRISCOLL, GRONENBORN	11/88
1BBP	BILIN BINDING PROTEIN (PIERIS BRASSICAE)	R. HUBER ET AL.	9/90
2ABX	ALPHA-BUNGAROTOXIN	R. LOVE, R. STROUD	2/86
4CPV	CA-BINDING PARVALBUMIN (CARP)	V. KUMAR, L. LEE, B. EDWARDS	10/89
5CPV	CA-BINDING PARVALBUMIN (CARP)	SWAIN, KRETSINGER, AMMA	1/90
1CDP	CA-BINDING PARVALBUMIN (CD SUBSTTD) (CARP)	SWAIN, KRETSINGER, AMMA	1/90
1PAL	*CA-BINDING PARVALBUMIN (PIKE) /CA2.NH4	J. DECLERCQ ET AL.	11/90
2PAL	*CA-BINDING PARVALBUMIN (PIKE) /MN2.MN	J. DECLERCQ ET AL.	11/90
3PAL	*CA-BINDING PARVALBUMIN (PIKE) /CA2.MG	J. DECLERCQ ET AL.	11/90
4PAL	*CA-BINDING PARVALBUMIN (PIKE) /CAMG.MG	J. DECLERCQ ET AL.	11/90
1SCP	SARCOPLASMIC CALCIUM-BINDING PROTEIN	W. COOK, S. EALICK ET AL.	6/90
3ICB	CALCIUM-BINDING PROTEIN (INTESTINAL)	D. SZE BENYI, K. MOFFAT	9/86
3CLN	CALMODULIN (RAT)	Y. BABU, C. BUGG, W. COOK	5/88
1TRC	TR2C FRAGMENT OF CALMODULIN	L. SJOLIN ET AL.	1/90
1CAP	CAPSULAR POLYSACCHARIDE (E. COLI M41)	S. ARNOTT	5/78
2CAB	CARBONIC ANHYDRASE B (HUMAN)	K. KANNAN	10/83
1CA2	CARBONIC ANHYDRASE II (HUMAN)	ERIKSSON, JONES, LILJAS	2/89
2CA2	CARBONIC ANHYDRASE II /SCN (HUMAN)	ERIKSSON, JONES, LILJAS	2/89
3CA2	CARBONIC ANHYDRASE /AMS	ERIKSSON, JONES, LILJAS	10/89
3CPA	CARBOXYPEPTIDASE A /GLYCYLTYROSINE	D. REES, W. LIPSCOMB	3/82
4CPA	CARBOXYPEPTIDASE A /POTATO INHIBITOR	D. REES, W. LIPSCOMB	3/82
5CPA	CARBOXYPEPTIDASE A /WATER (BOVINE)	D. REES, W. LIPSCOMB	5/82
6CPA	CARBOXYPEPTIDASE A /ZAAP (O) F	H. KIM, W. LIPSCOMB	2/90
1CPB	CARBOXYPEPTIDASE B (BOVINE)	M. SCHMID, J. HERRIOTT	6/76 A
2SC2	WHEAT SERINE CARBOXYPEPTIDASE II	D. -I. LIAO, S. REMINGTON	1/90 A
1PTE	D-ALANYL-CARBOXYPEPTIDASE-TRANSPEPTIDASE	J. KELLY, J. KNOX, P. MOEWS	10/85 A
1CDT	CARDIOTOXIN V II 4 (NAJA M. MOSSAMBICA)	B. REES ET AL.	5/90
1CAR	CARRAGEENAN	S. ARNOTT	5/78
7CAT	CATALASE (BEEF LIVER)	I. FITA, M. ROSSMANN	11/84
8CAT	CATALASE (BEEF LIVER)	I. FITA, M. ROSSMANN	11/84
4CAT	CATALASE (PENICILLIUM VITALE)	B. VAINSHTEIN ET AL.	2/83 B
1CD4	CD4 (HIV BINDING FRAGMENT) (HUMAN)	RYU, KWONG, HENDRICKSON	11/90
2CD4	CD4 (N-TERMINAL FRAGMENT) (HUMAN)	GARRETT, WANG, YAN, HARRISON	11/90
1CBH	CELLOBIOHYDROLASE I (NMR MIN AVRGD STRUC)	G. CLORE, A. GRONENBORN	5/89
2CBH	CELLOBIOHYDROLASE I (NMR, 41 STRUCTURES)	G. CLORE, A. GRONENBORN	5/89
3CBH	CELLOBIOHYDROLASE (TRICHODERMA REESEI)	A. JONES, J. ROUVINEN	8/90 A
2CHY	CHE Y (SALMONELLA TYPHIMURIUM)	STOCK, MOTTONEN, STCK, SCHUTT	5/90 A
1CLA	CHLORAMPHENICOL ACETYLTRANSFERASE (S148A)	M. GIBBS, A. LESLIE	10/89
2CLA	CHLORAMPHENICOL ACETYLTRANSFERASE (D199N)	M. GIBBS, P. MOODY, A. LESLIE	4/90
3CLA	CHLORAMPHENICOL ACETYLTRANSFERASE	A. LESLIE	7/90
4CLA	*CHLORAMPHENICOL ACETYLTRANSFERASE (L160F)	A. LESLIE	10/90
1COX	*CHOLESTEROL OXIDASE	A. VRIELINK, L. LLOYD, D. BLOW	2/91
1C4S	CHONDROITIN-4-SULFATE	S. ARNOTT	5/78
2C4S	CHONDROITIN-4-SULFATE (CA SALT)	S. ARNOTT	5/78
1CMS	CHYMOSIN	G. GILLILAND ET AL.	10/89
4CMS	CHYMOSIN B (BOVINE)	T. BLUNDELL ET AL.	11/91
2CHA	ALPHA-CHYMOTRYPSIN (TOSYL)	D. BLOW	1/75
4CHA	ALPHA-CHYMOTRYPSIN (BOVINE)	H. TSUKADA, D. BLOW	11/84
5CHA	ALPHA-CHYMOTRYPSIN (BOVINE)	R. BLEVINS, A. TULINSKY	1/85
6CHA	ALPHA-CHYMOTRYPSIN (BOVINE) /PEBA	A. TULINSKY, R. BLEVINS	2/87
1CHO	ALPHA-CHYMOTRYPSIN/OVOMUCOID COMPLEX	M. JAMES ET AL.	3/88
2GCH	GAMMA-CHYMOTRYPSIN	COHEN, DAVIES, SILVERTON	5/80
3GCH	GAMMA-CHYMOTRYPSIN/CINNAMATE A	STODDARD, RINGE, PETSKO	9/89

4GCH	GAMMA-CHYMOTRYPSIN/CINNAMATE B	STODDARD, RINGE, PETSKO	9/89
5GCH	GAMMA-CHYMOTRYPSIN (PHOTOLYSIS)	STODDARD, RINGE, PETSKO	9/89
6GCH	GAMMA-CHYMOTRYPSIN/ACPHECF3	A. WEI, D. RINGE, R. ABELES	4/90
7GCH	GAMMA-CHYMOTRYPSIN/ALPCF3	A. WEI, D. RINGE, R. ABELES	4/90
1GCT	GAMMA-CHYMOTRYPSIN (PH 7.0)	M. DIXON, B. MATTHEWS	9/90
2GCT	GAMMA-CHYMOTRYPSIN (PH 2.0)	M. DIXON, B. MATTHEWS	9/90
3GCT	GAMMA-CHYMOTRYPSIN (PH 10.5)	M. DIXON, B. MATTHEWS	9/90
2CI2	CHYMOTRYPSIN INHIBITOR 2 (BARLEY SEEDS)	C. MCPHALEN, M. JAMES	9/88
1CHG	CHYMOTRYPSINOGEN	J. KRAUT, J. BIRKTOFT	3/75
2CGA	CHYMOTRYPSINOGEN A (BOVINE)	D. WANG, W. BODE, R. HUBER	1/87
1CTS	CITRATE SYNTHASE (PIG)	REMINGTON, WIEGAND, HUBER	1/84
2CTS	CITRATE SYNTHASE (PIG, COA, CITRATE CMLPX)	REMINGTON, WIEGAND, HUBER	1/84
3CTS	CITRATE SYNTHASE (CHICKEN, COA, CITRATE)	REMINGTON, WIEGAND, HUBER	1/84
4CTS	CITRATE SYNTHASE (PIG, OXALOACETATE CMLPX)	REMINGTON, WIEGAND, HUBER	1/84
5CTS	CITRATE SYNTHASE/OXALOACETATE/COA	KARPUSAS, BRANCHAUD, REMNGTN11/89	
6CTS	CITRATE SYNTHASE/CITRYLTHIOETHER COA	KARPUSAS, BRANCHAUD, REMNGTN11/89	
1CSC	CITRATE SYNTHASE/L-MALATE/CRBXYMTHL COA	KARPUSAS, HOLLAND, REMINGTON	5/90
2CSC	CITRATE SYNTHASE/D-MALATE/CRBXYMTHL COA	KARPUSAS, HOLLAND, REMINGTON	5/90
3CSC	CITRATE SYNTHASE/L-MALATE/ACETYL COA	KARPUSAS, HOLLAND, REMINGTON	5/90
4CSC	CITRATE SYNTHASE/D-MALATE/ACETYL COA	KARPUSAS, HOLLAND, REMINGTON	5/90
5CSC	CITRATE SYNTHASE (OPEN FORM)	LIAO, KARPUSAS, REMINGTON	5/90
1CTX	ALPHA COBRATOXIN	W. SAENGER, M. WALKINSHAW	3/82
1C5A	COMPLEMENT C5A (DES-ARG) (NMR, 41 STRCTRS)	M. WILLIAMSON, V. MADISON	6/90
2CNA	CONCAVALIN A	G. REEKE, J. BECKER, G. EDELMAN	4/75
3CNA	CONCAVALIN A	K. HARDMAN	9/76
1CN1	CONCAVALIN A (DEMETALLIZED)	M. SHOHAM	12/81
1CRN	CRAMBIN	W. HENDRICKSON, M. TEETER	5/81
1CRO	CRO REPRESSOR PROTEIN	B. MATTHEWS ET AL.	6/87 A
2CRO	CRO (PHAGE 434)	S. HARRISON ET AL.	12/88
3CRO	CRO/20 BASE PAIR DNA CONTAINING ORI	A. MONDRAGON, S. HARRISON	7/90
4CRO	*CRO (BACTERIOPHAGE LAMBDA)/17 BP DNA OR3	B. MATTHEWS ET AL.	9/90 A
1GCR	GAMMA-II CRYSTALLIN (CALF)	T. BLUNDELL	8/85
2GCR	GAMMA IV A CRYSTALLIN (BOVINE LENS)	H. DRIESSEN ET AL.	5/89
1CBP	CUCUMBER BASIC PROTEIN	J. M. GUSS	9/88 A
3B5C	CYTOCHROME B5 (BOVINE)	F. S. MATHEWS, R. DURLEY	1/90 R
256B	CYTOCHROME B562 (ESCHERICHIA COLI)	HAMADA, BETHGE, MATHEWS	1/90 R
3CYT	CYTOCHROME C (ALBACORE, OXIDIZED)	T. TAKANO, R. DICKERSON	7/80
5CYT	CYTOCHROME C (ALBACORE, REDUCED)	T. TAKANO	1/88
1CYC	CYTOCHROME C (BONITO, HEART)	M. KAKUDO	8/76
1CCR	CYTOCHROME C (RICE)	H. OCHI, N. TANAKA	3/83
1YCC	CYTOCHROME C (YEAST, ISO-1, REDUCED)	G. LOUIE, G. BRAYER	5/90
2CCY	CYTOCHROME C'	B. FINZEL ET AL.	8/85
2CYP	CYTOCHROME C PEROXIDASE (YEAST)	B. FINZEL, T. POULOS, J. KRAUT	8/85
1CCP	CYTOCHROME C PEROXIDASE (YEAST)	J. KRAUT ET AL.	2/90
2CCP	CYTOCHROME C PEROXIDASE MUTANT (D235N)	J. KRAUT ET AL.	2/90
3CCP	CYTOCHROME C PEROXIDASE MUTANT (W191F)	J. KRAUT ET AL.	2/90
4CCP	CYTOCHROME C PEROXIDASE MUTANT (W51F)	J. KRAUT ET AL.	2/90
2C2C	CYTOCHROME C2 (OXIDIZED)	G. BHATIA, B. FINZEL, J. KRAUT	11/83
3C2C	CYTOCHROME C2 (REDUCED)	G. BHATIA, B. FINZEL, J. KRAUT	11/83
1C2R	*CYTOCHROME C2 (RHODOBACTER CAPSULATUS)	H. HOLDEN ET AL.	3/91
1CY3	CYTOCHROME C3	R. HASER, M. FREY, F. PAYAN	6/85
2CDV	CYTOCHROME C3 (DESULFOVIBRIO VULGARIS)	N. YASUOKA, M. KAKUDO	11/83
1CC5	CYTOCHROME C5 (OXIDIZED, AZOTOBACTER VNLD)	C. D. STOUT, D. CARTER	8/84
155C	CYTOCHROME C550	R. TIMKOVICH	8/76
351C	CYTOCHROME C551 (OXIDIZED)	MATSUURA, TAKANO, DICKERSON	7/81
451C	CYTOCHROME C551 (REDUCED)	MATSUURA, TAKANO, DICKERSON	7/81
2CPP	CYTOCHROME P450CAM (PSEUDOMONAS PUTIDA)	T. POULOS, B. FINZEL, A. HOWARD	4/87
3CPP	CYTOCHROME P450CAM/CAMPOR MONOXYGENASE	R. RAAG, T. POULOS	6/89
4CPP	CYTOCHROME P450CAM/ADAMANTANE	R. RAAG, T. POULOS	5/90
5CPP	CYTOCHROME P450CAM/ADAMANTANONE	R. RAAG, T. POULOS	5/90
6CPP	CYTOCHROME P450CAM/CAMPANE	R. RAAG, T. POULOS	5/90
7CPP	CYTOCHROME P450CAM/NORCAMPOR	R. RAAG, T. POULOS	5/90
8CPP	CYTOCHROME P450CAM/THIOCAMPOR	R. RAAG, T. POULOS	5/90
1DTX	*ALPHA-DENDROTOXIN (GREEN MAMBA)	T. SKARZYNSKI	4/91
8DFR	DIHYDROFOLATE REDUCTASE (CHICKEN LIVER)	J. KRAUT ET AL.	5/89
3DFR	DIHYDROFOLATE REDUCTASE (L. CASEI)	J. BOLIN, D. MATTHEWS, J. KRAUT	6/82
4DFR	DIHYDROFOLATE REDUCTASE (E. COLI)	J. BOLIN, D. MATTHEWS, J. KRAUT	6/82
5DFR	AP0-DIHYDROFOLATE REDUCTASE (E. COLI)	J. KRAUT	10/88
6DFR	DIHYDROFOLATE REDUCTASE (E. COLI) /NADP	J. KRAUT	10/88
7DFR	DIHYDROFOLATE REDUCTASE/FOLATE/NADP	J. KRAUT	10/88

1DHF	DIHYDROFOLATE REDUCTASE (HUMAN) /FOLATE	J. DAVIES, J. KRAUT	10/89
2DHF	DIHYDROFOLATE REDUCTASE/5-DEAZAFOLATE	J. DAVIES, J. KRAUT	10/89
1DRF	*DIHYDROFOLATE REDUCTASE (HUMAN) /FOLATE	OEFNER, D' ARCY, WINKLER	8/90
1ANA	DNA (A, 5' -D- IODO-CCGG-3')	B. CONNER, R. DICKERSON	6/82
2ANA	DNA (A, GGGGCCCC, SYNTHETIC)	M. MCCALL, T. BROWN, O. KENNARD	8/85
3ANA	DNA (A, GGGATCCC, SYNTHETIC)	U. HEINEMANN, H. LAUBLE	7/88
9DNA	DNA (A, GCCCGGGC, SYNTHETIC)	U. HEINEMANN	7/87
1BNA	DNA (B, CGCGAATTCGCG, SYNTHETIC, 290 K)	H. DREW, R. DICKERSON	1/81
2BNA	DNA (B, CGCGAATTCGCG, SYNTHETIC, 16 K)	H. DREW, R. DICKERSON	11/81
3BNA	DNA (B, 9-BR-CGCGAATTCGCG, SYNTH, 20 DEG C)	KOPKA, FRATINI, DICKERSON	2/82
4BNA	DNA (B, 9-BR-CGCGAATTCGCG, SYNTH, 7 DEG C)	KOPKA, FRATINI, DICKERSON	2/82
5BNA	DNA (B, CGCGAATTCGCG, SYNTHETIC) /CISPLATIN WING, PJURA, DREW, DICKERSON	KOPKA, FRATINI, DICKERSON	8/83
6BNA	DNA (B, 9-BR-CGCGAATTCGCG, SYNTH) /NETROPSINM. KOPKA, R. DICKERSON	KOPKA, R. DICKERSON	8/84
7BNA	DNA (B, CGCGAATTCGCG, ANISO TEMP FACTORS)	HOLBROOK, DICKERSON, KIM	1/85
8BNA	DNA (CGCGAATTCGCG, SYNTHETIC) /HOECHST 33258	PJURA, GRZESKOWIAK, DICKERSON	8/86
12NA	DNA (Z', CGCG, HIGH-SALT, SYNTHETIC)	H. DREW, R. DICKERSON	1/81
1DN4	DNA (-BR-CG-BR-CG-BR-CG, SYNTHETIC, 18 DEG C)	D. MORAS ET AL.	12/86
1DN5	DNA (-BR-CG-BR-CG-BR-CG, SYNTHETIC, 37 DEG C)	D. MORAS ET AL.	12/86
1DN6	DNA (GGATGGGAG, SYNTHETIC)	MCCALL, BROWN, HUNTER, KENNRD	5/87
1DN8	DNA (CGTACGTACC, SYNTHETIC)	M. SUNDARALINGAM	5/87
2DND	DNA (CGCAAATTTGCG) -DISTAMYCIN COMPLEX	M. COLL, A. RICH	8/88
1DNH	DNA (CGCGAATTCGCG) -HOECHST 33258 COMPLEX	A. WANG ET AL.	2/88
3DND	DNA (CCAAGATTGG)	G. PRIVE, R. DICKERSON	3/88
1D16	DNA (CGCGCGTTTTTCGCGCG)	CHATTOPADHYAYA, DICKERSON	4/88
1DCG	DNA (CGCGCG)	C. FREDERICK, A. WANG ET AL.	8/88
2DCG	DNA (CGCGCG) /SPERMINE	A. WANG, A. RICH ET AL.	8/88
4DNB	DNA (CGCGAATTCGCG)	C. FREDERICK, A. RICH ET AL.	8/88
1DNE	DNA (CGCGATATCGCG) /NETROPSIN	M. COLL ET AL.	9/88
1BD1	DNA (CCAGGCCTGG)	U. HEINEMANN	8/89
1DNS	DNA (GTGTACAC) /SPERMINE	M. SUNDARALINGAM	2/89
1DN9	DNA (CGCATATATCGG)	C. YOON, R. DICKERSON	4/89
5ANA	DNA (GTACGTAC)	F. TAKUSAGAWA	8/89
1DNF	DNA (CGCGFG)	COLL, WANG, RICH ET AL.	12/88
1D10	DNA (CGATCG) /DAUNOMYCIN	C. FREDERICK ET AL.	10/89
1D11	DNA (CGTACG) /DAUNOMYCIN	WANG, UGHETTO, QUIGLEY, RICH	10/89
1D12	DNA (CGATCG) /ADRIAMYCIN	C. FREDERICK ET AL.	10/89
1D13	DNA (ACCGGCCGGT)	C. FREDERICK ET AL.	10/89
1D14	DNA (CGTACG) /11-DEOXYDAUNOMYCIN	L. WILLIAMS ET AL.	10/89
1BDN	DNA (CGCAAAAATCGG)	DIGABRIELE, SANDERSN, STEITZ	4/89
9BNA	DNA (CGCGAATTCGCG)	E. WESTHOF	2/90
1DNM	DNA (CGCAAGCTGGCG)	G. WEBSTER, S. NEIDLE ET AL.	6/90
2DBE	DNA (CGCGAATTCGCG) /BERENIL	D. BROWN, S. NEIDLE ET AL.	3/90
28DN	DNA (GTACGTAC)	C. COURSEILLE ET AL.	7/91
1D15	DNA (CGATCG) /4' -EPIADRIAMYCIN/SPERMINE	WILLIAMS, EGLI, FREDRCK, RICH	7/90
1D17	DNA (+CGT+A+CG) /NOGALAMYCIN	EGLI, WILLIAMS, FREDRCK, RICH	7/90
1D18	DNA (CATGCATG) (NMR)	J. BALEJA, B. SYKES	8/90
1D19	DNA (GTACGTAC) (NMR)	J. BALEJA, B. SYKES	8/90
1D20	DNA (TCTATCACCG) (NMR)	J. BALEJA, B. SYKES	8/90
1D21	DNA (+CGT+A+CG) /NOGALAMYCIN	WANG, LIAW, GAO, ROBINSON	8/90
1D22	DNA (+CGT+A+CG) /U58872	WANG, LIAW, GAO, ROBINSON	8/90
1D23	DNA (CGATCGATCG)	K. YANAGI, R. DICKERSON	8/90
5DNB	DNA (CCAACGTTGG)	G. PRIVE, R. DICKERSON	3/90
1D24	*DNA (CGC (O6ME) GCG)	S. GINELL ET AL.	8/90
2D25	*DNA (CCAGGC (5MC) TGG)	U. HEINEMANN	1/92
1D26	*DNA (GCC (G3P) GCG)	U. HEINEMANN	9/90
1D27	*DNA (CGC (O6MEG) AATTGCG)	G. LEONARD ET AL.	9/90
1D28	*DNA (CGTGAATTCACG)	S. GINELL ET AL.	12/90
1D31	*DNA (CGCAGAATTCGCG)	L. JOSHUA-TOR, J. SUSSMAN	1/91
1NDN	*DNA (D (CGCGAAAACGCG) .D (CGCGTT) .D (TTCGCG))	M. COLL, A. RICH ET AL.	5/90
1DPI	DNA POLYMERASE I (KLENOV FRAGMENT)	L. BEESE, D. OLLIS, T. STEITZ	8/87 A
2GN5	GENE-5 DNA BINDING PROTEIN	G. BRAYER, A. MCPHERSON	1/86
1R1E	ECO RI ENDONUCLEASE/TCGCGAATTCGCG	J. ROSENBERG ET AL.	9/90 A
2RVE	*ECO RV ENDONUCLEASE/CGAGCTCG	F. WINKLER ET AL.	3/91
1HNE	ELASTASE (HUMAN NEUTROPHIL)	M. NAVIA ET AL.	4/89
1EST	ELASTASE (PORCINE, TOSYL)	H. WATSON	5/76
2EST	ELASTASE-TFAP COMPLEX (PORCINE)	L. SIEKER, D. HUGHES	3/86
3EST	ELASTASE (PORCINE)	E. MEYER ET AL.	9/87
6EST	ELASTASE	T. PRANGE, I. LI DE LA SIERRA	6/90
7EST	ELASTASE/TFLA	T. PRANGE, I. LI DE LA SIERRA	6/90
1EFM	ELONGATION FACTOR TU (TRYPSIN-MODIFIED)	F. JURNAK	5/87 A

1ETU	ELONGATION FACTOR TU (DOMAIN I)/GDP CMLPXT.LA COUR ET AL.	1/88
1HDD	*ENGRAILED HOMEODOMAIN/DNA COMPLEX	C. KISSINGER ET AL. 9/91
2ENL	ENOLASE (YEAST)	L. LEBIODA, B. STEC 3/89 AR
5EBX	ERABUTOXIN A (SEA SNAKE)	P. CORFIELD, T. -J. LEE, B. LOW 12/89
3EBX	ERABUTOXIN B (SEA SNAKE)	B. LOW ET AL. 1/88
1ECD	ERYTHROCRUORIN (REDUCED, DEOXY)	W. STEIGEMANN, E. WEBER 3/79
1ECO	ERYTHROCRUORIN (CARBONMONOXY)	W. STEIGEMANN, E. WEBER 3/79
1ECA	ERYTHROCRUORIN (AQUO, MET)	W. STEIGEMANN, E. WEBER 3/79
1ECN	ERYTHROCRUORIN (CYANO, MET)	W. STEIGEMANN, E. WEBER 3/79
4FD1	FERREDOXIN (AZOTOBACTER VINELANDII)	C. D. STOUT 6/88
1FD2	FERREDOXIN (A. VINELANDII) MUTANT (C20A)	C. D. STOUT 12/88
2FD2	FERREDOXIN (A. VINELANDII) MUTANT (C24A)	C. D. STOUT 8/90
2FXB	FERREDOXIN (B. THERMOPROTEOLYTICUS)	FUKUYAMA, TSUKIHARA, KATSUBE 2/90 R
1FDX	FERREDOXIN (PEPTOCOCCUS AEROGENES)	E. ADMAN, L. SIEKER, L. JENSEN 8/76
3FXC	FERREDOXIN (SPIRULINA PLATENSIS)	TSUKIHARA, KATSUBE, KAKUDO 12/81
1FXI	FERREDOXIN I (APHANOTHECE SACRUM)	T. TSUKIHARA 8/90
1FNR	FERREDOXIN REDUCTASE (SPINACH)	P. KARPLUS, DANIELS, HERRIOTT 6/90
2FNR	FERREDOXIN REDUCTASE/2'-PHOSPHO-5'-AMP	P. KARPLUS, DANIELS, HERRIOTT 6/90
2FGF	*FIBROBLAST GROWTH FACTOR (BASIC, HUMAN)	J. ZHANG, S. SPRANG 2/91
3FGF	*FIBROBLAST GROWTH FACTOR (BASIC, HUMAN)	A. E. ERIKSSON, B. MATTHEWS 1/92
1FKF	FK506 BINDING PROTEIN/FK506 (HUMAN)	G. VAN DUYN ET AL. 5/91
1FCB	FLAVOCYTOCHROME B2 (YEAST)	F. S. MATHEWS, Z. -X. XIA 1/90
2FCR	*FLAVODOXIN (CHONDRUS CRISPUS)	K. FUKUYAMA 2/92
3FXN	FLAVODOXIN (CLOSTRIDIUM MP, OXIDIZED)	M. LUDWIG 12/77
4FXN	FLAVODOXIN (CLOSTRIDIUM MP, SEMIQUINONE)	M. LUDWIG 12/77
1FX1	FLAVODOXIN (D. VULGARIS, UNREFINED)	WATENPAUGH, SIEKER, JENSEN 10/84
2GBP	D-GALACTOSE-BINDING PROTEIN (E. COLI)	N. VYAS, M. VYAS, F. QUIOCHO 2/89
3GBP	GALACTOSE-BINDING PROTEIN	S. MOWBRAY 1/90 R
3GAP	CATABOLITE GENE ACTIVATOR PROTEIN/CAMP	I. WEBER, T. STEITZ 4/87
1GCN	GLUCAGON	T. BLUNDELL 10/77
1PGI	GLUCOSE-6-PHOSPHATE ISOMERASE	H. MUIRHEAD 7/77 A
2GLS	GLUTAMINE SYNTHETASE (S. TYPHIMURIUM)	D. EISENBERG ET AL. 5/89
1GSG	*GLUTAMINYL-TRNA SYNTHETASE/GLUTAMINE-TRNA	STEITZ ET AL. 4/90 A
1GP1	GLUTATHIONE PEROXIDASE (BOVINE)	O. EPP, R. LADENSTEIN 6/85
3GRS	GLUTATHIONE REDUCTASE (OXIDIZED, HUMAN)	G. SCHULZ, A. KARPLUS 2/88
4GR1	GLUTATHIONE REDUCTASE/RETRO-GSSG	G. SCHULZ, W. JANES 3/90
1GD1	HOLO-GPD (BACILLUS STEAROTHERMOPHILUS)	SKARZYNSKI, MOODY, WONACOTT 6/87
2GD1	APO-GPD (BACILLUS STEAROTHERMOPHILUS)	T. SKARZYNSKI, A. WONACOTT 6/89
1GPD	GLYCERALDEHYDE-3-P-DEHYDROGENASE (LOBSTR)	M. ROSSMANN 7/75
4GPD	APO-GLYCERALDEHYDE-3-P-DEHYDRGNSE (LBSTR)	GRIFFITH, SONG, ROSSMANN 1/88
3GPD	GLYCERALDEHYDE-3-P-DEHYDROGENASE (HUMAN)	H. WATSON, J. CAMPBELL 6/83
1GOX	GLYCOLATE OXIDASE (SPINACH)	Y. LINDQVIST 6/89
1GMA	GRAMICIDIN A (BACILLUS BREVIS)	D. LANGS 8/88
1HSC	HEAT-SHOCK COGNATE PROTEIN (ATPASE FRAGM)	D. MCKAY ET AL. 9/90 A
2HMG	HEMAGGLUTININ MUTANT (G146 (A) D)	D. WILEY ET AL. 9/89
3HMG	HEMAGGLUTININ MUTANT (L226 (A) Q)	D. WILEY ET AL. 9/89
4HMG	HEMAGGLUTININ MUTANT (L226 (A) Q) /SIALIC ACD	WILEY ET AL. 9/89
5HMG	HEMAGGLUTININ MUTANT (D112 (B) G) /SIALIC ACD	WILEY ET AL. 9/89
1HRB	HEMERYTHRIN B	W. HENDRICKSON 6/76 A
2HMQ	*HEMERYTHRIN (MET)	M. HOLMES, R. STENKAMP 10/90 R
2HMZ	*HEMERYTHRIN (AZIDOMET)	M. HOLMES, R. STENKAMP 10/90 R
1HMD	*HEMERYTHRIN (DEOXY)	R. STENKAMP ET AL. 10/90
1HMO	*HEMERYTHRIN (OXY)	R. STENKAMP ET AL. 10/90
1HR3	HEMERYTHRIN (AZIDO, MET, SIPHONOSOMA)	SMITH, HENDRICKSON, ADDISON 5/83 A
1HDS	HEMOGLOBIN (DEER, SICKLE CELL)	E. AMMA, R. GIRLING 10/79
2MHB	HEMOGLOBIN (HORSE, AQUO MET)	R. LADNER, HEIDNER, FERUTZ 2/77
2DHB	HEMOGLOBIN (HORSE, DEOXY)	M. PERUTZ, G. FERMI 11/73
2HHB	HEMOGLOBIN (HUMAN, DEOXY)	G. FERMI, M. PERUTZ 3/84
3HHB	HEMOGLOBIN (HUMAN, DEOXY, SYMMETRY AVRGD)	G. FERMI, M. PERUTZ 3/84
4HHB	HEMOGLOBIN (HUMAN, DEOXY, UNRESTRAINED)	G. FERMI, M. PERUTZ 3/84
1HCO	HEMOGLOBIN (HUMAN, CARBONMONOXY)	J. BALDWIN 8/79
2HCO	HEMOGLOBIN (HUMAN, CARBONMONOXY, NRG REFND)	J. BALDWIN 8/79
1HHO	HEMOGLOBIN (HUMAN, OXY)	B. SHAANAN 6/83
1THB	HEMOGLOBIN (HUMAN, T STATE, PARTIALLY OXY)	D. WALLER, R. LIDDINGTON 1/90
1FDH	HEMOGLOBIN (HUMAN, FETAL, DEOXY)	J. FRIER 8/76
1HBS	HEMOGLOBIN S (HUMAN, SICKLE CELL)	E. PADLAN, W. LOVE 6/82
1COH	HEMOGLOBIN (ALPHA-FERROUS, BETA-COBALTOUS)	B. LUISI 1/89
1SDH	HEMOGLOBIN (SCAPHARCA, DIMERIC, CO)	ROYER, HENDRICKSN, CHIANCONE 10/89
2SDH	HEMOGLOBIN (SCAPHARCA, DIMERIC, DEOXY)	ROYER, HENDRICKSN, CHIANCONE 1/91
2LHB	HEMOGLOBIN V (CYANO, MET, SEA LAMPREY)	HONZATKO, HENDRICKSON, LOVE 8/85

2YHX	HEXOKINASE (YEAST) FORM BIII	STEITZ, ANDERSON, STENKAMP	3/78
1HKG	HEXOKINASE A - GLUCOSE COMPLEX (YEAST)	W.BENNETT JR., T.STEITZ	12/80
1HIP	HIPIP (CHROMATIUM VINOSUM) (OXIDIZED)	J.KRAUT	4/75
5HIR	HIRUDIN (NMR, MIN AVERAGED STRUCTURE)	CLORE, GRONENBORN ET AL.	1/90
2HIR	HIRUDIN (NMR, 32 SRUCTURES)	CLORE, GRONENBORN ET AL.	12/88
6HIR	HIRUDIN (NMR, K47E, MIN AVERAGED STRUCTURE)	CLORE, GRONENBORN ET AL.	1/90
4HIR	HIRUDIN (NMR, K47E, 32 STRUCTURES)	CLORE, GRONENBORN ET AL.	12/88
1HLA	HISTOCOMPATIBILITY ANTIGEN A2 (HUMAN)	D.WILEY ET AL.	10/87 A
2HLA	HLA-AW68	GARRETT, SAPER, WILEY	10/89
3HLA	HLA-A2	D.WILEY ET AL.	10/89
2HVP	HIV-1 PROTEASE	M.NAVIA, P.FITZGERALD ET AL.	4/89 A
3HVP	HIV PROTEASE	WLODAWER, JASKOLSKI, MILLER	8/89
4HVP	HIV-1 PROTEASE/N-AC-TI (NLE-PSI-NLE) QR	A.WLODAWER ET AL.	11/89
5HVP	HIV-1 PROTEASE/ACETYL-PEPSTATIN COMPLEX	P.FITZGERALD ET AL.	4/90
3PHV	*HIV-1 PROTEASE	T.BLUNDELL ET AL.	8/91
1HRH	*HIV-1 REVERSE TRANSCRIPTASE (RNASEH DOMN)	J.DAVIES, D.MATTHEWS	3/91
1HYA	HYALURONIC ACID (NA SALT, 3-FOLD HELIX)	S.ARNOTT	11/77
2HYA	HYALURONIC ACID (NA SALT, 4-FOLD HELIX)	S.ARNOTT	5/78
3HYA	HYALURONIC ACID (NA SALT, 2-FOLD HELIX)	S.ARNOTT	5/78
4HYA	HYALURONIC ACID (CA SALT, 3-FOLD HELIX)	S.ARNOTT	5/78
1PHH	P-HYDROXYBENZOATE HYDROXYLASE COMPLEX	H.SCHREUDER, J.DRENTH	11/87
2PHH	P-HYDROXYBENZOATE HYDROXYLASE/ADPR	VAN DER LAAN, DRENTH, HOL	6/89
3HFM	HYHEL-10 FAB/LYSOZYME COMPLEX	E.PADLAN, D.DAVIES	8/88
1F19	FAB F19.9 (MOUSE)	R.POLJAK ET AL.	11/88
2FBJ	IGA FAB (KAPPA) J539	T.BHAT, E.PADLAN, D.DAVIES	8/89
1MCP	IGA FAB (KAPPA) MCPC603	SATOW, COHEN, PADLAN, DAVIES	7/84
2MCP	IGA FAB (KAPPA) MCPC603/PHOSPHOCHOLINE	E.PADLAN, G.COHEN, D.DAVIES	10/84
2FB4	IGG1 FAB (LAMBDA) KOL	M.MARQUART, R.HUBER	4/89
3FAB	IMMUNOGLOBULIN FAB' NEW	R.POLJAK	9/81
4FAB	IMMUNOGLOBULIN 4-4-20 FAB/FLUORESCIN	A.EDMUNDSON ET AL.	4/89
2HFL	HYHEL-5 FAB/LYSOZYME COMPLEX	S.SHERIFF, D.DAVIES	8/87
1FDL	FAB (IGG D1.3) COMPLEX WITH LYSOZYME	T.FISCHMANN, R.POLJAK ET AL	8/90
1MCW	IGG1 LIGHT CHAIN DIMER (MCG-WEIR HYBRID)	K.ELY, J.HERRON, A.EDMUNDSON	5/89
2MCG	IMMUNOGLOBULIN B-J INTACT MCG (ORTRHMBC)	K.ELY, J.HERRON, A.EDMUNDSON	5/89
3MCG	IMMUNOGLOBULIN B-J INTACT MCG (TRIGONAL)	K.ELY, J.HERRON, A.EDMUNDSON	5/89
1REI	IMMUNOGLOBULIN B-J FRAGMENT (V-DIMER) REI	O.EPP, R.HUBER	3/76
2RHE	IMMUNOGLOBULIN B-J FRAGMENT (V-MNMR) RHE	FUREY, WANG, YOO, SAX	6/83
1FC1	IMMUNOGLOBULIN FC (HUMAN)	J.DEISENHOFER	5/81
1FC2	IMMUNOGLOBULIN FC-FRAGMENT B COMPLEX	J.DEISENHOFER	5/81
1PFC	IGG PFC FRAGMENT	L.M.AMZEL	10/81
2IG2	IGG1 (LAMBDA) KOL	M.MARQUART, R.HUBER	4/89
1BJL	*IGG B-J LOC (CRYSTLZD IN AMMONIUM SULFAT)	M.SCHIFFER, Z.XU, C.CHANG	3/91
2BJL	*IGG B-J LOC (CRYSTALLIZED IN WATER)	M.SCHIFFER, Z.XU, C.CHANG	3/91
2INS	INSULIN (BOVINE, 2-ZINC) DES-PHE B1	C.REYNOLDS, G.DODSON	5/82
3INS	INSULIN (PORCINE, XRAY+NEUTRON)	A.WLODAWER, H.SAVAGE	10/88
4INS	INSULIN (PORCINE, 2-ZINC)	G.DODSON ET AL.	7/89
9INS	INSULIN (PIG, CUBIC)	J.BADGER, G.DODSON	10/91
1I1B	INTERLEUKIN 1B (HUMAN)	FINZEL, WATENPAUGH, EINSPAHR	12/89
2I1B	INTERLEUKIN 1B (HUMAN)	PRIESTLE, SCHAER, GRUETTER	1/90
4I1B	INTERLEUKIN 1B (HUMAN)	VEERAPANDIAN, POULOS ET AL.	3/90
5I1B	*INTERLEUKIN 1B (HUMAN)	DUPONT PROTEIN CRYSTLLGRPY	9/90
1I18	INTERLEUKIN 8 (NMR, AVERAGED STRUCTURE)	G.CLORE, A.GRONENBORN	3/90
2I18	INTERLEUKIN 8 (NMR, 30 STRUCTURES)	G.CLORE, A.GRONENBORN	3/90
1IFB	*INTESTINAL FATTY ACID BINDING PROTEIN	SACCHETTINI, BANASZAK, GORDN	12/90
2IFB	*FATTY ACID BINDING PROTEIN/PALMITIC ACIDS	SACCHETTINI, BANASZAK, GORDN	12/90
3ICD	ISOCITRATE DEHYDROGENASE	HURLEY, KOSHLAND, STROUD	12/89
4ICD	ISOCITRATE DEHYDROGENASE (PHOSPHORYLATED)	HURLEY, KOSHLAND, STROUD	12/89
5ICD	ISOCITRATE DEHYDROGENASE/MG ISOCITRATE	HURLEY, KOSHLAND, STROUD	5/90
6ICD	ISOCITRATE DEHYDROGENASE MUTANT (S113D)	SOHL, KOSHLAND, STROUD	5/90
7ICD	ISOCITRATE DEHYDROGENASE MUTANT (S113E)	HURLEY, KOSHLAND, STROUD	5/90
8ICD	ISOCITRATE DEHYDROGENASE (S113E)/MG ISCTR	HURLEY, KOSHLAND, STROUD	5/90
9ICD	ISOCITRATE DEHYDROGENASE/NADP+	HURLEY, KOSHLAND, STROUD	7/91
2PKA	KALLIKREIN A (PORCINE)	W.BODE, Z.CHEN	5/84
2KAI	KALLIKREIN A (PORCINE) /PTI (BOVINE)	W.BODE, Z.CHEN	5/84
1KGA	KDPG ALDOLASE	A.TULINSKY	8/78 A
1KES	KERATAN SULFATE	S.ARNOTT	5/78
1CPK	*C-AMP DEPENDENT KINASE (CATALYTIC SUBUNT)	J.SOWADSKI ET AL.	9/91
1ALC	ALPHA-LACTALBUMIN (BABOON)	ACHARYA, STUART, PHILLIPS	8/89
2BLM	BETA-LACTAMASE (B.LICHENIFORMIS)	P.MOEWS, J.KNOX, O.DIDEBERG	2/90 A
3BLM	BETA-LACTAMASE (S.AUREUS)	O.HERZBERG, J.MOULT	12/90 R

1LDB	APO-L-LDH (BACILLUS STEAROTHERMOPHILUS)	K. PIONTEK, M. ROSSMANN	3/89
2LDB	L-LDH/NAD/FRUCTOSE-1, 6-BISPHOSPHATE	K. PIONTEK, M. ROSSMANN	3/89
3LDH	LACTATE DEHYDROGENASE/NAD/PYRUVATE (DOGF)	M. ROSSMANN	11/74
1LDM	LACTATE DEHYDROGENASE/NADH/OXAMATE (DOGF)	J. GRIFFITH, M. ROSSMANN	11/87
6LDH	APO-M4-LACTATE DEHYDROGENASE (DOGFISH)	C. ABAD-ZAPATERO, M. ROSSMANN	11/87
8LDH	APO-M4-LACTATE DEHYDROGENASE/CITRATE	C. ABAD-ZAPATERO, M. ROSSMANN	1/88
1LLC	LACTATE DEHYDROGENASE (L. CASEI)	M. BUEHNER, H. HECHT, R. HENSEL	11/88
2LDX	LACTATE DEHYDROGENASE (MOUSE TESTES)	M. ROSSMANN	11/87
5LDH	LACTATE DEHYDROGENASE/S-LAC/NAD (PIG)	U. GRAU, M. ROSSMANN	10/80
2LTN	PEA LECTIN	SUDDATH, PHILLIPS, EINSPAHR	6/90
1LH1	LEGHEMOGLOBIN (ACETATE MET)	VAINSHTEIN, HARUTYUNYAN	4/82
2LH1	LEGHEMOGLOBIN (ACETATE MET)	VAINSHTEIN, HARUTYUNYAN	4/82
1LH2	LEGHEMOGLOBIN (AQUO MET)	VAINSHTEIN, HARUTYUNYAN	4/82
2LH2	LEGHEMOGLOBIN (AQUO MET)	VAINSHTEIN, HARUTYUNYAN	4/82
1LH3	LEGHEMOGLOBIN (CYANO MET)	VAINSHTEIN, HARUTYUNYAN	4/82
2LH3	LEGHEMOGLOBIN (CYANO MET)	VAINSHTEIN, HARUTYUNYAN	4/82
1LH4	LEGHEMOGLOBIN (DEOXY)	VAINSHTEIN, HARUTYUNYAN	4/82
2LH4	LEGHEMOGLOBIN (DEOXY)	VAINSHTEIN, HARUTYUNYAN	4/82
1LH5	LEGHEMOGLOBIN (FLUORO MET)	VAINSHTEIN, HARUTYUNYAN	4/82
2LH5	LEGHEMOGLOBIN (FLUORO MET)	VAINSHTEIN, HARUTYUNYAN	4/82
1LH6	LEGHEMOGLOBIN (NICOTINATE MET)	VAINSHTEIN, HARUTYUNYAN	4/82
2LH6	LEGHEMOGLOBIN (NICOTINATE MET)	VAINSHTEIN, HARUTYUNYAN	4/82
1LH7	LEGHEMOGLOBIN (FERRO) /NITROSOBENZENE	VAINSHTEIN, HARUTYUNYAN	4/82
2LH7	LEGHEMOGLOBIN (FERRO) /NITROSOBENZENE	VAINSHTEIN, HARUTYUNYAN	4/82
1LAP	LEUCINE AMINOPEPTIDASE (BOVINE LENS)	BURLEY, DAVD, TAYLR, LIPSCOMB	8/90
2LBP	LEUCINE BINDING PROTEIN (E. COLI)	F. QUIOCHO ET AL.	4/89
2LIV	LEU-ILE-VAL BINDING PROTEIN (E. COLI)	J. SACK, M. SAPER, F. QUIOCHO	4/89
2LZM	LYSOZYME (BACTERIOPHAGE T4)	L. WEAVER, B. MATTHEWS	8/86
3LZM	LYSOZYME (T4)	B. MATTHEWS ET AL.	5/89
1L01	LYSOZYME (T4) MUTANT (T155A, T157I)	B. MATTHEWS ET AL.	2/88
1L02	LYSOZYME (T4) MUTANT (T157A)	B. MATTHEWS ET AL.	2/88
1L03	LYSOZYME (T4) MUTANT (T157C)	B. MATTHEWS ET AL.	2/88
1L04	LYSOZYME (T4) MUTANT (T157D)	B. MATTHEWS ET AL.	2/88
1L05	LYSOZYME (T4) MUTANT (T157D)	B. MATTHEWS ET AL.	2/88
1L06	LYSOZYME (T4) MUTANT (T157E)	B. MATTHEWS ET AL.	2/88
1L07	LYSOZYME (T4) MUTANT (T157F)	B. MATTHEWS ET AL.	2/88
1L08	LYSOZYME (T4) MUTANT (T157G)	B. MATTHEWS ET AL.	2/88
1L09	LYSOZYME (T4) MUTANT (T157H)	B. MATTHEWS ET AL.	2/88
1L10	LYSOZYME (T4) MUTANT (T157I)	B. MATTHEWS ET AL.	2/88
1L11	LYSOZYME (T4) MUTANT (T157L)	B. MATTHEWS ET AL.	2/88
1L12	LYSOZYME (T4) MUTANT (T157N)	B. MATTHEWS ET AL.	2/88
1L13	LYSOZYME (T4) MUTANT (T157R)	B. MATTHEWS ET AL.	2/88
1L14	LYSOZYME (T4) MUTANT (T157S)	B. MATTHEWS ET AL.	2/88
1L15	LYSOZYME (T4) MUTANT (T157V)	B. MATTHEWS ET AL.	2/88
1L16	LYSOZYME (T4) MUTANT (G156D)	B. MATTHEWS ET AL.	2/88
1L17	LYSOZYME (T4) MUTANT (I3V)	B. MATTHEWS ET AL.	5/89
1L18	LYSOZYME (T4) MUTANT (I3Y)	B. MATTHEWS ET AL.	5/89
1L19	LYSOZYME (T4) MUTANT (S38D)	B. MATTHEWS ET AL.	5/89
1L20	LYSOZYME (T4) MUTANT (N144D)	B. MATTHEWS ET AL.	5/89
1L21	LYSOZYME (T4) MUTANT (N55G)	B. MATTHEWS ET AL.	5/89
1L22	LYSOZYME (T4) MUTANT (K124G)	B. MATTHEWS ET AL.	5/89
1L23	LYSOZYME (T4) MUTANT (G77A)	B. MATTHEWS ET AL.	5/89
1L24	LYSOZYME (T4) MUTANT (A82P)	B. MATTHEWS ET AL.	5/89
1L25	LYSOZYME (T4) MUTANT (P86A)	B. MATTHEWS ET AL.	5/89
1L26	LYSOZYME (T4) MUTANT (P86C)	B. MATTHEWS ET AL.	5/89
1L27	LYSOZYME (T4) MUTANT (P86D)	B. MATTHEWS ET AL.	5/89
1L28	LYSOZYME (T4) MUTANT (P86G)	B. MATTHEWS ET AL.	5/89
1L29	LYSOZYME (T4) MUTANT (P86H)	B. MATTHEWS ET AL.	5/89
1L30	LYSOZYME (T4) MUTANT (P86L)	B. MATTHEWS ET AL.	5/89
1L31	LYSOZYME (T4) MUTANT (P86R)	B. MATTHEWS ET AL.	5/89
1L32	LYSOZYME (T4) MUTANT (P86S)	B. MATTHEWS ET AL.	5/89
1L33	LYSOZYME (T4) MUTANT (V131A)	B. MATTHEWS ET AL.	5/89
1L34	LYSOZYME (T4) MUTANT (R96H)	B. MATTHEWS ET AL.	5/89
1L35	LYSOZYME (T4) MUTANT (C54T, C97A, I9C, L164C)	B. MATTHEWS ET AL.	10/89
1L36	LYSOZYME (T4) MUTANT (E128A, V131A, N132A)	X. ZHANG, W. BAASE, B. MATTHEWS	12/90
1L37	LYSOZYME (T4) MUTANT (T115E)	S. DAOPIN, B. MATTHEWS	1/91
1L38	LYSOZYME (T4) MUTANT (Q123E)	S. DAOPIN, B. MATTHEWS	1/91
1L39	LYSOZYME (T4) MUTANT (N144E, C54T, C97A)	S. DAOPIN, B. MATTHEWS	1/91
1L40	LYSOZYME (T4) MUTANT (N144E, C54T, C97A)	S. DAOPIN, B. MATTHEWS	1/91
1L41	LYSOZYME (T4) MUTANT (K83H, A112D, C54T, C97A)	S. DAOPIN, B. MATTHEWS	1/91

1L42	LYSOZYME (T4) MUTANT (K16E)	S. DAOPIN, B. MATTHEWS	1/91
1L43	LYSOZYME (T4) MUTANT (K16E)	S. DAOPIN, B. MATTHEWS	1/91
1L44	LYSOZYME (T4) MUTANT (R119E)	S. DAOPIN, B. MATTHEWS	1/91
1L45	LYSOZYME (T4) MUTANT (K135E)	S. DAOPIN, B. MATTHEWS	1/91
1L46	LYSOZYME (T4) MUTANT (K147E)	S. DAOPIN, B. MATTHEWS	1/91
1L47	LYSOZYME (T4) MUTANT (R154E)	S. DAOPIN, B. MATTHEWS	1/91
1L48	LYSOZYME (T4) MUTANT (A98V)	S. DAOPIN, B. MATTHEWS	1/91
1L49	LYSOZYME (T4) MUTANT (A98V, T152S)	S. DAOPIN, B. MATTHEWS	1/91
1L50	LYSOZYME (T4) MUTANT (A98V, V149C, T152S)	S. DAOPIN, B. MATTHEWS	1/91
1L51	LYSOZYME (T4) MUTANT (A98V, V149I, T152S)	S. DAOPIN, B. MATTHEWS	1/91
1L52	LYSOZYME (T4) MUTANT (T152S)	S. DAOPIN, B. MATTHEWS	1/91
1L53	LYSOZYME (T4) MUTANT (V149C)	S. DAOPIN, B. MATTHEWS	1/91
1L54	LYSOZYME (T4) MUTANT (C54T, C97A, M102K)	S. DAOPIN, B. MATTHEWS	1/91
1L55	LYSOZYME (T4) MUTANT (C54T, D92N, C97A)	H. NICHOLSON, B. MATTHEWS	5/91
1L56	LYSOZYME (T4) MUTANT (K60P)	H. NICHOLSON, B. MATTHEWS	5/91
1L57	LYSOZYME (T4) MUTANT (N116D)	H. NICHOLSON, B. MATTHEWS	5/91
1L58	LYSOZYME (T4) MUTANT (P143A)	H. NICHOLSON, B. MATTHEWS	5/91
1L59	LYSOZYME (T4) MUTANT (C54T, C97A, T109N)	H. NICHOLSON, B. MATTHEWS	5/91
1L60	LYSOZYME (T4) MUTANT (G113A)	H. NICHOLSON, B. MATTHEWS	5/91
1L61	LYSOZYME (T4) MUTANT (S38N, C54T, C97A)	H. NICHOLSON, B. MATTHEWS	5/91
1L62	LYSOZYME (T4) MUTANT (C54T, C97A, T109D)	H. NICHOLSON, B. MATTHEWS	5/91
1L63	LYSOZYME (T4) MUTANT (C54T, C97A)	H. NICHOLSON, B. MATTHEWS	5/91
1L64	LYSOZYME (T4) MUTANT (POLY ALA, 40-49)	D. HEINZ, B. MATTHEWS	9/91
1L65	LYSOZYME (T4) MUTANT (D47A, C54T, C97A)	D. HEINZ, B. MATTHEWS	9/91
1L66	LYSOZYME (T4) MUTANT (K43A, C54T, C97A)	D. HEINZ, B. MATTHEWS	9/91
1L67	LYSOZYME (T4) MUTANT (L46A, C54T, C97A)	D. HEINZ, B. MATTHEWS	9/91
1L68	LYSOZYME (T4) MUTANT (S44A, C54T, C97A)	D. HEINZ, B. MATTHEWS	9/91
1L69	LYSOZYME (T4) MUTANT (L133A)	X. -J. ZHANG, B. MATTHEWS	9/91
1L70	LYSOZYME (T4) MUTANT (V131A, N132A)	X. -J. ZHANG, B. MATTHEWS	9/91
1L71	LYSOZYME (T4) MUTANT (E128A, V131A)	X. -J. ZHANG, B. MATTHEWS	9/91
1L72	LYSOZYME (T4) MUTANT (D127A, E128A)	X. -J. ZHANG, B. MATTHEWS	9/91
1L73	LYSOZYME (T4) MUTANT (127A, 128A, 131A, 132A)	X. -J. ZHANG, B. MATTHEWS	9/91
1L74	LYSOZYME (T4) MUTANT (128A, 131A, 132A, 133A)	X. -J. ZHANG, B. MATTHEWS	9/91
1L75	LYSOZYME (T4) MUTANT (POLY ALA, 127-134)	X. -J. ZHANG, B. MATTHEWS	9/91
1L76	LYSOZYME (T4) MUTANT (D72P, C54T, C97A)	U. SAUER, B. MATTHEWS	9/91
1LYD	LYSOZYME (T4 EXPRESSED IN E. COLI)	D. ROSE	1/89
1LYZ	LYSOZYME (HEN EGG-WHITE, SET W2)	R. DIAMOND, D. PHILLIPS	2/75
2LYZ	LYSOZYME (HEN EGG-WHITE, SET RS5D)	R. DIAMOND, D. PHILLIPS	2/75
3LYZ	LYSOZYME (HEN EGG-WHITE, SET RS6A)	R. DIAMOND, D. PHILLIPS	2/75
4LYZ	LYSOZYME (HEN EGG-WHITE, SET RS9A)	R. DIAMOND, D. PHILLIPS	2/75
5LYZ	LYSOZYME (HEN EGG-WHITE, SET RS12A)	R. DIAMOND, D. PHILLIPS	2/75
6LYZ	LYSOZYME (HEN EGG-WHITE, SET RS16)	R. DIAMOND, D. PHILLIPS	2/75
7LYZ	LYSOZYME (HEN EGG-WHITE, TRICLINIC)	A. YONATH	5/77
1LZT	LYSOZYME (HEN EGG-WHITE, TRICLINIC)	HODSDON, BROWN, SIEKER, JENSON	4/85
2LZT	LYSOZYME (TRICLINIC)	RAMANADHAM, SIEKER, JENSEN	9/89
8LYZ	LYSOZYME (HEN EGG-WHITE, INACTIVATED)	S. OATLEY	9/77
9LYZ	LYSOZYME (HEN, NAM-NAG-NAM SUBSTRATE ONLY)	J. KELLY, M. JAMES	12/79
1LZH	LYSOZYME (HEN EGG-WHITE, MONOCLINIC)	ARTYMIUK, BLAKE, RICE, WILSON	6/81 A
2LZH	LYSOZYME (HEN EGG-WHITE, ORTHORHOMBIC)	ARTYMIUK, BLAKE, RICE, WILSON	6/81 A
1LYM	LYSOZYME (HEN EGG-WHITE, MONOCLINIC)	HOGLE, RAO, SUNDARALINGAM	7/82
2LYM	LYSOZYME (HEN EGG-WHITE, 1 ATM)	C. KUNDROT, F. RICHARDS	5/87
3LYM	LYSOZYME (HEN EGG-WHITE, 1000 ATM)	C. KUNDROT, F. RICHARDS	5/87
4LYM	LYSOZYME (HEN, LOW HUMIDITY, TETRAGONAL)	KODANDAPANI, SURESH, VIJAYAN	7/90
1LZ1	LYSOZYME (HUMAN)	P. ARTYMIUK, C. BLAKE	10/84
1LZ2	LYSOZYME (TURKEY EGG-WHITE)	R. BOTT, R. SARMA	9/81 A
2LZ2	LYSOZYME (TURKEY)	M. PARSONS, S. PHILLIPS	10/88
1CTF	L7/L12 50S RIBOSOMAL PROTEIN (C-TERMINAL)	M. LEIJONMARCK, A. LILJAS	9/86
4MDH	MALATE DEHYDROGENASE (PORCINE)	J. BIRKTOFT, L. BANASZAK	4/89
1MSB	*MANNOSE-BINDING PROTEIN A (LECTIN DOMAIN)	WEIS, DRICKAMER, HENDRICKSON	9/91
2MLT	MELITTIN	D. EISENBERG ET AL.	10/90
1MHU	METALLOTHIONEIN (HUMAN, ALPHA DOMAIN) (NMR)	K. WUTHRICH ET AL.	5/90
2MHU	METALLOTHIONEIN (HUMAN, BETA DOMAIN) (NMR)	K. WUTHRICH ET AL.	5/90
1MRB	METALLOTHIONEIN (RABBIT, ALPHA DOMN) (NMR)	K. WUTHRICH ET AL.	5/90
2MRB	METALLOTHIONEIN (RABBIT, BETA DOMAIN) (NMR)	K. WUTHRICH ET AL.	5/90
1MRT	METALLOTHIONEIN (RAT, ALPHA DOMAIN) (NMR)	K. WUTHRICH ET AL.	5/90
2MRT	METALLOTHIONEIN (RAT, BETA DOMAIN) (NMR)	K. WUTHRICH ET AL.	5/90
1MAD	METHYLAMINE DEHYDROGENASE	F. VELLIEUX, W. HOL	6/90 A
1MON	MONELLIN (SERENDIPITY BERRY)	S. -H. KIM	5/89 A
1MLE	MUCONATE LACTONIZING ENZYME	GOLDMAN, OLLIS, STEITZ	10/90 A
1MLI	MUCONOLACTONE ISOMERASE (P. PUTIDA)	S. KATTI, B. KATZ, H. WYCKOFF	11/89

1MVP	*MYELOBLASTOSIS ASSOCIATED VIRAL PROTEASE	DUPONT	CRYSTLLGRPY	9/90
1MBA	MYOGLOBIN (APLYSIA LIMACINA, MET)	PH 7.0	M. BOLOGNESI ET AL.	2/89
2MBA	MYOGLOBIN (A. LIMACINA, MET) / AZIDE	PH 7.0	M. BOLOGNESI ET AL.	2/89
3MBA	MYOGLOBIN (A. LIMACINA, MET) / FLUORIDE	PH 7.0	M. BOLOGNESI ET AL.	2/89
4MBA	MYOGLOBIN (A. LIMACINA, MET) / IMIDAZOLE		M. BOLOGNESI ET AL.	2/89
1PMB	MYOGLOBIN (PIG)		A. WILKINSON ET AL.	11/89
1MBS	MYOGLOBIN (SEAL, MET)		H. SCOULOUDI	3/79
1MBN	MYOGLOBIN (SPERM WHALE, MET)		H. WATSON	4/73
4MBN	MYOGLOBIN (SPERM WHALE, MET)		T. TAKANO	1/88
5MBN	MYOGLOBIN (SPERM WHALE, DEOXY)		T. TAKANO	1/88
1MBD	MYOGLOBIN (SPERM WHALE, DEOXY)		S. PHILLIPS	8/81
1MBO	MYOGLOBIN (SPERM WHALE, OXY)		S. PHILLIPS	8/81
2MB5	MYOGLOBIN (NEUTRON STUDY)		B. SCHOENBORN, X. CHENG	10/89
1MBC	MYOGLOBIN (SPERM WHALE, CARBONMONXY, 260 K)		J. KURIYAN, G. PETSKO	9/88
1MBW	MYOGLOBIN (SPERM WHALE) MUTANT (M0, D122N)		G. PHILLIPS	10/89
1MBI	MYOGLOBIN (SPERM WHALE) / IMIDAZOLE		M. BOLOGNESI ET AL.	6/90
2MHR	MYOHEMERYTHRIN		S. SHERIFF, W. HENDRICKSON	4/87
1NXB	NEUROTOXIN B (LATICAUDA SEMIFASCIATA)		D. TSERNOGLOU, G. PETSKO	8/80
1SH1	NEUROTOXIN 1 (NMR, AVERAGED STRUCTURE)		R. FOGH, R. NORTON	5/90
2SH1	NEUROTOXIN 1 (NMR, 8 STRUCTURES)		R. FOGH, R. NORTON	5/90
1SN3	SCORPION NEUROTOXIN (VARIANT 3)		C. BUGG ET AL.	12/82
10MD	ONCOMODULIN (RAT)		F. AHMED ET AL.	4/90
10VO	OVOMUCOID THIRD DOMAIN (JAPANESE QUAIL)		E. PAPAMOKOS, R. HUBER	1/82
20VO	OVOMUCOID THIRD DOMAIN (SILVER PHEASANT)		W. BODE, O. EPP	6/85
1XY1	DEAMINO-OXYTOCIN (WET FORM)		T. BLUNDELL ET AL.	5/87
1XY2	DEAMINO-OXYTOCIN (DRY FORM)		T. BLUNDELL ET AL.	5/87
2P21	C-H-RAS P21 PROTEIN (CATALYTIC DOMAIN)		S. -H. KIM	7/89 A
3P21	C-H-RAS P21 PROTEIN MUTANT (G12V)		S. -H. KIM	1/90 A
5P21	*C-HARVEY-RAS P21 PROTEIN/GPPNP		PAI, WITTINGHOFER, KABSCH	4/90
1PPT	AVIAN PANCREATIC POLYPEPTIDE		T. BLUNDELL	1/81
3DPA	PAP D		A. HOLMGREN, C. -I. BRANDEN	10/91
1PAD	PAPAIN (ACE-ALA-ALA-PHE-ALA, CYS-25)		J. DRENTH	11/76
2PAD	PAPAIN (CYS DERIV OF CYS-25)		J. DRENTH	11/76
9PAP	PAPAIN (OXIDIZED CYS 25)		I. KAMPHUIS, J. DRENTH	3/86
4PAD	PAPAIN (TOS-LYS, CYS-25)		J. DRENTH	11/76
5PAD	PAPAIN (BZOXY-GLY-PHE-GLY, CYS-25)		J. DRENTH	11/76
6PAD	PAPAIN (BZOXY-PHE-ALA, CYS-25)		J. DRENTH	11/76
1PPD	PAPAIN D		J. JANSONIUS	10/84
5PEP	PEPSIN (PORCINE)		T. BLUNDELL ET AL.	5/90 R
3PEP	PEPSIN (PORCINE)		C. ABAD-ZAPATERO, J. ERICKSON	10/89
4PEP	PEPSIN (PORCINE)		ANDREEVA, FEDOROV, JAMES	12/89
1PSG	PEPSINOGEN (PORCINE)		J. HARTSUCK, S. REMINGTON	10/88
1PHS	PHASEOLIN (FRENCH BEAN)		M. LAWRENCE ET AL.	3/90
1PFK	PHOSPHOFUCTOKINASE (E. COLI) -F6P-ADP/MG		Y. SHIRAKIHARA, P. EVANS	1/88
2PFK	PHOSPHOFUCTOKINASE (E. COLI)		W. RYPNIEWSKI, P. EVANS	1/88
3PFK	PHOSPHOFUCTOKINASE (B. STEAROTHERMOPHILS)		P. EVANS, P. HUDSON	1/88
4PFK	PHOSPHOFUCTOKINASE (B. ST.) -F6P-ADP/MG		P. EVANS, P. HUDSON	1/88
5PFK	PHOSPHOFUCTOKINASE (B. ST.) T-STATE		EVANS, FARRANTS, LAWRENCE	1/88 A
3PGK	PHOSPHOGLYCERATE KINASE (YEAST)		H. WATSON	7/82
2PGK	PHOSPHOGLYCERATE KINASE (HORSE)		P. EVANS, C. BLAKE	9/76 B
3PGM	PHOSPHOGLYCERATE MUTASE		H. WATSON	4/82
1BP2	PHOSPHOLIPASE A2 (BOVINE)		B. DIJKSTRA, J. DRENTH	4/81
2BP2	PROPHOSPHOLIPASE A2 (BOVINE)		B. DIJKSTRA, W. HOL, J. DRENTH	6/81
3BP2	PHOSPHOLIPASE A2 (BOVINE) TRANSAMINATED		B. DIJKSTRA, J. DRENTH	6/83
4BP2	PROPHOSPHOLIPASE A2 (BOVINE)		DUPONT PROTEIN CRYSTLLGRPY	9/90
1P2P	PHOSPHOLIPASE A2 (PORCINE)		B. DIJKSTRA ET AL.	6/83
3P2P	PHOSPHOLIPASE A2 (PORCINE) MUTANT		B. DIJKSTRA ET AL.	11/89
5P2P	PHOSPHOLIPASE A2 (PORCINE) MUTANT COMPLEX		B. DIJKSTRA ET AL.	9/90
4P2P	*PHOSPHOLIPASE A2 (PORCINE)		DUPONT PROTEIN CRYSTLLGRPY	10/91
1PP2	PHOSPHOLIPASE A2 (CA-FREE, RATTLESNAKE)		S. BRUNIE, P. SIGLER	3/86
1PHY	PHOTOACTIVE YELLOW PROTEIN		D. MCREE, J. TAINER, E. GETZOFF	8/89
1PRC	PHOTOSYNTHETIC REACTION CENTER		J. DEISENHOFER ET AL.	2/88
1PCY	PLASTOCYANIN (POPLAR, CU2+)		J. GUSS, H. FREEMAN	8/80
2PCY	PLASTOCYANIN (POPLAR, APO)		GARRETT, GUSS, FREEMAN	11/83
3PCY	PLASTOCYANIN (POPLAR, HG2+ SUBSTITUTED)		CHURCH, GUSS, POTTER, FREEMAN	12/85
4PCY	PLASTOCYANIN (CROSS-LINKED, CU1+, PH 7.8)		J. M. GUSS	9/86
5PCY	PLASTOCYANIN (POPLAR, CU1+, PH 7.0)		J. M. GUSS	9/86
6PCY	PLASTOCYANIN (POPLAR, CU1+, PH 3.8)		J. M. GUSS	9/86
7PCY	PLASTOCYANIN (ENTEROMORPHA, CU2+)		COLLYER, GUSS, FREEMAN	9/89
2PAB	PREALBUMIN (HUMAN, PLASMA)		S. OATLEY, C. BLAKE	9/77

2SGA	PROTEINASE A (STREPTOMYCES GRISEUS)	M. JAMES, A. SIELECKI	1/83
3SGA	PROTEINASE A (STREPTOMYCES GRISEUS)/INHBT	A. SIELECKI, M. JAMES	5/90
4SGA	PROTEINASE A (STREPTOMYCES GRISEUS)/INHBT	A. SIELECKI, M. JAMES	5/90
5SGA	PROTEINASE A (STREPTOMYCES GRISEUS)/INHBT	A. SIELECKI, M. JAMES	5/90
1SGC	PROTEINASE A (STREP. GRISEUS)/CHYMOSTATIN	L. DELBAERE, G. BRAYER	4/86
3SGB	PROTEINASE B (STREP. GRISEUS)/OMTKY3	A. SIELECKI ET AL.	1/83
4SGB	SGPB/PCI	GREENBLATT, RYAN, JAMES	9/89
2PRK	PROTEINASE K (TRITIRACHIUM ALBUM LIMBER)	C. BETZEL, G. PAL, W. SAENGER	11/87
3RP2	PROTEINASE II (RAT MAST CELL)	S. REMINGTON, B. MATTHEWS	9/84
1BUS	PROTEINASE INHIBITOR IIA (NMR, 5 STRUCTRS)	K. WUTHRICH ET AL.	5/90
2BUS	PROTEINASE INHIBITOR IIA (NMR, MIN AVRGD)	K. WUTHRICH ET AL.	5/90
1PAZ	PSEUDOAZURIN (ALCALIGENES FAECALIS)	PETRATOS, DAUTER, WILSON	6/88
2PAZ	PSEUDOAZURIN (ALCALIGENES FAECALIS)	E. ADMAN, K. PETRATOS	9/88
2PNP	*PURINE NUCLEOSIDE PHOSPHORYLASE (HUMAN)	S. EALICK ET AL.	2/91 A
1PYP	INORGANIC PYROPHOSPHATASE	E. HARUTYUNYAN ET AL.	2/83
1PYK	PYRUVATE KINASE (CAT)	H. MUIRHEAD	1/80 A
1R69	R1-69 N-TERMINUS OF 434 REPRESSOR	S. HARRISON ET AL.	12/88
2OR1	R1-69 (PHAGE 434)/OR1 COMPLEX	AGGARWAL, ANDERSON, HARRISON	9/89
1LRP	LAMBDA REPRESSOR (BACTERIOPHAGE LAMBDA)	C. PABO, M. LEWIS	12/87 A
1LRD	LAMBDA REPRESSOR/DNA	S. JORDAN, C. PABO	10/88
1RSL	*RESOLVASE (GAMMA DELTA) (LARGE FRAGMENT)	T. STEITZ ET AL.	9/91 A
1RBP	RETINOL-BINDING PROTEIN (HUMAN)	JONES, NEWCOMER, COWAN	4/90
1RHD	RHODANESE	W. HOL	12/77
5RSA	RIBONUCLEASE A (X-RAY+NEUTRON)	A. WLODAWER	4/85
6RSA	RIBONUCLEASE A/URIDINE VANADATE COMPLEX	A. WLODAWER	2/86
3RN3	RIBONUCLEASE A (BOVINE)	HOWLIN, MOSS, HARRIS, PALMER	10/91 R
7RSA	RIBONUCLEASE A (PHOSPHATE-FREE)	A. WLODAWER, G. GILLILAND	6/88
8RSA	RIBONUCLEASE A/DT	J. NACHMAN, A. WLODAWER	8/89
9RSA	RIBONUCLEASE A/DU	J. NACHMAN, A. WLODAWER	8/89
1RSM	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
1RNH	RIBONUCLEASE H (E. COLI)	W. YANG, W. HENDRICKSON ET AL	7/90
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
4RNT	*RIBONUCLEASE T1 MUTANT (H92A)	W. SAENGER, G. KOELLNER	2/90
1RNA	RNA (U (UA) 6A)	A. DOCK-BREGEON	2/90
2RSP	ROUS SARCOMA VIRUS PROTEASE	WLODAWER, MILLER, JASKOLSKI	10/89
5RUB	RUBISCO (RHODOSPIRILLUM RUBRUM)	SCHNEIDER, LINDQVIST, LINDQVIST	5/90 R
1RUS	RUBISCO (R. RUBRUM) /3-PHOSPHOGLYCERATE	T. LINDQVIST, G. SCHNEIDER	10/91
2RUS	RUBISCO (RHODOSPIRILLUM RUBRUM) /CO2/MG2+	T. LINDQVIST, G. SCHNEIDER	10/91
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)	STENKAMP, SIEKER, JENSEN	1/90
1RDG	RUBREDOXIN (DESULFOVIBRIO GIGAS)	M. FREY, L. SIEKER, F. PAYAN	3/88
7RXN	RUBREDOXIN (DESULFOVIBRIO VULGARIS)	E. ADMAN, L. SIEKER, L. JENSEN	5/90 R
2SNS	STAPHYLOCOCCAL NUCLEASE	M. LEGG, F. A. COTTON, E. HAZEN	5/82
1SNC	STAPH NUCLEASE/CA2+/PDTP	P. LOLL, E. LATTMAN	7/89
1SNM	STAPH NUCLEASE MUTANT (E43D)	P. LOLL, E. LATTMAN	2/90
2SSI	SUBTILISIN INHIBITOR (STREPTOMYCES)	Y. MITSUI ET AL.	4/80
1SBC	SUBTILISIN CARLSBERG	D. NEIDHART, G. PETSKO	5/88
2SEC	SUBTILISIN CARLSBERG/EGLIN COMPLEX	C. MCPHALEN, M. JAMES	9/88
1CSE	SUBTILISIN CARLSBERG/EGLIN COMPLEX	W. BODE	6/88
1SBT	SUBTILISIN BPN'	J. KRAUT	8/72
1S01	SUBTILISIN BPN' MUTANT	M. WHITLOW, A. HOWARD, J. WOOD	8/89
1S02	*SUBTILISIN BPN' MUTANT (Q19E, Q271E)	C. ERWIN ET AL.	2/91
2SBT	SUBTILISIN NOVO	J. DRENTH	9/76
2SNI	SUBTILISIN NOVO/CHYMOTRYPSIN INHIBITOR	C. MCPHALEN, M. JAMES	9/88
1SIC	SUBTILISIN BPN'/SSI COMPLEX	Y. MITSUI ET AL.	4/84 A
2ST1	SUBTILISIN (BAS)	R. BOTT ET AL.	5/90
1ST2	SUBTILISIN (BASOX)	R. BOTT ET AL.	3/90
2SOD	SUPEROXIDE DISMUTASE	J. RICHARDSON, D. RICHARDSON	3/80
1THI	THAUMATIN I (KETEMFE BERRY)	S. -H. KIM	5/89 A
2AIT	TENDAMISTAT (NMR, 9 STRUCTURES)	K. WUTHRICH ET AL.	5/89
3AIT	TENDAMISTAT (NMR, MINIMIZED USING AMBER)	K. WUTHRICH ET AL.	5/90
4AIT	TENDAMISTAT (NMR, MINIMIZED USING FANTOM)	K. WUTHRICH ET AL.	5/90
1TEC	THERMITASE/EGLIN-C COMPLEX	P. GROS, B. DIJKSTRA, W. HOL	5/89
2TEC	*THERMITASE/EGLIN-C COMPLEX (5MM CACL2)	GROS, BETZEL, DAUTER	10/90

3TEC	*THERMITASE/EGLIN-C COMPLEX (100MM CACL2)	P.GROS, W.HOL	10/90
3TLN	THERMOLYSIN (NATIVE)	B.MATTHEWS, M.HOLMES	2/82
4TLN	THERMOLYSIN (L-LEU-NHOH)	B.MATTHEWS, M.HOLMES	2/82
5TLN	THERMOLYSIN (HONH-BZMALONYL-A-G-NTROANLD)	B.MATTHEWS, M.HOLMES	2/82
7TLN	THERMOLYSIN (CH2CO (N-OH) LEUOCH3)	B.MATTHEWS, M.HOLMES	1/83
1TLP	THERMOLYSIN/PHOSPHORAMIDON INHBTR CMLPX	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/ZGPLL INHIBITOR COMPLEX	B.MATTHEWS ET AL.	6/87
6TMN	THERMOLYSIN/ZGPOLL INHIBITOR COMPLEX	TRONRUD, HOLDEN, MATTHEWS	6/87
1SRX	THIOREDOXIN (E. COLI, OXIDIZED)	B.-O.SODERBERG	5/76 A
1TRX	THIOREDOXIN (REDUCED, NMR, 12 STRUCTURES)	P.WRIGHT ET AL.	1/90
2TRX	THIOREDOXIN (ESCHERICHIA COLI)	KATTI, LEMASTER, EKLUND	3/90
3TRX	*THIOREDOXIN (HUMAN, NMR, MIN AVERAGED)	FORMAN-KAY, CLORE, GRONENBRN12	2/90
4TRX	*THIOREDOXIN (HUMAN, NMR, 33 STRUCTURES)	FORMAN-KAY, CLORE, GRONENBRN12	2/90
3TMS	THYMIDYLATE SYNTHETASE (E.COLI)	J.FINER-MOORE	9/91
2TSC	THYMIDYLATE SYNTHETASE COMPLEX (E.COLI)	J.FINER-MOORE	7/91
4TMS	*THYMIDYLATE SYNTHETASE (L.CASEI)	J.FINER-MOORE, R.STROUD	1/92
1PPT	THYMIDINE PHOSPHORYLASE/THYMINES/504	S.EALICK ET AL.	6/90 A
1TON	TONIN (RAT)	M.FUJINAGA, M.JAMES	6/87
1ATX	TOXIN ATX IA (SEA ANEMONE) (NMR, 8 STRCTRS)	K.WUTHRICH ET AL.	5/90
2TRA	TRANSFER RNA (YEAST ASP, FORM A)	E.WESTHOF, P.DUMAS, D.MORAS	11/87
3TRA	TRANSFER RNA (YEAST ASP, FORM B)	E.WESTHOF, P.DUMAS, D.MORAS	11/87
1TN1	TRANSFER RNA (YEAST, PHE, PB, PH 7.4)	DEWAN, BROWN, HINGERTY, KLUG	12/86
1TN2	TRANSFER RNA (YEAST, PHE, PB, PH 5.0)	J.DEWAN, 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.WESTHOF, P.DUMAS, D.MORAS	11/87
4TGF	TRANSFORMING GROWTH FACTOR ALPHA (NMR, 3)	T.KLINE ET AL.	7/91
1TGL	TRIACYLGLYCEROL LIPASE	VANDIEPEN, DEREWENDA ET AL.	2/90 A
1TIM	TRIOSE PHOSPHATE ISOMERASE	I.WILSON, D.PHILLIPS	9/76
2TIM	TRIOSE PHOSPHATE ISOMERASE (TRYPANOSOMA)	R.WIERENGA, W.HOL ET AL.	5/90
3TIM	TRIOSE PHOSPHATE ISOMERASE (SULFATE-FREE)	WIERENGA, NOBLE, HOL ET AL.	5/90
1YPI	TRIOSE PHOSPHATE ISOMERASE (YEAST)	T.ALBER, E.LOLIS, G.PETSKO	1/90
2YPI	TIM (YEAST) /2- PHOSPHOGLYCOLATE	T.ALBER, E.LOLIS, 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	ARO-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
1TLD	TRYPSIN (BOVINE, ORTHORHOMBIC)	BARTUNIK, SUMMERS, BARTSCH	7/89
3PTN	TRYPSIN (TRIGONAL, 2.4M (NH4)2SO4)	J.WALTER, R.HUBER, W.BODE	10/81
3PTB	TRYPSIN (BENZAMIDINE INHIBITED)	W.BODE, P.SCHWAGER, J.WALTER	9/82
1TPP	TRYPSIN/P-AMIDINO-PHENYL-PYRUVATE	J.WALTER, W.BODE, R.HUBER	9/82
4PTP	TRYPSIN (DIP INHIBITED)	CHAMBERS, STROUD, FINER-MOORE	4/88
1NTP	MODIFIED BETA TRYPSIN (NEUTRON)	A.KOSSIACOFF	9/87
1TRM	TRYPSIN (RAT) MUTANT (D102N)	SPRANG, STANDING, FLETTERICK	10/87
2TRM	TRYPSIN (RAT) MUTANT (D102N)/BENZAMIDINE	R.STROUD, J.FINER-MOORE	4/88
4PTI	TRYPSIN INHIBITOR (BOVINE, PANCREAS)	R.HUBER, J.DEISENHOFER	9/82
5PTI	TRYPSIN INHIBITOR (BOVINE, XRAY+NEUTRON)	A.WLODAWER, R.HUBER	10/84
6PTI	TRYPSIN INHIBITOR (FORM III, BOVINE)	A.WLODAWER	5/87
7PTI	TRYPSIN INHIBITOR MUTANT (C30A, C51A)	EIGENBROT, RANDAL, KOSSIACOFF	3/90
8PTI	TRYPSIN INHIBITOR MUTANT (Y35G)	D.HOUSSET	12/90
2ETI	TRYPSIN INHIBITOR EETI II (NMR)	B.CASTRO ET AL.	7/91
1CTI	*TRYPSIN INHIBITOR (NMR, MIN AVRGD STRUCTR)	T.HOLAK ET AL.	8/90
2CTI	*TRYPSIN INHIBITOR (NMR, 5 STRUCTURES)	T.HOLAK ET AL.	8/90
2PTC	TRYPSIN/TRYPSIN INHIBITOR COMPLEX	R.HUBER, J.DEISENHOFER	9/82
1TPA	TRYPSIN (ANHYDRO)/TRYPSIN INHIBITOR	HUBER, BODE, DEISENHOFER	9/82
1TAB	*TRYPSIN/BOWMAN-BIRK INHIBITOR AB-I	Y.TSUNOGAE ET AL.	10/90
1SGT	TRYPSIN (STREPTOMYCES GRISEUS)	R.READ, M.JAMES	4/88
1TGN	TRYPSINOGEN	A.KOSSIACOFF, R.STROUD	9/79
2TGA	TRYPSINOGEN (2.4M MGSO4)	J.WALTER, R.HUBER, W.BODE	10/81
1TGC	TRYPSINOGEN (.5 CH3OH, .5 HOH)	J.WALTER, R.HUBER, W.BODE	10/81
1TGT	TRYPSINOGEN (173 K, .7 CH3OH, .3 HOH)	J.WALTER, R.HUBER, W.BODE	10/81

2TGT	TRYPSINOGEN (103 K, .7 CH3OH, .3 HOH)	J. WALTER, R. HUBER, W. BODE	10/81
1TGB	TRYPSINOGEN (WITH CA, FROM PEG)	BODE, FEHLHAMMER, HUBER	3/79
2TGD	TRYPSINOGEN (DIP-INHIBITED, BOVINE)	M. JONES, R. STROUD	3/86
2TGP	TRYPSINOGEN/TRYPsin INHIBITOR	R. HUBER ET AL.	9/82
3TPI	TRYPSINOGEN/TRYPsin INHIBITOR/ILE-VAL	R. HUBER ET AL.	9/82
2TPI	TRYPSINOGEN/PTI/ILE-VAL (MERCURATED)	J. WALTER, R. HUBER, W. BODE	10/81
4TPI	TRYPSINOGEN/ARG-15-PTI/VAL-VAL	W. BODE, J. WALTER	6/85
1TGS	TRYPSINOGEN/PSTI	R. HUBER ET AL.	9/82
1WSY	TRYPTOPHAN SYNTHASE (S. TYPHIMURIUM)	D. DAVIES ET AL.	9/88
1TNF	TUMOR NECROSIS FACTOR	M. ECK, S. SPRANG	8/89
2TS1	TYROSYL TRNA SYNTHETASE	P. BRICK, T. BHAT, D. BLOW	6/89
3TS1	TYROSYL TRNA SYNTHETASE/TYROSINYL ADNYLT	P. BRICK, T. BHAT, D. BLOW	6/89
4TS1	TYROSYL TRNA SYNTHETASE MUTANT	P. BRICK, T. BHAT, D. BLOW	6/89
1UBQ	UBIQUITIN (HUMAN)	VIJAY-KUMAR, BUGG, COOK	1/87
1UTG	UTEROGLOBIN (RABBIT)	J. MORNON ET AL.	3/89
2UTG	UTEROGLOBIN (RABBIT)	R. BALLY, J. DELETTRE	5/89
1VSG	*VARIANT SURFACE GLYCOPROTEIN (N-TERM DMN)	D. FREYMANN, J. DOWN, D. WILEY	10/90
1BMV	BEAN POD MOTTLE VIRUS	J. JOHNSON	10/89
2MEV	MENGO VIRUS	M. ROSSMANN	4/89
2PLV	POLIO VIRUS	D. FILMAN, J. HOGLE	10/89
1R1A	RHINOVIRUS 1A	M. ROSSMANN ET AL.	12/88
4RHV	RHINOVIRUS 14 (HUMAN)	E. ARNOLD, M. ROSSMANN	1/88
2RS1	RHINOVIRUS/ANTIVIRAL AGENT 1S COMPLEX	M. ROSSMANN ET AL.	10/88
2RR1	RHINOVIRUS/ANTIVIRAL AGENT 1R COMPLEX	M. ROSSMANN ET AL.	10/88
2RM2	RHINOVIRUS/ANTIVIRAL AGENT 2 COMPLEX	M. ROSSMANN ET AL.	10/88
2RS3	RHINOVIRUS/ANTIVIRAL AGENT 3S COMPLEX	M. ROSSMANN ET AL.	10/88
2R04	RHINOVIRUS/ANTIVIRAL AGENT 4 COMPLEX	M. ROSSMANN ET AL.	10/88
2RS5	RHINOVIRUS/ANTIVIRAL AGENT 5S COMPLEX	M. ROSSMANN ET AL.	10/88
2R06	RHINOVIRUS/ANTIVIRAL AGENT 6 COMPLEX	M. ROSSMANN ET AL.	10/88
2R07	RHINOVIRUS/ANTIVIRAL AGENT 7 COMPLEX	M. ROSSMANN ET AL.	10/88
1R08	RHINOVIRUS/ANTIVIRAL AGENT 8 COMPLEX	M. ROSSMANN ET AL.	10/88
1R09	RHINOVIRUS 14/R61837	M. ROSSMANN ET AL.	5/90
1RMU	RHINOVIRUS MUTANT ((1)C199Y)	M. ROSSMANN ET AL.	10/88
2RMU	RHINOVIRUS MUTANT ((1)V188L)	M. ROSSMANN ET AL.	10/88
2STV	VIRUS (SATELLITE TOBACCO NECROSIS)	T. A. JONES, L. LILJAS	6/84
4SBV	VIRUS COAT PROTEIN (SOUTHERN BEAN MOSAIC)	M. ROSSMANN	4/85
2TMV	VIRUS (TOBACCO MOSAIC)	G. STUBBS	9/88
2TBV	VIRUS (TOMATO BUSHY STUNT)	S. HARRISON	6/84
1X1A	D-XYLOSE ISOMERASE (ARTHROBACTER)	D. BLOW	2/88 A
3X1A	XYLOSE ISOMERASE (STREP. OLIVOCROMOGENES)	G. FARBER, G. PETSKO	2/89
4X1A	D-XYLOSE ISOMERASE (ARTHROBACTER) /SORBITOL	K. HENRICK, C. COLLYER, D. BLOW	6/89
5X1A	D-XYLOSE ISOMERASE (ARTHROBACTER) /XYLITOL	K. HENRICK, C. COLLYER, D. BLOW	6/89
6X1A	XYLOSE ISOMERASE (STREPTOMYCES ALBUS)	Z. DAUTER, H. TERRY, K. WILSON	9/90
7X1A	D-XYLOSE ISOMERASE (S. RUBIGINOSUS)	H. CARRELL ET AL.	10/90 R
8X1A	D-XYLOSE ISOMERASE (S. RUBIGINOSUS) /D-XYLOSE	H. CARRELL ET AL.	10/90
9X1A	D-XYLOSE ISOMERASE (S. RUBIGINOSUS) /INHIB	H. CARRELL ET AL.	10/90
1ZNF	ZINC FINGER (NMR)	P. WRIGHT	9/89
2ZNF	ZINC FINGER (NMR, 16 STRUCTURES)	SUMMERS, SOUTH, KIM, HARE	3/90
3ZNF	*ZINC FINGER (NMR, MINIMUM AVERAGED)	G. CLORE, A. GRONENBORN	7/90
4ZNF	*ZINC FINGER (NMR, 40 STRUCTURES)	G. CLORE, A. GRONENBORN	7/90

MODEL STRUCTURES

1ATF	*ANTIFREEZE PROTEIN (WINTER FLOUNDER) MODEL	K.-C. CHOU	10/91
1APD	APOLIPOPROTEIN D (HUMAN) MODEL	M. PEITSCH, M. BOGUSKI	12/89
2CLN	CALMODULIN/TRIFLUOPERAZINE MODEL	N. STRYNADKA, M. JAMES	2/88
2CP1	CYTOTOXIC CELL PROTEASE 1 MODEL	M. MURPHY, M. JAMES	10/90
1APK	CAMP-DEPENDENT PROTEIN KINASE (IA) MODEL	I. WEBER	3/89
1BPK	CAMP-DEPENDENT PROTEIN KINASE (IB) MODEL	I. WEBER	3/89
2APK	CAMP-DEPENDENT PROTEIN KINASE (IIA) MODEL	I. WEBER	3/89
2BPK	CAMP-DEPENDENT PROTEIN KINASE (IIB) MODEL	I. WEBER	3/89
1DN7	DNA (POLY (DG)-POLY (DC), SYNTHETIC) MODEL	M. MCCALL, T. BROWN, O. KENNARD	5/87
2ZNA	DNA (Z-I, CGCGCG, SYNTHETIC) MODEL	A. RICH	2/81
3ZNA	DNA (Z-II, CGCGCG, SYNTHETIC) MODEL	A. RICH	2/81
1DNN	DNA (ATCGGCTAAG...) MODEL	J. SUSSMAN, E. TRIFONOV	11/82
2GAP	CATABOLITE GENE ACTIVATOR PTN/DNA MODEL	I. WEBER, T. STEITZ	3/86 A
1FLX	FELIX (DESIGNED PROTEIN) MODEL 1	QUINN, RICHARDSON, RICHARDSON	7/90
3FLX	FELIX (DESIGNED PROTEIN) MODEL 2	QUINN, RICHARDSON, RICHARDSON	8/91
1HF1	HANNUKA FACTOR MODEL	M. MURPHY, M. JAMES	12/89
1DHL	DELTA HEMOLYSIN (STAPH. AUREUS) MODEL 1	G. RAGHUNATHAN, H. R. GUY	7/90

2DHL	DELTA HEMOLYSIN (STAPH.AUREUS) MODEL 2	G.RAGHUNATHAN, H.R.GUY	7/90
3DHL	DELTA HEMOLYSIN (STAPH.AUREUS) MODEL 3	G.RAGHUNATHAN, H.R.GUY	7/90
1HVP	HIV-1 PROTEASE MODEL	I.WEBER	3/89
1IGE	IMMUNOGLOBULIN E (FC FRAGMENT) MODEL	E.PADLAN, D.DAVIES	1/85
1HFM	HYHEL-10 ANTIBODY, FV REGION MODEL	C.MAINHART	10/87
2HFM	HYHEL-10/LYSOZYME COMPLEX 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
1GF1	INSULIN-LIKE GROWTH FACTOR I MODEL	BLUNDELL, BEDARKAR, HUMBEL	12/82
1GF2	INSULIN-LIKE GROWTH FACTOR II MODEL	BLUNDELL, BEDARKAR, HUMBEL	12/82
2MVP	*MYELOBLASTOSIS VIRAL PROTEASE/TFQAYPLREADUPONT PROTEIN CRYSTLLGRPY		9/90
1MLP	MUREIN LIPOPROTEIN MODEL	A.MCLACHLAN	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
7TMN	THERMOLYSIN SUBSTRATE (TRANSITION) MODEL	B.MATTHEWS ET AL.	6/87
1TNC	TROPONIN (CA-BINDING COMPONENT) MODEL	R.KRETSINGER, C.D.BARRY	6/80 A

* NEW OR REPLACEMENT ENTRY SINCE OCT-1991 NEWSLETTER

STATUS CODES

BLANK STANDARD ENTRY AVAILABLE FOR DISTRIBUTION

A ALPHA CARBON ATOMS ONLY

B BACKBONE ONLY

R RECENT (1990-1992) REPLACEMENT FOR AN OUT-OF-DATE PARAMETER SET

TABLE 4 - PROTEIN DATA BANK, BIBLIOGRAPHIC ENTRIES (NO COORDINATES)

0EAP	ACID PROTEINASE (ENDOTHIA PARASITICA)
0ACD	ACYL-COA DEHYDROGENASE
0AKA	ADENYLATE KINASE-1, P5-DI (ADENOSINE-5'-) PENTAPHOSPHATE
0AKN	ADENYLATE KINASE
0ALD	ALDOLASE A
0AFP	ANTIFREEZE POLYPEPTIDE (AFP) (HPLC-6)
0AF1	APOFERRITIN (HORSE)
0MAA	MITOCHONDRIAL ASPARTATE AMINOTRANSFERASE
0ACS	ASPARTATE CARBAMOYLTRANSFERASE-CARBAMOYL PHOSPHATE-SUCCINATE COMPLEX
0RNB	BARNASE (BACILLUS AMYLOLIQUEFACIENS)
0BGT	ALPHA-BUNGAROTOXIN
0CPT	CALCIUM-BINDING PARVALBUMIN (TOADFISH) / TERBIUM COMPLEX
0PAL	CALCIUM-BINDING PARVALBUMIN BETA (PIKE)
0CDI	CALOTROPIN DI (CALOTROPIS GIGANTEA)
0CPS	CARBOXYPEPTIDASE A (ALPHA) / GLYCYL-L-TYROSINE (-9 DEGREES C)
0CPN	CATABOLITE GENE ACTIVATOR PROTEIN 91
0ZGP	D-ALANYL-D-ALANINE PEPTIDASE (ZN2+ G PEPTIDASE)
0GCB	GAMMA-CHYMOTRYPSIN/3-BENZYL-6-CHLORO-2-PYRONE
0GCI	GAMMA-CHYMOTRYPSIN - INACTIVATOR COMPLEX
0COL	COLICIN A (C-TERMINAL DOMAIN)
0CN2	CONCANAVALIN A (DEMETALLIZED)
0CYS	CYSTATIN
0CCI	CYTOCHROME C PEROXIDASE COMPOUND I
05C1	CYTOCHROME C555 (CHLOROBIUM THIOSULFATOPHILUM)
0CPF	CYTOCHROME P450CAM (SUBSTRATE-FREE)
0DNI	DEOXYRIBONUCLEASE I (DNASE I)
0C3A	DES-ARG77-C3A ANAPHYLATOXIN
0DF5	R67 DIHYDROFOLATE REDUCTASE (ESCHERICHIA COLI)
0DN2	DNA (CGCAAATTCGCG, SYNTHETIC)
0DN3	DNA (CGCGAATAGCG, SYNTHETIC)
0DAC	DNA (GCGTACGC, SYNTHETIC) COMPLEX WITH TRIOSTIN
0DN1	DNA (GGGGTCCC, SYNTHETIC)
0AN8	DNA (GGTATACC)
0ANB	DNA (GG+UA+UACC)
0GTC	DNA (A, GGGGCTCC, SYNTHETIC)
0EPC	ELASTASE-(THR-PRO-NVAL-NMELEU-TYR-THR) COMPLEX AT 292 DEGREES KELVIN
0EVC	ELASTASE-MEO-SUC-ALA-ALA-PRO-VAL CHLOROMETHYL KETONE

OESC ELASTASE COMPLEX WITH TWO MOLECULES OF ACE-ALA-PRO-ALA
OESZ ELASTASE COMPLEX (PIG)
OEXA EXOTOXIN A (PSEUDOMONAS AERUGINOSA)
OFEI FERREDOXIN I
OFX3 FLAVODOXIN (OXIDIZED, ANACYSTIS NIDULANS)
OFX2 FLAVODOXIN (REDUCED, CLOSTRIDIUM MP)
OGBP D-GALACTOSE-BINDING PROTEIN (ESCHERICHIA COLI)
OGLS GLUTAMINE SYNTHETASE (SALMONELLA TYPHIMURIUM)
OHR5 HEAVY RIBOFLAVIN SYNTHASE
OHPI HEMOCYANIN (PANULIRUS INTERRUPTUS)
ODCH HEMOGLOBIN (COBALT, DEOXY)
OHBG HEMOGLOBIN (GLYCERA DIBRANCHIATA)
OHBT 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)
OZIN INSULIN (2ZN-INSULIN PHENOL)
OILT INTERLEUKIN-2
ORIF INTESTINAL FATTY ACID-BINDING PROTEIN
OLPC LIPOVITELLIN-PHOSVITIN COMPLEX
OLZG LYSOZYME G (GOOSE-TYPE)
OGLM LYSOZYME (EMBDEN GOOSE)
OLZ5 LYSOZYME (HEN EGG-WHITE, NEUTRON STUDY)
OLZE LYSOZYME (HEN EGG-WHITE, DEUTERATED ETHANOL)
OLZT LYSOZYME (HEN EGG-WHITE, HIGH-TEMPERATURE)
OLZ6 LYSOZYME (STREPTOMYCES ERYTHRAEUS)
OTEL LYSOZYME (TORTOISE EGG-WHITE)
OB2M BETA2-MICROGLOBULIN
OMMD MITOCHONDRIAL MALATE DEHYDROGENASE (PORCINE)
OMBM MYOGLOBIN (SPERM WHALE, MET, TEMPERATURE STUDIES)
OMB3 MYOGLOBIN (SPERM WHALE, MET, NEUTRON STUDY)
OPEC PAPAINE-E-64 COMPLEX
OPGL PHOSPHOGLUCOMUTASE (RABBIT)
OPPA PHOSPHORYLASE A (RABBIT)
OPB1 PHOSPHORYLASE B (RABBIT)
OCPC C-PHYCOCYANIN (AGMENELLUM QUADRUPPLICATUM)
OFFB PLATELET FACTOR 4
OFF1 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 ERYTHREUS)
ORPL RIBOSOMAL PROTEIN L30
ORIC RICIN (RCAII)
OCSB STREPTAVIDIN-BIOTIN COMPLEX
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
OTT4 THIOREDOXIN (BACTERIOPHAGE T4)
OFMT INITIATOR TRANSFER RNA (E. COLI, F/MET)
OTR1 TRANSFER RNA (YEAST, PHE)
OMTS METHIONYL TRANSFER RNA SYNTHETASE
OTFD TRANSFERRIN (DIFERRIC)
OTMD TRIMETHYLAMINE DEHYDROGENASE
OTRO 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-1991 NEWSLETTER

TABLE 5 - PROTEIN DATA BANK. STRUCTURE FACTOR HOLDINGS

IDENT CODE	MOLECULE	DEPOSITOR	DATE/ CODE
PART 1 - AVAILABLE ON NONST1TP			
R1ACTSF	ACTINIDIN	E. BAKER	7/77 SF
CHYMOF	ALPHA-CHYMOTRYPSIN (TOSYL)	D. BLOW	4/73 SF
RCARP04	CA-BINDING PARVALBUMIN (CARP)	R. KRETSINGER	2/74 SF
RCARP05	CA-BINDING PARVALBUMIN (CARP)	R. KRETSINGER	2/74 SF
R2B5CSF	CYTOCHROME B5	F. S. MATHEWS	12/77 SF
R3CYTSF	CYTOCHROME C (ALBACORE, OXIDIZED)	T. TAKANO, R. DICKERSON	7/80 SF
R4CYTSF	CYTOCHROME C (ALBACORE, REDUCED)	T. TAKANO, R. DICKERSON	7/80 SF
RCYC5501	CYTOCHROME C550	R. TIMKOVICH	4/76 SF
R1ZNASF	DNA (Z', CGCG, HIGH-SALT, SYNTHETIC)	H. DREW, R. DICKERSON	1/81 SF
R1BNASF	DNA (B, CGCGAATTCGCG, SYNTHETIC, 290 K)	H. DREW, R. DICKERSON	1/81 SF
RGPD04	GLYCERALDEHYDE-3-P-DEHYDROGENASE (LOBSTR)	M. ROSSMANN	8/75 SF
R2GPDSF	APO-GLYCERALDEHYDE-3-P-DEHYDROGENASE	M. ROSSMANN	12/79 SF
R2MHBSF	HEMOGLOBIN (HORSE, AQUO MET AND CO)	LADNER, HEIDNER, PERUTZ	6/80 SF
R1FDHSF	HEMOGLOBIN (HUMAN, FETAL, DEOXY)	J. FRIER	6/80 SF
RHUMDEH02	HEMOGLOBIN (HUMAN, DEOXY)	M. PERUTZ, G. FERMI	5/75 SF
LAMPRY1	HEMOGLOBIN (LAMPREY)	HENDRICKSON, LOVE, KARLE	5/73 SF
RLDH06	APO-M4-LACTATE DEHYDROGENASE (DOG FISH)	M. ROSSMANN	8/75 SF
RLDH07	LACTATE DEHYDROGENASE/NAD/PYRUVATE	M. ROSSMANN	8/75 SF
R5LDHSF	LACTATE DEHYDROGENASE/S-LAC/NAD (PIG)	U. GRAU, M. ROSSMANN	1/81 SF
R1LZHSF	LYSOZYME (HEN EGG-WHITE, MONOCLINIC)	C. BLAKE, D. RICE	6/81 SF
R2LZHSF	LYSOZYME (HEN EGG-WHITE, ORTHORHOMBIC)	C. BLAKE, D. RICE	6/81 SF
RMETMYSF1	MYOGLOBIN (SPERM WHALE, MET)	T. TAKANO	6/76 SF
RDEMYSF1	MYOGLOBIN (SPERM WHALE, DEOXY)	T. TAKANO	6/76 SF
R4TNASF	TRANSFER RNA (YEAST, PHE)	A. JACK, J. LADNER, A. KLUG	6/80 SF
PART 2 - AVAILABLE ON NONST2TP			
R1CCRSF	CYTOCHROME C (RICE)	H. OCHI, N. TANAKA	3/83 SF
R351CSF	CYTOCHROME C551 (OXIDIZED)	T. TAKANO, R. DICKERSON	9/81 SF
R451CSF	CYTOCHROME C551 (REDUCED)	T. TAKANO, R. DICKERSON	9/81 SF
R1ANASF	DNA (A, D-IODO-CCGG) SPACE GROUP P 43 21 2	B. CONNER, R. DICKERSON	6/82 SF
R1ANAP2	DNA (A, D-IODO-CCGG) SPACE GROUP P 21	B. CONNER, R. DICKERSON	6/82 SF
R2BNASF	DNA (B, CGCGAATTCGCG, SYNTHETIC, 16 K)	H. DREW, R. DICKERSON	11/81 SF
R3BNASF	DNA (B, 9-BR-CGCGAATTCGCG, 20 DEG C)	KOPKA, FRATINI, DICKERSON	2/82 SF
R4BNASF	DNA (B, 9-BR-CGCGAATTCGCG, 7 DEG C)	KOPKA, FRATINI, DICKERSON	2/82 SF
R5BNASF	DNA (B, CGCGAATTCGCG, SYNTHETIC) /CISPLATIN	WING, PJURA, DREW, DCKRSN	8/83 SF
R1GAASF	GLUTAMINASE-ASPARAGINASE (ACINETOBACTER)	H. AMMON	12/82 SF
R1GASSF	GLUTAMINASE-ASPARAGINASE (PSEUDOMONAS 7A)	H. AMMON	12/82 SF
R1HM0SF	HEMERYTHRIN (MET)	STENKAMP, SIEKER, JENSEN	2/83 SF
R1HMZSF	HEMERYTHRIN (AZIDO, MET)	STENKAMP, SIEKER, JENSEN	2/83 SF
R2INSSF	INSULIN (BOVINE, 2-ZINC) DES-PHE B1	C. REYNOLDS, G. DODSON	5/82 SF
R1LH1SF	LEGHEMOGLOBIN (ACETATE MET)	VAINSHTEIN, HARUTYUNYAN	4/82 SF
R2LH1SF	LEGHEMOGLOBIN (ACETATE MET)	VAINSHTEIN, HARUTYUNYAN	4/82 SF
R1LH2SF	LEGHEMOGLOBIN (AQUO MET)	VAINSHTEIN, HARUTYUNYAN	4/82 SF
R2LH2SF	LEGHEMOGLOBIN (AQUO MET)	VAINSHTEIN, HARUTYUNYAN	4/82 SF
R1LH3SF	LEGHEMOGLOBIN (CYANO MET)	VAINSHTEIN, HARUTYUNYAN	4/82 SF
R2LH3SF	LEGHEMOGLOBIN (CYANO MET)	VAINSHTEIN, HARUTYUNYAN	4/82 SF
R1LH4SF	LEGHEMOGLOBIN (DEOXY)	VAINSHTEIN, HARUTYUNYAN	4/82 SF
R2LH4SF	LEGHEMOGLOBIN (DEOXY)	VAINSHTEIN, HARUTYUNYAN	4/82 SF
R1LH5SF	LEGHEMOGLOBIN (FLUORO MET)	VAINSHTEIN, HARUTYUNYAN	4/82 SF
R2LH5SF	LEGHEMOGLOBIN (FLUORO MET)	VAINSHTEIN, HARUTYUNYAN	4/82 SF
R1LH6SF	LEGHEMOGLOBIN (NICOTINATE MET)	VAINSHTEIN, HARUTYUNYAN	4/82 SF
R2LH6SF	LEGHEMOGLOBIN (NICOTINATE MET)	VAINSHTEIN, HARUTYUNYAN	4/82 SF
R1LH7SFR	LEGHEMOGLOBIN (FERRO) /NITROSOBENZENE	VAINSHTEIN, HARUTYUNYAN	2/83 SF
R2LH7SF	LEGHEMOGLOBIN (FERRO) /NITROSOBENZENE	VAINSHTEIN, HARUTYUNYAN	4/82 SF
R1LYMSF	LYSOZYME (HEN EGG-WHITE, MONOCLINIC)	HOGLE, RAO, SUNDARALINGAM	7/82 SF
R1MLTSF	MELITTIN	TERWILLIGER, EISENBERG	8/81 SF
R1OVOSF	OVOMUCOID FRAGMENT (JAPANESE QUAIL)	E. PAPAMOKOS, R. HUBER	1/82 SF
R2BP2SF	PROPHOSPHOLIPASE A2 (BOVINE)	DIJKSTRA, HOL, DRENTH	9/81 SF
R1PYPSF	INORGANIC PYROPHOSPHATASE	E. HARUTYUNYAN ET AL.	2/83 SF
R1RN3SF	RIBONUCLEASE A	BORKAKOTI, MOSS, PALMER	6/82 SF
R3TLNSF	THERMOLYSIN (NATIVE)	B. MATTHEWS, M. HOLMES	2/82 SF
R2PTNSF	TRYPsin (ORTHORHOMBIC, 2.4M (NH4)2SO4)	J. WALTER, R. HUBER	10/81 SF

R1TPOSF	TRYPSIN (ORTHORHOMBIC)	BODE, WALTER, HUBER	9/82 SF
R3PTNSF	TRYPSIN (TRIGONAL, 2.4M (NH4)2SO4)	J. WALTER, R. HUBER	10/81 SF
R3PTBSF	TRYPSIN (BENZAMIDINE INHIBITED)	BODE, SCHWAGER, WALTER	9/82 SF
R1TPPSF	TRYPSIN/P-AMIDINO-PHENYL-PYRUVATE	WALTER, BODE, HUBER	9/82 SF
R4PTISF	TRYPSIN INHIBITOR (BOVINE, PANCREAS)	R. HUBER, J. DEISENHOFER	9/82 SF
R2PTCSF	TRYPSIN/TRYPSIN INHIBITOR COMPLEX	R. HUBER, J. DEISENHOFER	9/82 SF
R1TPASF	TRYPSIN (ANHYDRO)/TRYPSIN INHIBITOR	HUBER, BODE, DEISENHOFER	9/82 SF
R2TGASF	TRYPSINOGEN (2.4M MGSO4)	J. WALTER, R. HUBER	10/81 SF
R1TGCSF	TRYPSINOGEN (.5 CH3OH, .5 HOH)	J. WALTER, R. HUBER	10/81 SF
R1TGTSF	TRYPSINOGEN (173 K, .7 CH3OH, .3 HOH)	J. WALTER, R. HUBER	10/81 SF
R2TGTSF	TRYPSINOGEN (103 K, .7 CH3OH, .3 HOH)	J. WALTER, R. HUBER	10/81 SF
R2TGPSF	TRYPSINOGEN/TRYPSIN INHIBITOR	R. HUBER ET AL.	9/82 SF
R3TPISF	TRYPSINOGEN/TRYPSIN INHIBITOR/ILE-VAL	R. HUBER ET AL.	9/82 SF
R2TPISF	TRYPSINOGEN/PTI/ILE-VAL (MERCURATED)	J. WALTER, R. HUBER	10/81 SF
R1TGSSF	TRYPSINOGEN/PSTI	R. HUBER ET AL.	9/82 SF

PART 3 - AVAILABLE ON NONST3TP

R1CATSF	CATALASE (BEEF LIVER)	M. ROSSMANN	11/81 SF
R4CHASF	ALPHA-CHYMOTRYPSIN (BOVINE)	H. TSUKADA, D. BLOW	11/84 SF
R2GCHSF	GAMMA-CHYMOTRYPSIN	COHEN, DAVIES, SILVERTON	7/84 SF
R2C2CSF	CYTOCHROME C2 (OXIDIZED)	BHATIA, FINZEL, KRAUT	11/83 SF
R3C2CSF	CYTOCHROME C2 (REDUCED)	BHATIA, FINZEL, KRAUT	11/83 SF
R2ANASF	DNA (A, GGGGCCCC, SYNTHETIC)	MCCALL, BROWN, KENNARD	8/85 SF
R6BNASF	DNA (B, CGCGAATTCGCG, SYNTHETIC)/NETROPSIN	M. KOPKA, R. DICKERSON	8/84 SF
R7BNASF	DNA (B, CGCGAATTCGCG, ANISO TEMP FACTORS)	HOLBROOK, DICKERSON, KIM	1/85 SF
R1FX1SF	FLAVODOXIN (D. VULGARIS, UNREFINED)	WATENPAUGH, SIEKR, JENSN10	8/84 SF
R1GP1SF	GLUTATHIONE PEROXIDASE (BOVINE)	O. EPP, R. LADENSTEIN	6/85 SF
R2HHBSF	HEMOGLOBIN (HUMAN, DEOXY)	G. FERMI, M. PERUTZ	3/84 SF
R1HHOSF	HEMOGLOBIN (HUMAN, OXY)	B. SHAANAN	3/84 SF
R1MCP SF	IGA FAB (KAPPA) MCPC603	G. COHEN ET AL.	7/84 SF
R2MCP SF	IGA FAB (KAPPA) MCPC603/PHOSPHOCHOLINE	PADLAN, COHEN, DAVIES	10/84 SF
R1PFC SF	IGG PFC FRAGMENT	S. BRYANT ET AL.	4/85 SF
R1LZT SF	LYSOZYME (HEN EGG-WHITE, TRICLINIC)	HSDSN, BRWN, SIEKR, JENSN	4/85 SF
R1MBOSF	MYOGLOBIN (SPERM WHALE, OXY)	S. PHILLIPS	3/84 SF
R2OVOSF	OVOMUCOID THIRD DOMAIN (SILVER PHEASANT)	W. BODE, O. EPP	6/85 SF
R1PPDSF	PAPAIN D	J. JANSONIUS	10/84 SF
R3RP2SF	PROTEINASE II (RAT MAST CELL)	S. REMINGTON, B. MATTHEWS	9/84 SF
R5PTISFX	PTI (X-RAY)	A. WLODAWER, R. HUBER	10/84 SF
R5PTISFN	PTI (NEUTRON)	A. WLODAWER, R. HUBER	10/84 SF
R5RSASF	RIBONUCLEASE A (X-RAY)	A. WLODAWER	6/85 SF
R5RSASF	RIBONUCLEASE A (NEUTRON)	A. WLODAWER	6/85 SF
R5RXNSF	RUBREDOXIN (C. PASTEURIANUM)	WATENPAUGH, SIEKR, JENSN10	8/84 SF
R2VSBSF	VIRUS COAT PROTEIN (SBMV, T=1)	M. ROSSMANN	4/85 SF
R4SBVSF	VIRUS COAT PROTEIN (SOUTHERN BEAN MOSAIC)	M. ROSSMANN	4/85 SF

PART 4 - AVAILABLE ON NONST4TP

R2APRSF	RHIZOPUSPEPSIN (ACID PROTEINASE)	K. SUGUNA, D. DAVIES	3/87 SF
R3WGASF	AGGLUTININ (WHEAT GERM, ISOLECTIN 2)	C. WRIGHT	8/86 SF
R2AZASF	AZURIN (ALCALIGENES DENITRIFICANS)	E. BAKER, G. NORRIS	10/86 SF
R3ICBSF	CALCIUM-BINDING PROTEIN (INTESTINAL)	D. SZEBENYI, K. MOFFAT	9/86 SF
R2CCYSF	CYTOCHROME C'	B. FINZEL ET AL.	8/85 SF
R2CYP SF	CYTOCHROME C PEROXIDASE (YEAST)	FINZEL, POULOS, KRAUT	8/85 SF
R8BNASF	DNA (CGCGAATTCGCG, SYNTHETIC)/HOECHST 33258P	P. PJURA, R. DICKERSON	8/86 SF
R1DN4SF	DNA (-BR-CG-BR-CG-BR-CG, SYNTHETIC, 18 DEG C)	D. MORAS ET AL.	12/86 SF
R1DN5SF	DNA (-BR-CG-BR-CG-BR-CG, SYNTHETIC, 37 DEG C)	D. MORAS ET AL.	12/86 SF
R1RSM SF	LYS 7-DNP-LYS 41 RIBONUCLEASE A	B. FINZEL ET AL.	8/85 SF
R1CTFSF	L7/L12 50S RIBOSOMAL PROTEIN (C-TERMINAL)	M. LEIJONMARCK, A. LILJAS	9/86 SF
R2MHR SF	MYOHEMERYTHRIN	SHERIFF, HENDRICKSON	4/87 SF
R1RNT SF	RIBONUCLEASE T1/GUANYLIC ACID COMPLEX	W. SAENGER ET AL.	7/87 SF
R6PTISF	TRYPSIN INHIBITOR (FORM III, BOVINE)	A. WLODAWER	5/87 SF
R1VP1SF	POLYOMA VIRUS CAPSID	RAYMENT, BAKER, CASPAR	3/83 SF

PART 5 - AVAILABLE ON NONST5TP

R1MEVSF	MENGO VIRUS	M. ROSSMANN	2/87 SF
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PART 6 - AVAILABLE ON NONST6TP

R3APRSF	ACID PROTEINASE/PEPTIDE INHIBITOR COMPLXK.	SUGUNA, D.DAVIES	6/87 SF
R9DNASF	DNA (A, GCCCCGGC, SYNTHETIC)	U.HEINEMANN	7/88 SF
R1DNHSF	DNA (CGCGAATTCGCG)-HOECHST 33258 COMPLEX	A.WANG ET AL.	2/88 SF
R3DNBSF	DNA (CCAAGATTGG)	G.PRIVE, R.DICKERSON	3/88 SF
R1D16SF	DNA (CGCGCGTTTTTCGCGC)	R.DICKERSON ET AL.	4/88 SF
R3ANASF	DNA (A, GGGATCCC, SYNTHETIC)	U.HEINEMANN, H.LAUBLE	7/88 SF
R3ESTSF	ELASTASE (PORCINE)	E.MEYER ET AL.	9/87 SF
R3INSSF	INSULIN (PORCINE, NEUTRON DATA ONLY)	A.WLODAWER, H.SAVAGE	10/88 SF
R1PFKSF	PHOSPHOFRUCTOKINASE (E. COLI)-F6P-ADP/MG	Y.SHIRAKIHARA, P.EVANS	1/88 SF
R2PFKSF	PHOSPHOFRUCTOKINASE (E. COLI)	W.RYPNIEWSKI, P.EVANS	1/88 SF
R3PFKSF	PHOSPHOFRUCTOKINASE (B. ST.)	P.EVANS, P.HUDSON	1/88 SF
R4PFKSF	PHOSPHOFRUCTOKINASE (B. ST.)	P.EVANS, P.HUDSON	1/88 SF
R5PFKSF	PHOSPHOFRUCTOKINASE (B. ST.) T-STATE	EVANS, FARRANTS, LAWRENCE	1/88 SF
R1PAZSF	PSEUDOAZURIN (ALCALIGENES FAECALIS)	PETRATOS, DAUTER, WILSON	6/88 SF
R7RSASF	RIBONUCLEASE A (PHOSPHATE-FREE)	A.WLODAWER, G.GILLILAND	6/88 SF
R4RHVSFA	RHINOVIRUS 14 (HUMAN)	E.ARNOLD, M.ROSSMANN	8/87 SF
R4RHVSFB	RHINOVIRUS 14 (HUMAN) 5MM KAU (CN) 2 DERIV	E.ARNOLD, M.ROSSMANN	8/87 SF
R4RHVSFC	RHINOVIRUS 14 (HUMAN) 1MM KAU (CN) 2 DERIV	E.ARNOLD, M.ROSSMANN	8/87 SF

PART 7 - AVAILABLE ON NONST7TP

R4CPVSF	CA-BINDING PARVALBUMIN (CARP)	KUMAR, LEE, EDWARDS	10/89 SF
R5CYTSF	CYTOCHROME C (ALBACORE, REDUCED)	T.TAKANO	1/88 SF
R1BD1SF	DNA (CCAGGCCTGG)	U.HEINEMANN	8/89 SF
R1DN9SF	DNA (CGCATATATGCG)	C.YOON, R.DICKERSON	4/89 SF
R4GPDSF	APO-GLYCERALDEHYDE-3-P-DEHYDRGNSE (LBSTR)	GRIFFITH, SONG, ROSSMANN	1/88 SF
R2HMGSF	HEMAGGLUTININ MUTANT (G146 (A) D)	D.WILEY ET AL.	10/89 SF
R3HMGSF	HEMAGGLUTININ MUTANT (L226 (A) Q)	D.WILEY ET AL.	10/89 SF
R4HMGSF	HEMAGGLUTININ MUTANT (L226 (A) Q) /SIALIC ACD.	WILEY ET AL.	10/89 SF
R5HMGSF	HEMAGGLUTININ MUTANT (D112 (B) G) /SIALIC ACD.	WILEY ET AL.	10/89 SF
R1COHSF	HEMOGLOBIN (ALPHA-FERROUS, BETA-COBALTOUS)	B.LUISI	1/89 SF
R3HFMSF	HYHEL-10 FAB/LYSOZYME COMPLEX	E.PADLAN, D.DAVIES	8/88 SF
R2FBJSF	IGA FAB (KAPPA) J539	BHAT, PADLAN, DAVIES	8/89 SF
R1LDBSF	APO-L-LDH (BACILLUS STEAROTHERMOPHILUS)	K.PIONTEK, M.ROSSMANN	3/89 SF
R2LDBSF	L-LDH/NAD/FRUCTOSE-1, 6-BISPHOSPHATE	K.PIONTEK, M.ROSSMANN	3/89 SF
R1LLCSF	LACTATE DEHYDROGENASE (L.CASEI)	BUEHNER, HECHT, HENSEL	11/88 SF
R2LDXSF	LACTATE DEHYDROGENASE (MOUSE TESTES)	M.ROSSMANN	11/87 SF
R2LZTSF	LYSOZYME (TRICLINIC)	RAMANADHAM, SIEKER, JNSN	9/89 SF
R2LZ2SF	LYSOZYME (TURKEY)	M.PARSONS, S.PHILLIPS	10/88 SF
R4MDHSF	MALATE DEHYDROGENASE (PORCINE)	J.BIRKTOFT, L.BANASZAK	4/89 SF
R1PMBSF	MYOGLOBIN (PIG)	A.WILKINSON ET AL.	11/89 SF
R4MBNSF	MYOGLOBIN (SPERM WHALE, MET)	T.TAKANO	1/88 SF
R5MBNSF	MYOGLOBIN (SPERM WHALE, DEOXY)	T.TAKANO	1/88 SF
R5PEPSF	PEPSIN (PORCINE)	T.BLUNDELL ET AL.	5/90 SF
R1PRCSF	PHOTOSYNTHETIC REACTION CENTER	J.DEISENHOFER ET AL.	2/88 SF
R2RNTSF	RIBONUCLEASE T1/GUANYL-2', 5'-GUANOSINE	U.HEINEMANN ET AL.	7/88 SF
R2RSPSF	ROUS SARCOMA VIRUS PROTEASE	A.WLODAWER ET AL.	10/89 SF
R1RDGSF	RUBREDOXIN (DESULFOVIBRIO GIGAS)	FREY, SIEKER, PAYAN	3/88 SF
R1SNCSF	STAPH NUCLEASE/CA2+/PDTP	P.LOLL, E.LATTMAN	7/89 SF
R1TECSF	THERMITASE/EGLIN-C COMPLEX	GROS.DIJKSTRA, HOL	5/89 SF
R2TRASF	TRANSFER RNA (YEAST, ASP, FORM A)	WESTHOF, DUMAS, MORAS	11/87 SF
R3TRASF	TRANSFER RNA (YEAST, ASP, FORM B)	WESTHOF, DUMAS, MORAS	11/87 SF

PART 8 - AVAILABLE ON NONST8TP

R4APRSF	ACID PROTEASE (R.PEPSIN) /INHIBITOR	K.SUGUNA, D.DAVIES	8/89 SF
R5APRSF	ACID PROTEASE (R.PEPSIN) /INHIBITOR	K.SUGUNA, D.DAVIES	8/89 SF
R6APRSF	ACID PROTEASE (R.PEPSIN) /INHIBITOR	K.SUGUNA, D.DAVIES	8/89 SF
R1BRDSF	BACTERIORHODOPSIN (ELECTRON DIFFRACTION)	R.HENDERSON ET AL.	5/90 SF
R3B5CSF	CYTOCHROME B5 (BOVINE)	F.S.MATHEWS, R.DURLEY	1/90 SF
R256BSF	CYTOCHROME B562 (ESCHERICHIA COLI)	HAMADA, BETHGE, MATHEWS	1/90 SF
R1BDNSFA	DNA (CGCAAAAATGCG)	T.STEITZ ET AL.	4/89 SF
R1BDNSFB	DNA (CGCAAAAATGCG) (5BR-U AT 21)	T.STEITZ ET AL.	4/89 SF
R1THBSF	HEMOGLOBIN (HUMAN, T STATE, PARTIALLY OXY)	D.WALLER, R.LIDINGTON	1/90 SF
R1SDHSF	HEMOGLOBIN (SCAPHARCA, DIMERIC, CO)	W.ROYER ET AL.	10/89 SF
R2SDHSF	HEMOGLOBIN (SCAPHARCA, DIMERIC, DEOXY)	W.ROYER ET AL.	1/91 SF
R2LYMSF	LYSOZYME (HEN EGG-WHITE, 1 ATM)	C.KUNDROT, F.RICHARDS	5/90 SF
R3LYMSF	LYSOZYME (HEN EGG-WHITE, 1000 ATM)	C.KUNDROT, F.RICHARDS	5/90 SF
R2MB5SF	MYOGLOBIN (NEUTRON STUDY)	NUNES, SCHOENBORN ET AL	10/89 SF
R1OMDSF	ONCOMODULIN (RAT)	F.AHMED ET AL.	4/90 SF

R6RXNSF	RUBREDOXIN (DESULFOVIBRIO DESULFURICANS)	STENKAMP, SIEKER, JENSEN	1/90 SF
R7RXNSF	RUBREDOXIN (DESULFOVIBRIO VULGARIS)	ADMAN, SIEKER, JENSEN	5/90 SF
R1SNMSF	STAPH NUCLEASE MUTANT (E43D)	P. LOLL, E. LATTMAN	2/90 SF
R1BMVSF	BEAN POD MOTTLE VIRUS	J. JOHNSON	10/89 SF

PART 9 - AVAILABLE ON NONST9TP

R1A1LSF	ALPHA-1 (SYNTHETIC PEPTIDE)	C. HILL ET AL.	7/90 SF
R3AATSF	*ASPARTATE AMINOTRANSFERASE MUTANT R386F	DANSHFSKY, RINGE, PETSKO	12/90 SF
R3CROSF	CRO/20 BASE PAIR DNA CONTAINING OR1	A. MONDRAGON, S. HARRISON	7/90 SF
R4CROSF	*CRO (BACTERIOPHAGE LAMBDA)/17 BP DNA OR3	B. MATTHEWS ET AL.	9/90 SF
R1D23SF	DNA (CGATCGATCG)	K. YANAGI, R. DICKERSON	8/90 SF
R5DNBSF	DNA (CCAACGTTGG)	G. PRIVE, R. DICKERSON	3/90 SF
R1D24SF	*DNA (CGC+GCG)	S. GINELL	8/90 SF
R2D25SF	*DNA (CCAGGC (5MC) TGG)	U. HEINEMANN ET AL.	1/92 SF
R1D27SF	*DNA (CGC (O6MEG) AATTTGCG)	G. LEONARD ET AL.	9/90 SF
R1D28SF	*DNA (CGTGAATTCACG)	S. GINELL ET AL.	12/90 SF
R28DNSF	*DNA (GTACGTAC)	C. COURSEILLE ET AL.	3/90 SF
R1FXISF	FERREDOXIN I (APHANOTHECE SACRUM)	T. TSUKIHARA	8/90 SF
R4GR1SF	GLUTATHIONE REDUCTASE/RETRO-GSSG	G. SCHULZ, W. JANES	3/90 SF
R2HMQSF	*HEMERYTHRIN (MET)	M. HOLMES, R. STENKAMP	10/90 SF
R2HMZSF	*HEMERYTHRIN (AZIDOMET)	M. HOLMES, R. STENKAMP	10/90 SF
R1HMDSF	*HEMERYTHRIN (DEOXY)	R. STENKAMP ET AL.	10/90 SF
R1HMOSF	*HEMERYTHRIN (OXY)	R. STENKAMP ET AL.	10/90 SF
R1BULSF	*IGG B-J LOC (CRYSTLZD IN AMMONIUM SULFAT)	SCHIFFER, XU, CHANG	3/91 SF
R2BULSF	*IGG B-J LOC (CRYSTALLIZED IN WATER)	SCHIFFER, XU, CHANG	3/91 SF
R9INSSF	INSULIN (PIG, CUBIC)	J. BADGER, G. DODSON	11/91 SF
R4LYMSF	LYSOZYME (HEN, LOW HUMIDITY, TETRAGONAL)	VIJAYAN ET AL.	7/90 SF
R1MBISF	MYOGLOBIN (SPERM WHALE) /IMIDAZOLE	M. BOLOGNESI ET AL.	6/90 SF
R4P2PSF	*PHOSPHOLIPASE A2 (PORCINE)	DUPONT PROTEIN CRYSTLL	11/90 SF
R4BP2SF	PROPHOSPHOLIPASE A2 (BOVINE)	DUPONT PROTEIN CRYSTLL	1/91 SF
R1TRCSF	TR2C FRAGMENT OF CALMODULIN	L. SJOLIN ET AL.	1/90 SF
R1R09SF	RHINOVIRUS 14/R61837	M. ROSSMANN ET AL.	5/90 SF
R6XIASF	XYLOSE ISOMERASE (STREPTOMYCES ALBUS)	DAUTER, TERRY, WILSON	9/90 SF

* NEW OR REPLACEMENT ENTRY SINCE OCT-1991 NEWSLETTER

CODES

SF STRUCTURE FACTORS

TABLE 6 - PROTEIN DATA BANK, NMR EXPERIMENTAL DATA ENTRIES

IDENT CODE	MOLECULE	DEPOSITOR	DATE/ CODE
R2BDSMR	BDS-I (SEA ANEMONE) (NMR)	CLORE, DRISCOLL, GRNNBRN	11/88 M
R2CBHMR	CELLOBIOHYDROLASE 1 (NMR)	G. CLORE, A. GRONENBORN	5/89 M
R1C5AMR	COMPLEMENT C5A (DES-ARG) (NMR)	M. WILLIAMSON, V. MADISON	6/90 M
R1D18MR	DNA (CATGCATG) (NMR)	J. BALEJA, B. SYKES	8/90 M
R1D19MR	DNA (GTACGTAC) (NMR)	J. BALEJA, B. SYKES	8/90 M
R1D20MR	DNA (TCTATCACCG) (NMR)	J. BALEJA, B. SYKES	8/90 M
R2HIRMR	HIRUDIN (NMR)	CLORE, GRONENBORN ET AL	12/88 M
R2IL8MR	INTERLEUKIN 8 (NMR)	G. CLORE, A. GRONENBORN	3/90 M
R1MHUMR	METALLOTHIONEIN (HUMAN) (NMR)	K. WUTHRICH ET AL.	5/90 M
R1MRBMR	METALLOTHIONEIN (RABBIT) (NMR)	K. WUTHRICH ET AL.	5/90 M
R1MR7MR	METALLOTHIONEIN (RAT) (NMR)	K. WUTHRICH ET AL.	5/90 M
R1SH1MR	NEUROTOXIN 1 (NMR)	R. FOGH, R. NORTON	5/90 M
R1BUSMR	PROTEINASE INHIBITOR IIA (NMR)	K. WUTHRICH ET AL.	5/90 M
R2AITMR	TENDAMISTAT (NMR)	K. WUTHRICH ET AL.	5/89 M
R3TRXMR	*THIOREDOXIN (HUMAN, NMR)	CLORE, GRONENBORN ET AL	12/90 M
R1ATXMR	TOXIN ATX IA (SEA ANEMONE) (NMR)	K. WUTHRICH ET AL.	5/90 M
R2ETIMR	TRYPSIN INHIBITOR EETI II (NMR)	B. CASTRO ET AL.	1/90 M
R1ZNFMR	ZINC FINGER (NMR)	P. WRIGHT	9/89 M
R3ZNFMR	*ZINC FINGER (NMR)	G. CLORE, A. GRONENBORN	7/90 M

* NEW OR REPLACEMENT ENTRY SINCE OCT-1991 NEWSLETTER

CODES

M NMR RESTRAINTS AND OTHER NMR EXPERIMENTAL DATA

TABLE 7 - CORRECTIONS TO COORDINATE ENTRIES AND PROGRAMS

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 REVDAT RECORDS.

REVDAT	8	15-JAN-92	1HMQG	3	OBSLTE
REVDAT	8	15-JAN-92	1HMZG	3	OBSLTE
REVDAT	2	15-JAN-92	1L14A	1	SEQRES
REVDAT	2	15-JAN-92	2AATA	1	JRNL
REVDAT	6	15-JAN-92	4RHVE	1	REMARK
REVDAT	2	15-JAN-92	2GBPA	1	SEQRES
REVDAT	2	15-JAN-92	3GBPA	1	JRNL
REVDAT	2	15-JAN-92	1BBPA	1	HET FORMUL
REVDAT	2	15-JAN-92	1D23A	3	HETATM
REVDAT	2	15-JAN-92	1R09B	1	REMARK
REVDAT	2	15-JAN-92	5DNBA	1	REMARK

THE FOLLOWING DATA SETS HAVE BEEN REPLACED

	OLD ENTRY	NEW ENTRY
OBSLTE	15-JAN-92 1HMQ	2HMQ
OBSLTE	15-JAN-92 1HMZ	2HMZ

TABLE 8 - COORDINATE AND STRUCTURE FACTOR ENTRIES IN PREPARATION

IDENT CODE	MOLECULE	DEPOSITOR (S)	DATE/ STATUS
2AAA	ACID ALPHA-AMYLASE (ASPERGILLUS NIGER)	G.DODSON ET AL.	2/91 H
7ACN	ACONITASE/ISOCITRATE	C.D.STOUT ET AL.	9/91 P
8ACN	ACONITASE/NITROISOCITRATE	C.D.STOUT ET AL.	9/91 P
1ATN	ACTIN/DEOXYRIBONUCLEASE I	W.KABSCH ET AL.	3/91 N
1ACP	ACYL CARRIER PROTEIN (NMR, 2 MODELS)	J.PRESTEGARD, Y.KIM	7/90 P
1APS	ACYLPHOSPHATASE (NMR, 5 STRUCTURES)	V.SAUDEK ET AL.	2/91 P
1AKE	*ADENYLATE KINASE (E.COLI)/AP5A	C.MUELLER, G.SCHULZ	11/91 P
2HUD	ALCOHOL DEHYDROGENASE (HUMAN)	M.AMZEL, T.HURLEY ET AL.	9/91 P
2P07	ALPHA-LYTIC PROTEASE MUTANT (M(192)A)	R.BONE, D.AGARD	10/90 RN
1P11	ALPHA-LYTIC PROTEASE/PHOSPHONATE ESTER	R.BONE, D.AGARD	10/90 N
1P12	ALPHA-LYTIC PROTEASE/PHOSPHONATE ESTER	R.BONE, D.AGARD	10/90 N
1LPR	ALPHA-LYTIC PROTSE MUTANT (M(192)A)/INHBTR.	R.BONE, D.AGARD	8/91 P
2LPR	ALPHA-LYTIC PROTSE MUTANT (M(192)A)/INHBTR.	R.BONE, D.AGARD	8/91 P
3LPR	ALPHA-LYTIC PROTSE MUTANT (M(192)A)/INHBTR.	R.BONE, D.AGARD	8/91 P
4LPR	ALPHA-LYTIC PROTSE MUTANT (M(192)A)/INHBTR.	R.BONE, D.AGARD	8/91 P
5LPR	ALPHA-LYTIC PROTSE MUTANT (M(213)A)/INHBTA.	FUJISHIGE, R.BONE, D.AGARD	8/91 P
6LPR	ALPHA-LYTIC PROTSE MUTANT (M(213)A)/INHBTR.	R.BONE, D.AGARD	8/91 P
7LPR	ALPHA-LYTIC PROTSE MUTANT (M(213)A)/INHBTA.	FUJISHIGE, R.BONE, D.AGARD	8/91 P
8LPR	ALPHA-LYTIC PROTSE MUTANT (M(213)A)/INHBTA.	FUJISHIGE, R.BONE, D.AGARD	8/91 P
9LPR	ALPHA-LYTIC PROTEASE/MSUC-A-A-P-L-BORONCR.	R.BONE, D.AGARD	8/91 P
1ACH	ALPHA1 ANTICHYMOTRYPSIN (HUMAN)	U.BAUMANN, R.HUBER ET AL.	1/91 H
1HOM	*ANTENNAPEDIA HOMEODOMAIN (NMR, 19 STRCTRS)	K.WUTHRICH ET AL.	10/91 P
1HOA	*A. HOMEODOMAIN (NMR, 20STRCTS) MUTANT (C39S)	K.WUTHRICH ET AL.	11/91 P
1LPE	APOLIPOPROTEIN E3 (LDL RECEPTR-BNDNG DMN)	C.WILSON, D.AGARD	8/91 P
1LE2	APOLIPOPROTEIN E2 (LDL RECEPTR-BNDNG DMN)	C.WILSON, D.AGARD	8/91 P
1LE4	APOLIPOPROTEIN E4 (LDL RECEPTR-BNDNG DMN)	C.WILSON, D.AGARD	8/91 P
5ABP	ARABINOSE-BINDING PROTEIN/D-GALACTOSE	F.QUIOCHO, D.WILSON, N.VYAS	12/90 H
1AOZ	*ASCORBATE OXIDASE (ZUCCHINI)	R.HUBER ET AL.	1/92 H
1AMA	*ASPARTATE AMINOTRANSFERASE/AMA	J.JANSONIUS ET AL.	2/92 P
7AAT	*ASPARTATE AMINOTRANSFERASE/PLP (PH 7.5)	MCPHALEN, VINCENT, JANSONIUS	12/91 P
8AAT	*ASPARTATE AMINOTRANSFERASE/PLP (PH 5.1)	MCPHALEN, VINCENT, JANSONIUS	12/91 P
9AAT	*ASPARTATE AMINOTRANSFERASE/PMP (PH 7.5)	MCPHALEN, VINCENT, JANSONIUS	12/91 P
1AT2	ASPARTATE CARBAMOYLTRANSFERASE (B.SUBTL5)	STEVENS, REINISCH, LIPSCOMB	6/91 P
2AZU	AZURIN (P.AERUGINOSA) MUTANT (H35L)	NAR, MESSERSCHMIDT, HUBER	1/91 H
3AZU	AZURIN (P.AERUGINOSA) MUTANT (H35Q)	MESSERSCHMIDT, NAR, HUBER	1/91 H
4AZU	AZURIN (P.AERUGINOSA) (PH 5.5)	NAR, MESSERSCHMIDT, HUBER	6/91 H
5AZU	AZURIN (P.AERUGINOSA) (PH 9.0)	NAR, MESSERSCHMIDT, HUBER	6/91 H

1RNB	BARNASE/D(GPC) (BAC. AMYLOLIQUEFACIENS)	J. JANIN, S. BAUDET	3/91	P
1BW1	*BARWIN (NMR, 20 STRUCTURES)	F. POULSEN	11/91	P
1BW2	*BARWIN (NMR, 20 STRUCTURES)	F. POULSEN	11/91	P
1NBT	*BUNGAROTOXIN (NEURONAL) (NMR, 12 STRUCTURES)	R. OSWALD, M. SUTCLIFFE ET AL	10/91	P
2SCP	SARCOPLASMIC CALCIUM-BINDING PROTEIN	W. COOK, S. VIJAY-KUMAR	8/91	P
4ICB	CALBINDIN D9K (BOVINE)	L. A. SVENSSON	8/91	P
1CB1	*CALBINDIN D9K (PORCINE) (NMR, 14 STRUCTURES)	AKKE, DRAKENBERG, CHAZIN	12/91	P
4CLN	CALMODULIN (DROSOPHILA MELANOGASTER)	J. SACK	6/91	P
4CA2	CARBONIC ANHYDRASE II (HUMAN RECOMBINANT)	R. ALEXANDER, D. CHRISTIANSON	6/91	P
5CA2	CARBONIC ANHYDRASE II MUTANT (T200S)	R. ALEXANDER, D. CHRISTIANSON	6/91	P
6CA2	CARBONIC ANHYDRASE II MUTANT (V143F)	R. ALEXANDER, D. CHRISTIANSON	7/91	P
7CA2	CARBONIC ANHYDRASE II MUTANT (V143G)	S. NAIR, D. CHRISTIANSON	7/91	P
8CA2	CARBONIC ANHYDRASE II MUTANT (V143H)	R. ALEXANDER, D. CHRISTIANSON	7/91	P
9CA2	CARBONIC ANHYDRASE II MUTANT (V143Y)	R. ALEXANDER, D. CHRISTIANSON	7/91	P
3CAC	CARBONIC ANHYDRASE C/SO3	A. LILJAS ET AL.	9/91	P
4CAC	CARBONIC ANHYDRASE C (PH 6)	A. LILJAS ET AL.	9/91	P
7CPA	CARBOXYPEPTIDASE A/ZFVP (O) F	H. KIM, W. LIPSCOMB	5/91	P
8CPA	CARBOXYPEPTIDASE A/ZAGP (O) F	H. KIM, W. LIPSCOMB	5/91	P
1CBX	*CARBOXYPEPTIDASE A/L-BENZYL SUCCINATE	MANGANI, CARLONI, ORIOLI	10/91	P
1PBA	*CARBOXYPEPTIDASE B (ACTIVATION DOMAIN)	K. WUTHRICH ET AL.	11/91	P
1CD8	*CD8 (HUMAN)	LEAHY, AXEL, HENDRICKSON	1/91	P
2COX	*CHOLESTEROL OXIDASE	A. VRIELINK, L. LLOYD, D. BLOW	1/92	P
3CHY	CHE Y (ESCHERICHIA COLI)	K. VOLZ, P. MATSUMURA	4/91	P
3CMS	CHYMOSIN B MUTANT (V111F) (BOVINE)	T. BLUNDELL ET AL.	2/90	N
1ACB	*ALPHA-CHYMOTRYPSIN (BOVINE) / EGLIN C	M. BOLOGNESI ET AL.	11/91	P
8GCH	GAMMA-CHYMOTRYPSIN (-183 DEG C) (BOVINE)	M. HAREL, I. SILMAN, J. SUSSMAN	3/91	P
3CI2	CHYMOTRYPSIN INHIBITOR 2 (NMR, 20 STRCTRS)	F. POULSEN	9/91	P
1CGI	*ALPHA-CHYMOTRYPSINOGEN A/PSTI VARIANT 3	H. HECHT ET AL.	10/91	P
1CGJ	*ALPHA-CHYMOTRYPSINOGEN A/PSTI VARIANT 4	H. HECHT ET AL.	10/91	P
1CCD	CLARA CELL 17 KDA PROTEIN (RAT)	T. UMLAND ET AL.	9/91	P
2CTX	ALPHA COBRATOXIN (NAJA NAJA SIAMENSIS)	W. SAENGER, C. BETZEL ET AL.	9/91	P
1COL	COLICIN (C-TERMINAL DOMAIN) (E. COLI)	M. PARKER ET AL.	7/91	P
1HCC	16TH COMPLEMENT CONTROL PROTEIN (NMR)	NORMAN, BARLOW, CAMPBELL	11/90	N
4CNA	CONCANAVALIN A/ALPHA-METHYL-MANNOSE	Z. DEREWENDA ET AL.	10/90	N
1CTG	MU-CONOTOXIN GIIIA (NMR, MIN AVRGE STRCTR)	LANCELIN, KOHDA, INAGAKI	8/91	P
2CTG	MU-CONOTOXIN GIIIA (NMR, 32 STRUCTURES)	LANCELIN, KOHDA, INAGAKI	8/91	P
1CMH	P-CRESOL METHYLHYDROXYLASE	F. S. MATHEWS	5/90	H
1BB2	BETA-B2 CRYSTALLIN (BOVINE)	C. SLINGSBY ET AL.	7/91	P
1CPL	CYCLOPHILIN (HUMAN T CELL)	KE, ZYDOWSKY, LIU, WALSH	9/91	H
2YCC	CYTOCHROME C (YEAST, ISO-1, OXIDIZED)	A. BERGHUIS, G. BRAYER	1/91	N
1YEA	CYTOCHROME C (YEAST, ISO-2, REDUCED)	M. MURPHY, G. BRAYER	10/91	P
1YEB	CYTOCHROME C (YEAST B-2036 COMPOST, REDCD)	M. MURPHY, G. BRAYER	10/91	P
1C53	CYTOCHROME C553 (DESULFOVIBRIO VULGARIS)	A. NAKAGAWA ET AL.	8/91	P
1CP4	CYTOCHROME P450CAM (PHENYL RADICAL)	R. RAAG, T. POULOS	6/91	P
2CP4	CYTOCHROME P450CAM MUTANT (T252A)	R. RAAG, T. POULOS	6/91	P
3CP4	CYTOCHROME P450CAM (11 WEEK ADAMANTANE)	R. RAAG, T. POULOS	6/91	P
4CP4	CYTOCHROME P450CAM (RECOMBINANT)	R. RAAG, T. POULOS	6/91	P
1DFN	DEFENSIN HNP-3 (HUMAN)	HILL, YEE, SELSTED, EISENBERG	1/91	P
1DRC	DIHYDROFOLATE REDUCTASE (E. COLI CLONED)	S. OATLEY, J. KRAUT	6/91	P
2DRC	DIHYDROFOLATE REDUCTASE MUTANT (W22F)	K. BROWN, J. KRAUT	6/91	P
1D29	DNA (CGTGAATTCACG, SYNTHETIC, 0 DEG C)	LARSEN, KOPKA, DICKERSON	1/91	N
1D30	DNA (CGCGAATTCGCG, SYNTHETIC) / DAPI	LARSEN, DICKERSON ET AL.	1/91	N
1D32	DNA (CGCG) / DITERCALINIUM	A. RICH ET AL.	1/91	N
1D33	DNA (CGCGCG) / DAUNOMYCIN / HCHO	A. WANG	2/91	N
2D34	DNA (CGTDCG) / DAUNOMYCIN / HCHO	A. WANG	5/91	N
1D35	DNA (CGTDCG) / MAR 70	A. WANG ET AL.	4/91	N
1D36	DNA (CGTACG) / MAR 70	A. WANG ET AL.	4/91	N
1D37	DNA (CGATCG) / 4ODEMETHYL11DEOXYOXORUBICIN	A. WANG ET AL.	4/91	N
1D38	DNA (CGATCG) / IDARUBICIN	A. WANG ET AL.	4/91	N
1D39	DNA (CGCGCG) / CUCL2	T. KAGAWA, P. HO ET AL.	5/91	N
1D40	DNA ((5MC) GUA (5MC) G) / CUCL2	B. GEIERSTANGER, P. HO ET AL.	5/91	N
1D41	DNA ((5MC) GUA (5MC) G)	G. ZHOU, P. HO	5/91	P
1D42	DNA (GTATATAC) (NMR)	U. SCHMITZ, T. JAMES	5/91	P
1D43	DNA (CGCGAATTCGCG) / HOECHST 33258 / OC UP	QUINTANA, LIPANOV, DICKERSON	6/91	P
1D44	DNA (CGCGAATTCGCG) / HOECHST 33258 / OC DOWN	QUINTANA, LIPANOV, DICKERSON	6/91	P
1D45	DNA (CGCGAATTCGCG) / HOECHST 33258 / -25C	QUINTANA, LIPANOV, DICKERSON	6/91	P
1D46	DNA (CGCGAATTCGCG) / HOECHST 33258 / -100C	QUINTANA, LIPANOV, DICKERSON	6/91	P
2D47	DNA (CCCCCGGGGG) / SPERMINE	VERDAGUER, SUBIRANA ET AL.	10/91	P
1D48	DNA (CGCGCG) / SPERMINE	EGLI, WILLIAMS, GAO, RICH	9/91	P
1D49	DNA (CGATTAATCG)	QUINTANA, DICKERSON ET AL.	9/91	P

1D53	*DNA (CGCICICG)	V. KUMAR ET AL.	11/91	P
1D54	*DNA (TGTACA) / 4' -EPIADRIAMYCIN	G. LEONARD, T. BROWN, W. HUNTER	1/92	P
1D55	*DNA (GAAGCTC) /ACTINOMYCIN D	S. KAMITORI, F. TAKUSAGAWA	2/92	H
1CGC	*DNA (CCGGCGCCGG)	U. HEINEMANN, M. BANSAL	1/92	P
1IXA	EGF-LIKE MODULE OF HUMAN FACTOR IX	D. NORMAN ET AL.	11/91	P
4EST	ELASTASE/DIFLUOROKETONE INHIBTR COMPLEX	E. MEYER JR. ET AL.	5/89	N
5EST	ELASTASE/BORONIC ACID INHIBITOR COMPLEX	E. MEYER JR. ET AL.	5/89	N
8EST	ELASTASE/GUANIDINIUM ISOCOUMARIN	R. RADHAKRISHNAN, E. MEYER JR	2/90	P
9EST	ELASTASE (PORCINE) /PEPTIDYL BENZOALOSE	E. MEYER JR. ET AL.	1/91	H
2R1E	ECO RI ENDONUCLEASE/TCGCGAATTCGCG	J. ROSENBERG	9/90	N
3ENL	ENOLASE (YEAST)	L. LEBIODA	11/90	RP
4ENL	ENOLASE (YEAST) /ZN	L. LEBIODA	11/90	P
5ENL	ENOLASE/CA2+/2-PHOSPHO-D-GLYCERIC ACID	L. LEBIODA	11/90	P
6ENL	ENOLASE (YEAST) /ZN2/PHOSPHOGLYCOLATE	L. LEBIODA	11/90	P
7ENL	ENOLASE (YEAST) /MG2+/2-PHOSPHO-D-GLYCERATL	L. LEBIODA	11/90	P
1EPS	5-ENOL-PYRUVYL-3-PHOSPHATE SYNTHASE	W. STALLINGS	4/91	AH
6EBX	ERABUTOXIN B (LATICAUDA SEMIFASCIATA)	T. PRANGE, P. SALUDJIAN	5/91	P
3FIS	FIS (E. COLI)	R. DICKERSON ET AL.	8/91	P
4FIS	FIS (E. COLI) MUTANT (R89C)	R. DICKERSON ET AL.	8/91	P
1FXD	FERREDOXIN II (DESULFOVIBRIO GIGAS)	C. KISSINGER ET AL.	4/91	P
1FXA	FERREDOXIN (ANABAENA 7120)	H. HOLDEN	1/91	P
1FHA	FERRITIN (HUMAN, H CHAIN)	P. ARTYMIUK, P. HARRISON	12/90	H
1FPA	FIBRINOPEPTIDE A FRAGMENT (NMR)	F. NI, K. GIBSON, H. SCHERAGA	12/90	P
2FPA	FIBRINOPEPTIDE A FRGMT MUTANT (G12V) (NMR)	F. NI, K. GIBSON, H. SCHERAGA	12/90	P
2FX2	FLAVODOXIN (D. VULGARIS, ROOM TEMPERATURE)	W. WATT, K. WATENPAUGH	10/91	P
3FX2	FLAVODOXIN (D. VULGARIS, -150C, OXIDIZED)	W. WATT, K. WATENPAUGH	10/91	P
4FX2	FLAVODOXIN (D. VULGARIS, -150C, SEMIQUINONE)	W. WATT, K. WATENPAUGH	10/91	P
5FX2	FLAVODOXIN (D. VULGARIS, -150C, HYDROQUINONE)	W. WATT, K. WATENPAUGH	10/91	P
1FBP	FRUCTOSE-1, 6-BISPHOSPHATASE/F6P/AMP/MG	H. KE, Y. ZHANG, W. LIPSCOMB	5/90	N
2FBP	FRUCTOSE-1, 6-BISPHOSPHATASE	W. LIPSCOMB ET AL.	6/90	N
3FBP	FRUCTOSE-1, 6-BISPHOSPHATASE/F6P	W. LIPSCOMB ET AL.	6/90	N
4FBP	FRUCTOSE-1, 6-BISPHOSPHATASE/AMP	KE, LIANG, ZHANG, LIPSCOMB	2/91	H
5FBP	FRUCTOSE-1, 6-BISPHOSPHATASE/F6P	KE, ZHANG, LIANG, LIPSCOMB	2/91	H
1FPB	*FRUCTOSE-1, 6-BISPHOSPHATASE/FRU-2, 6-P2	W. LIPSCOMB ET AL.	2/92	H
1CGP	CATABOLITE GENE ACTIVATOR PROTEIN/DNA	SCHULTZ, SHIELDS, STEITZ	8/91	H
1GLY	*GLUCOAMYLASE (ASPERGILLUS AWAMORI)	R. HONZATKO ET AL.	1/92	P
1GPR	GLUCOSE PERMEASE (IIA DOMAIN) (B. SUBTILIS)	D. -I. LIAO, O. HERZBERG	9/91	H
1EGO	GLUTAREDOXIN (OXIDIZED) (E. COLI) (NMR)	K. WUTHRICH ET AL.	10/91	P
1EGR	GLUTAREDOXIN (REDUCED) (E. COLI) (NMR)	K. WUTHRICH ET AL.	10/91	P
1GGA	*G-GLYCERALDEHYDE-PHOSPHATE DEHYDROGENASE	F. VELLIEUX, J. HAJDU, W. HOL	10/91	H
1GPA	GLYCOGEN PHOSPHORYLASE A (R STATE)	BARFORD, HU, JOHNSON	11/90	P
1GPB	GLYCOGEN PHOSPHORYLASE B	JOHNSON, ACHARYA, STUART	6/90	P
2GPB	GLYCOGEN PHOSPHORYLASE B/GLC	J. MARTIN, L. JOHNSON	6/90	P
3GPB	GLYCOGEN PHOSPHORYLASE B/G1P	J. MARTIN, L. JOHNSON	6/90	P
4GPB	GLYCOGEN PHOSPHORYLASE B/GFP	J. MARTIN, L. JOHNSON	6/90	P
5GPB	GLYCOGEN PHOSPHORYLASE B/GMP/GLC	J. MARTIN, L. JOHNSON	6/90	P
6GPB	GLYCOGEN PHOSPHORYLASE B/H2P	L. JOHNSON, K. ACHARYA	6/90	P
7GPB	GLYCOGEN PHOSPHORYLASE B (R STATE) /AMP	BARFORD, HU, JOHNSON	11/90	P
8GPB	GLYCOGEN PHOSPHORYLASE B (T STATE) /AMP	BARFORD, HU, JOHNSON	11/90	P
9GPB	GLYCOGEN PHOSPHORYLASE B (R STATE)	BARFORD, JOHNSON	12/90	P
2GMA	GRAMICIDIN A	B. WALLACE, K. RAVIKUMAR	10/89	N
1HHR	*GROWTH HORMONE/RECEPTOR EXTRACELLR DOMN	DE VOS, ULTSCH, KOSSIAKOFF	1/92	H
1GKY	*GUANYLATE KINASE (BAKER'S YEAST) /GMP	T. STEHLE, G. SCHULZ	12/91	P
1HAD	HALOALKANE DEHALOGENASE	B. DIJKSTRA ET AL.	4/91	N
1HGD	*HEMAGGLUTININ MUTANT (G135 (A) R)	D. WILEY ET AL.	11/91	P
1HGE	*HEMAGGLUTININ MUTANT (G135 (A) R) /NEU5AC2MED	D. WILEY ET AL.	11/91	P
1HGF	*HEMAGGLUTININ	D. WILEY ET AL.	11/91	P
1HGG	*HEMAGGLUTININ/ALPHA (2, 3) SIALYLLACTOSE	D. WILEY ET AL.	11/91	P
1HGH	*HEMAGGLUTININ/NEU5AC (ALPHA) 2BAC	D. WILEY ET AL.	11/91	P
1HGI	*HEMAGGLUTININ/4-ACETYL-NEU5AC (ALPHA) 2ME	D. WILEY ET AL.	11/91	P
1HGJ	*HEMAGGLUTININ/9-AMINO-NEU5AC (ALPHA) 2ME	D. WILEY ET AL.	11/91	P
1HCY	HEMOCYANIN (PANULIRUS INTERRUPTUS)	A. VOLBEDA, W. HOL	5/91	P
1HC1	HEMOCYANIN (P. INTERRUPTUS) SUBUNIT 1	A. VOLBEDA, W. HOL	5/91	P
1HC2	HEMOCYANIN (P. INTERRUPTUS) SUBUNIT 2	A. VOLBEDA, W. HOL	5/91	P
1HC3	HEMOCYANIN (P. INTERRUPTUS) SUBUNIT 3	A. VOLBEDA, W. HOL	5/91	P
1HC4	HEMOCYANIN (P. INTERRUPTUS) SUBUNIT 4	A. VOLBEDA, W. HOL	5/91	P
1HC5	HEMOCYANIN (P. INTERRUPTUS) SUBUNIT 5	A. VOLBEDA, W. HOL	5/91	P
1HC6	HEMOCYANIN (P. INTERRUPTUS) SUBUNIT 6	A. VOLBEDA, W. HOL	5/91	P
1HBG	HEMOGLOBIN (GLYCERA DIBRANCHIATA, CO)	ARENTS, BRADEN, PADLAN, LOVE	2/91	N
2HBG	HEMOGLOBIN (GLYCERA DIBRANCHIATA, DEOXY)	G. ARENTS, W. LOVE	2/91	N

1NIH	HEMOGLOBIN (ALPHA-NICKEL, BETA-FERROUS)	B. LUISI, B. LIDDINGTON	3/90	P
1HBA	*HEMOGLOBIN ROTHSCHILD MUTANT (W37 (B) R)	J. KAVANAUGH, A. ARNONE	1/92	P
1HBB	*HEMOGLOBIN (LOW SALT)	J. KAVANAUGH, A. ARNONE	1/92	P
1PBX	*HEMOGLOBIN (PAGOTHENIE BERNACCHII) /CO	G. FERMI	11/91	P
1ITH	*HEMOGLOBIN (URECHIS CAUPO)	KOLATKAR, ERNST, HACKERT	12/91	P
2HIP	HIPIP (ECTOTHIORHODOSPIRA HALOPHILA)	H. HOLDEN ET AL.	6/91	P
1HPA	*HIPIP (CHROMATIUM VINOSUM) (REDUCED)	C. CARTER JR.	12/91	P
1HRG	HIRUDIN (C TERMINAL FRAGMENT) (NMR)	F. NI, K. GIBSON, H. SCHERAGA	12/90	P
1HTC	HIRUDIN (VARIANT 2) /THROMBIN COMPLEX	A. TULINSKY ET AL.	3/91	AP
2HTC	HIRUDIN (VARIANT 2) /THROMBIN COMPLEX	A. TULINSKY ET AL.	4/91	H
1HGT	HIRUGEN/THROMBIN COMPLEX	A. TULINSKY ET AL.	6/91	H
2HGT	HIRULOG 1/THROMBIN COMPLEX	A. TULINSKY, V. CARPEROS	6/91	H
1HIO	HISTONE OCTAMER (CHICKEN)	G. ARENTS, E. MOUDRIANAKIS	9/91	H
7HVP	HIV-1 PROTEASE/INHIBITOR JG-365	A. WLODAWER ET AL.	9/90	P
8HVP	HIV-1 PROTEASE/INHIBITOR U-85548E	A. WLODAWER ET AL.	10/90	P
9HVP	HIV-1 PROTEASE/INHIBITOR A-74704	D. NEIDHART, J. ERICKSON	11/90	N
4PHV	HIV-1 PROTEASE/INHIBITOR L-700, 417	R. BONE	10/91	P
1HSD	*HYDROXYSTEROID DEHYDROGENASE	D. GHOSH, W. DUAX	8/91	N
6FAB	FAB 36-71 (MURINE ANTI-PHENYLARSONATE)	R. STRONG ET AL.	1/91	P
1BAF	*AN02 FAB FRAGMENT (MOUSE)	LEAHY, BRUNGER, FOX, HYNES	1/92	P
1MAM	*FAB (MOUSE MONOCLONAL ANTIBODY YST9.1)	D. ROSE	1/92	P
1IGF	IGG1 FAB' FRAGMENT B13I2	R. STANFIELD, I. WILSON	3/91	P
2IGF	IGG1 FAB' FRAGMENT B13I2/EVVPK PEPTIDER.	R. STANFIELD, I. WILSON	3/91	P
7FAB	*IMMUNOGLOBULIN FAB' NEW	F. SAUL, R. POLJAK	11/91	RP
6INS	INSULIN (PIG, DES-B30, CROSSLINKED B29-A1)	G. DODSON ET AL.	3/91	P
7INS	INSULIN (PORCINE) /M-CRESOL/CLUPEINE Z	F. KORBER ET AL.	9/91	P
2GF1	INSULIN-LIKE GROWTH FACTOR 1 (NMR, AVERAG)	COOKE, HARVEY, CAMPBELL	1/91	P
3GF1	INSULIN-LIKE GROWTH FACTOR 1 (NMR, 10 STR)	COOKE, HARVEY, CAMPBELL	1/91	P
1HIG	INTERFERON-GAMMA (HUMAN)	S. EALICK ET AL.	10/91	P
1RIG	INTERFERON-GAMMA (RABBIT)	SAMUDZI, BURTON, RUBIN	8/91	AP
2ILA	INTERLEUKIN 1A (HUMAN)	B. GRAVES, M. HATADA	5/91	AP
6I1B	INTERLEUKIN 1B (HUMAN) (NMR, AVERAGED STRC)	CLORE, WINGFIELD, GRONENBORN	1/91	P
7I1B	INTERLEUKIN 1B (HUMAN) (NMR, 32 STRUCTURES)	CLORE, WINGFIELD, GRONENBORN	1/91	P
21BI	INTERLEUKIN 1B (HUMAN) MUTANT (C71A)	VEERAPANDIAN, POULOS ET AL.	3/91	P
31BI	INTERLEUKIN 1B (HUMAN) MUTANT (C71S)	VEERAPANDIAN, POULOS ET AL.	3/91	P
41BI	*INTERLEUKIN 1B (HUMAN) MUTANT (C8A)	VEERAPANDIAN, POULOS ET AL.	2/92	P
8I1B	INTERLEUKIN 1B (MOUSE)	DUPONT PROTEIN CRYSTALLGRPY	1/91	P
1MIB	INTERLEUKIN 1B (MOUSE)	J. PRIESTLE ET AL.	8/91	P
1ITL	*INTERLEUKIN 4 (HUMAN) (NMR)	C. DOBSON ET AL.	2/92	H
3IL8	INTERLEUKIN 8	A. WLODAWER	12/90	P
1IPD	*3-ISOPROPYLMALATE DEHYDROGENASE	K. IMADA, M. SATO, Y. KATSUBE	1/92	P
4BLM	BETA-LACTAMASE (BACILLUS LICHENIFORMIS)	J. KNOX, P. MOEWS	5/91	P
1LDN	*LACTATE DEHYDROGENASE/NADH/OXAMATE/F1, 6BPD.	WIGLEY ET AL.	11/91	P
1LFH	*LACTOFERRIN (HUMAN MILK, APO)	ANDERSON, BAKER, NORRIS	9/91	P
1LFG	*LACTOFERRIN (HUMAN MILK, DIFERRIC)	BAKER, ANDERSON, HARIDAS	2/92	P
1LMB	*LAMBDA REPRESSOR/DNA	L. BEAMER, C. PABO	11/91	RP
1LTE	LECTIN (ERYTHRINA CORALLODENDRON)	B. SHAANAN, H. LIS, N. SHARON	6/91	P
1ZTA	LEUCINE ZIPPER (GCN4 TAP) (NMR, 20 STRCTRS)	A. PASTORE ET AL.	10/90	P
2ZTA	LEUCINE ZIPPER (GCN4 TAP)	O' SHEA, KLEMM, KIM, ALBER	7/91	P
3LAD	*LIPOAMIDE DEHYDROGENASE (A. VINELANDII)	MATTEVI, SCHIERBEEK, HOL	12/91	P
1LAO	LYS-, ARG-, ORNITHINE-BINDING PROTEIN (LAO)	S. -H. KIM	10/91	H
1HEW	*LYSOZYME (HEN) /TRI-N-ACETYLCHITOTRIOSE	CHEETHAM, ARTYMIUK, PHILLIPS	1/92	P
1HEL	*LYSOZYME (HEN)	WILSON, MALCOLM, MATTHEWS	1/92	P
1HEM	*LYSOZYME (HEN) MUTANT (S91T)	WILSON, MALCOLM, MATTHEWS	1/92	P
1HEN	*LYSOZYME (HEN) MUTANT (I55V, S91T)	WILSON, MALCOLM, MATTHEWS	1/92	P
1HEO	*LYSOZYME (HEN) MUTANT (I55V)	WILSON, MALCOLM, MATTHEWS	1/92	P
1HEP	*LYSOZYME (HEN) MUTANT (T40S, I55V, S91T)	WILSON, MALCOLM, MATTHEWS	1/92	P
1HEQ	*LYSOZYME (HEN) MUTANT (T40S, S91T)	WILSON, MALCOLM, MATTHEWS	1/92	P
1HER	*LYSOZYME (HEN) MUTANT (T40S)	WILSON, MALCOLM, MATTHEWS	1/92	P
1LHM	LYSOZYME MUTANT (C77A, C95A) (HUMAN)	K. INAKA, M. MATSUSHIMA	10/91	P
2LHM	LYSOZYME MUTANT (Q86D, A92D) (HUMAN) (APO)	K. INAKA, M. MATSUSHIMA	10/91	P
3LHM	LYSOZYME MUTANT (Q86D, A92D) (HUMAN) (HOLO)	K. INAKA, M. MATSUSHIMA	10/91	P
4LZM	LYSOZYME (T4) (HIGH SALT)	B. MATTHEWS ET AL.	1/91	P
5LZM	LYSOZYME (T4) (MEDIUM SALT)	B. MATTHEWS ET AL.	1/91	P
6LZM	LYSOZYME (T4) (LOW SALT)	B. MATTHEWS ET AL.	1/91	P
7LZM	LYSOZYME (T4) (DITHIOTHREITOL)	B. MATTHEWS ET AL.	1/91	P
1L77	*LYSOZYME (T4) MUTANT (M102L)	J. HURLEY, B. MATTHEWS	11/91	P
2L78	*LYSOZYME (T4) MUTANT (V111I)	J. HURLEY, B. MATTHEWS	1/92	P
1L79	*LYSOZYME (T4) MUTANT (L99F, V111I)	J. HURLEY, B. MATTHEWS	11/91	P
1L80	*LYSOZYME (T4) MUTANT (L99F, M102L, V111I)	J. HURLEY, B. MATTHEWS	11/91	P

1L81	*LYSOZYME (T4) MUT (L99F,M102L,V111I,F153L)	J.HURLEY,B.MATTHEWS	11/91	P
1L82	*LYSOZYME (T4) MUTANT (L99F,M102L,F153L)	J.HURLEY,B.MATTHEWS	11/91	P
3LZ2	LYSOZYME (TURKEY)	P.L.HOWELL ET AL.	9/91	P
1LZ3	*LYSOZYME (TURKEY)	K.HARATA	11/91	P
2PTE	L-LYSYL-D-ALA-D-ALA/DD PEPTIDASE SITE	J.KNOX,R.PRATT	11/90	P
1VAN	L-LYSYL-D-ALA-D-ALA/VANCOMYCIN	J.KNOX,R.PRATT	11/90	P
2MCM	MACROMOMYCIN (STREPTOMYCES MACROMOMYCTCS)	P.VAN ROEY	5/91	P
1MBP	D-MALTODEXTRIN-BINDING PROTEIN/D-MALTOSE	J.SPURLINO,F.QUIOCHO	12/90	AP
1MNR	MANDELATE RACEMASE (PSEUDOMONAS PUTIDA)	D.NEIDHART,G.PETSKO	9/91	P
1MEE	MESENTERICOPEPTIDASE/EGLIN C	Z.DAUTER,C.BETZEL,K.WILSON	4/91	P
3MT2	METALLOTHIONEIN (ISOFORM II, RAT LIVER)	A.ROBBINS,C.D.STOUT	8/91	P
2MON	MONELLIN (SERENDIPITY BERRY)	F.JIANG,L.TONG,S.-H.KIM	6/90	RN
5MBA	MET MYOGLOBIN (A.LIMACINA)/AZIDE PH 7.0	M.BOLOGNESI ET AL.	1/91	RP
2MM1	MYOGLOBIN MUTANT (K45R,C110A) (HUMAN)	S.HUBBARD	2/91	P
1MYT	MYOGLOBIN (MET, YELLOWFIN TUNA)	BIRNBAUM,ROSE,PRZYBYLSKA	5/91	H
1NPC	*NEUTRAL PROTEASE (BACILLUS CEREUS)	STARK,PAUPTIT,JANSONIUS	1/92	P
1NN2	NEURAMINIDASE N2 (A/TOKYO/3/67)	J.VARGHESE,P.COLMAN	3/91	P
1NN9	NEURAMINIDASE N9	P.COLMAN ET AL.	3/91	P
2NN9	NEURAMINIDASE N9 MUTANT (S370L)	P.COLMAN ET AL.	3/91	P
3NN9	NEURAMINIDASE N9 MUTANT (N329D)	P.COLMAN ET AL.	3/91	P
4NN9	NEURAMINIDASE N9 MUTANT (I368R)	P.COLMAN ET AL.	3/91	P
5NN9	NEURAMINIDASE N9 MUTANT (A369D)	P.COLMAN ET AL.	3/91	P
6NN9	NEURAMINIDASE N9 MUTANT (K432N)	P.COLMAN ET AL.	3/91	P
1NSB	*NEURAMINIDASE (INFLUENZA VIRUS)	BURMEISTER,RUIGROK,CUSACK	8/91	P
1BN2	NEUROPHYSIN II (BOVINE)/P-IODO-F-Y AMIDE	B.-C.WANG	8/90	AH
1NRD	NITRITE REDUCTASE	J.GODDEN,E.ADMAN,S.TURLEY	4/91	P
1OVA	OVALBUMIN (CHICKEN)	P.STEIN,A.LESLIE	11/90	P
3OVO	OVOMUCOID 3RD DOMAIN CLVD (JAPANESE QUAIL)	D.MUSIL,W.BODE	5/91	P
4OVO	OVOMUCOID 3RD DOMAIN CLVD (SILVER PHSANT)	D.MUSIL,W.BODE	5/91	P
1PE6	PAPAIN/E-64-C	D.YAMAMOTO ET AL.	5/91	P
5PAL	PARVALBUMIN (ALPHA LINEAGE) (SHARK)	J.DECLERCQ ET AL.	9/91	P
1PDC	PDC-109 TYPE II B-DOMAIN (NMR)	LLINAS,CONSTANTINE,PATTHY	10/91	P
1PSA	*PEPSIN/RENIN INHIBITOR	L.CHEN,C.ABAD-ZAPATERO	10/91	P
2PSG	PEPSINOGEN (PORCINE)	M.JAMES,A.SIELECKI	1/91	P
3PSG	PEPSINOGEN (PORCINE)	HARTSUCK,KOELSCH,REMINGTON	9/91	RP
1NPX	NADH PEROXIDASE (NON-NATIVE, OXIDIZED)	G.SCHULZ ET AL.	8/91	H
1F3G	PHOSPHOCARRIER III GLC FAST (E.COLI)	S.REMINGTON ET AL.	8/91	P
1PMG	*PHOSPHOGLUCOMUTASE (RABBIT)	RAY,DAI,LIU,KONNO	1/92	P
1PGD	6-PHOSPHOGLUCONATE DEHYDROGENASE (SHEEP)	ADAMS,GOVER,PHILLIPS,SOMERS	8/91	P
1PK4	PLASMINOGEN KRINGLE 4	A.TULINSKY,A.MULICHAK	7/91	P
2PK4	PLASMINOGEN KRINGLE 4 COMPLEX	A.TULINSKY,A.MULICHAK	9/91	P
1POR	PORIN (RHODOBACTER CAPSULATUS)	M.WEISS,G.SCHULZ	10/91	H
1PII	PRA ISOMERASE:IGP SYNTHASE	WILMANNS,PRIESTLE,JANSNIUS	6/91	P
2RCR	PHOTOSYNTHETIC REACTION CNTR (RB.SPHAER.)	CHANG,NORRIS,SCHIFFER	2/91	P
4RCR	PHOTOSYNTHETIC REACTION CNTR (RB.SPHAER.)	REES,FEHER ET AL.	9/91	P
1CPC	C-PHYCOCYANIN (FREMYELLA DIPLOSIPHON)	DUERRING,SCHMIDT,HUBER	10/90	H
9PCY	PLASTOCYANIN (FRENCH BEAN) (NMR, 16 STRCTS)	P.WRIGHT ET AL.	3/91	P
1GB1	PROTEIN G (B1 DOMAIN) (NMR, 59 STRUCTURES)	CLORE,GRONENBORN ET AL.	5/91	P
2GB1	PROTEIN G (B1 DOMAIN) (NMR, MIN AVGD STRCT)	CLORE,GRONENBORN ET AL.	5/91	P
1PF1	PROTHROMBIN FRAGMENT 1 (RESIDUES 1-156)	A.TULINSKY ET AL.	3/91	P
1PF2	*PROTHROMBIN CA-FRAGMENT 1	A.TULINSKY ET AL.	12/91	H
1PCD	PROTocatechuate 3,4-DIOXYGENASE	DUPONT PROTEIN CRYSTLLGRPY	9/90	N
1Q21	*C-H-RAS P21 PROTEIN/GDP	S.-H.KIM	9/91	RP
2Q21	*C-H-RAS P21 PROTEIN MUTANT (G12V)/GDP	S.-H.KIM	9/91	RP
3Q21	*C-H-RAS P21 PROTEIN/GDPCP	S.-H.KIM	9/91	P
4Q21	*C-H-RAS P21 PROTEIN (RESIDUES 1-188)/GDP	S.-H.KIM	9/91	P
5Q21	*C-H-RAS P21 PROTEIN MUTANT (Q61L)/GDPCP	S.-H.KIM	9/91	P
121P	C-H-RAS P21 PROTEIN/GPPCP	U.KRENGEL ET AL.	6/91	P
221P	C-H-RAS P21 PROTEIN MUTANT (D38E)/GPPNP	U.KRENGEL ET AL.	6/91	P
321P	C-H-RAS P21 PROTEIN MUTANT (G12P)/GPPNP	U.KRENGEL ET AL.	6/91	P
421P	C-H-RAS P21 PROTEIN MUTANT (G12R)/GPPNP	U.KRENGEL ET AL.	6/91	P
521P	C-H-RAS P21 PROTEIN MUTANT (G12V)/GTP	U.KRENGEL ET AL.	6/91	P
621P	C-H-RAS P21 PROTEIN MUTANT (Q61H)/GPPNP	U.KRENGEL ET AL.	6/91	P
721P	C-H-RAS P21 PROTEIN MUTANT (Q61L)/GPPNP	U.KRENGEL ET AL.	6/91	P
1REA	*REC A PROTEIN (E.COLI)/ADP	R.STORY,T.STEITZ	12/91	P
1REB	*REC A PROTEIN (E.COLI)	R.STORY,T.STEITZ	12/91	P
6RLX	*RELAXIN (HUMAN)	C.EIGENBROT ET AL.	6/91	H
2REN	*RENIN	A.SIELECKI,M.JAMES ET AL.	2/92	P
1RNE	*RENIN (HUMAN) (GLYCOSYLATED, INHIBITED)	GRUETTER,RAHUEL,PRIESTLE	12/91	P
1PRA	*R1-69 N-TERMINUS OF 434 REPRESSOR	K.WUTHRICH ET AL.	11/91	P

3SRN	RIBONUCLEASE A (SEMISYNTH.) MUTANT (D121N)	B.EDWARDS ET AL.	5/91	P
4SRN	RIBONUCLEASE A (SEMISYNTH.) MUTANT (D121A)	B.EDWARDS ET AL.	5/91	P
1RAT	RIBONUCLEASE A (BOVINE, 98 K)	R.TILTON JR., DEWAN, PETSKO	8/91	P
2RAT	RIBONUCLEASE A (BOVINE, 130 K)	R.TILTON JR., DEWAN, PETSKO	8/91	P
3RAT	RIBONUCLEASE A (BOVINE, 160 K)	R.TILTON JR., DEWAN, PETSKO	8/91	P
4RAT	RIBONUCLEASE A (BOVINE, 180 K)	R.TILTON JR., DEWAN, PETSKO	8/91	P
5RAT	RIBONUCLEASE A (BOVINE, 220 K)	R.TILTON JR., DEWAN, PETSKO	8/91	P
6RAT	RIBONUCLEASE A (BOVINE, 240 K)	R.TILTON JR., DEWAN, PETSKO	8/91	P
7RAT	RIBONUCLEASE A (BOVINE, 260 K)	R.TILTON JR., DEWAN, PETSKO	8/91	P
8RAT	RIBONUCLEASE A (BOVINE, 300 K)	R.TILTON JR., DEWAN, PETSKO	8/91	P
9RAT	RIBONUCLEASE A (BOVINE, 320 K)	R.TILTON JR., DEWAN, PETSKO	8/91	P
1RND	*RIBONUCLEASE A (BOVINE) /DNA (CG)	C.AGUILAR ET AL.	10/91	P
1RN2	*RIBONUCLEASE H (E.COLI)	K.KATAYANAGI ET AL.	11/91	P
1RMS	*RIBONUCLEASE MS/3' -GUANYLIC ACID	NONAKA, MITSUI, NAKAMURA	12/91	P
1SAR	RIBONUCLEASE SA (STREP. AUREOFACIENS)	J.SEVCIK, E.DODSON, G.DODSON	12/90	N
2SAR	RIBONUCLEASE SA (STREP. AUREOFACIENS) /GMP	J.SEVCIK, E.DODSON, G.DODSON	12/90	N
5RNT	RIBONUCLEASE T1/GUANOSINE-3', 5'-BISPHSPHSAENGER, HEINEMANN, LENZ		4/91	P
6RNT	RIBONUCLEASE T1/2' -AMP	W.SAENGER ET AL.	8/91	P
7RNT	RIBONUCLEASE T1 MUTANT (Y45W) /2' -AMP	W.SAENGER ET AL.	8/91	P
8RNT	RIBONUCLEASE T1 /ZN++	DING, CHOE, GRANZIN, SAENGER	9/91	P
9RNT	RIBONUCLEASE T1	W.SAENGER ET AL.	9/91	P
1RN1	*RIBONUCLEASE T1 (GLN 25)	R.ARNI ET AL.	11/91	H
1RN4	*RIBONUCLEASE T1 (H92A)	W.SAENGER ET AL.	11/91	P
1OFX	*RNA (GCG) D (TATACCC) /D (GGGTATACGC) OKAZAKI	EGLI, USMAN, ZHANG, RICH	10/91	P
1ROP	ROP (COL E1)	M.KOKKINIDIS ET AL.	4/91	P
3RUB	RUBISCO (FORM III)	EISENBERG, SCHREUDER ET AL.	5/90	P
4RUB	RUBISCO (FORM IV)	EISENBERG, SCHREUDER ET AL.	5/90	P
8RUB	RUBISCO (SPINACH) /CABP	KNIGHT, ANDERSSON, BRANDEN	11/90	N
9RUB	RUBISCO (R. RUBRUM) /RIBULOSE-1, 5-BISPHSPHHT	LUNDQVIST, G.SCHNEIDER	11/90	H
8RXN	RUBREDOXIN (D. VULGARIS)	DAUTER, SIEKER, WILSON	8/91	P
1BST	SOMATOTROPIN (BOVINE GROWTH HORMONE)	CARLACCI, CHOU, MAGGIORA	2/91	P
2SNM	STAPH NUCLEASE MUTANT (V66K)	E.LATTMAN ET AL.	4/91	P
1ST3	*SUBTILISIN BL (BACILLUS LENTUS)	D.GODDETTE	11/91	H
2SIC	SUBTILISIN BPN' /SSI COMPLEX	Y.MITSUI ET AL.	4/91	RP
3SIC	SUBTILISIN BPN' /SSI MUTANT (M73K)	Y.MITSUI ET AL.	8/91	P
5SIC	*SUBTILISIN BPN' /SSI MUTANT (M70G, M73K)	Y.MITSUI, TAKEUCHI, NAKAMURA	11/91	P
1SBN	*SUBTILISIN NOVO/EGLIN C MUTANT (L45R)	GRUETTER, HEINZ, PRIESTLE	12/91	P
3SDP	FE SUPEROXIDE DISMUTASE (PSEUDOMNS.OVALIS)	STODDARD, RINGE, PETSKO	5/91	P
3SOD	SUPEROXIDE DISMUTASE (BOVINE)	J.TAINER ET AL.	6/90	H
1SDY	SUPEROXIDE DISMUTASE (YEAST)	M.BOLOGNESI ET AL.	6/91	P
5TAA	TAKA-AMYLASE (ASPERGILLUS ORYZAE)	H.SWIFT ET AL.	5/91	H
1TRB	*THIOREDOXIN REDUCTASE (E.COLI)	J.KURIYAN, T.KRISHNA	9/91	P
1PK2	TISSUE PLASMINOGEN ACTVTR (KRINGLE2) (NMR)	M.LLINAS, I.BYEON	9/91	P
1TPK	TISSUE PLASMINOGEN ACTIVATOR (KRINGLE2)	A.DE VOS ET AL.	9/91	P
5TRA	TRANSFER RNA (YEAST, SER)	A.DOCK-BREGEON	2/90	N
1TFD	TRANSFERRIN (N-TERMINAL HALF-MOLECULE)	R.SARRA, P.LINDLEY	8/90	P
2TGF	TRANSFORMING GROWTH FACTOR (NMR, AVERAGE)	I.CAMPBELL ET AL.	1/91	P
3TGF	TRANSFORMING GROWTH FACTOR (NMR, 4 STRCTS)	I.CAMPBELL ET AL.	1/91	P
5TGL	TRIACYLGLYCEROL LIPASE /INHIBITOR	VANDIEPEN, DEREWENDA ET AL.	10/91	P
3TGL	TRIACYLGLYCEROL ACYLHYDROLASE	Z.DEREWENDA	7/91	H
4TGL	TRIACYLGLYCEROL ACYLHYDROLASE COMPLEX	Z.DEREWENDA	7/91	H
1TMD	*TRIMETHYLAMINE DEHYDROGENASE	F.S.MATHEWS, L.LIM, S.WHITE	1/91	P
4TIM	TIM (TRYPANOSOMAL) /2-PHOSPHOGLYCERATE	NOBLE, WIERENGA, HOL ET AL.	4/91	P
5TIM	TIM (TRYPANOSOMAL) /SULFATE	R.WIERENGA, W.HOL ET AL.	4/91	RP
6TIM	TIM (TRYPANOSOMAL) /GLYCEROL-3-PHOSPHATE	NOBLE, WIERENGA, HOL ET AL.	4/91	P
3YPI	TIM (YEAST) MUTANT (H95Q) /PGH	E.LOLIS, G.PETSKO	1/91	P
2TPR	TRYPANOTHIONE REDUCTASE	J.KURIYAN ET AL.	8/91	P
1GBT	*TRYPSIN (GUANIDINOBENZOYL)	R.SWEET ET AL.	9/91	P
2TLD	TRYPSIN/SSI MUTANT (M70G, M73K)	Y.MITSUI ET AL.	9/91	P
9PTI	TRYPSIN INHIBITOR (BOVINE, MET 52 OXIDIZD)	EIGENBROT, RANDAL, KOSSIAKFF	4/91	P
3CTI	TRYPSIN INHIBITOR (SQUASH) (NMR, 6 STRCTS)	T.HOLAK, M.NILGES ET AL.	3/91	P
1TIE	TRYPSIN INHIBITOR (ERYTHRINA CAFFRA)	S.ONESTI, P.BRICK, D.BLOW	2/91	P
1BTI	TRYPSIN INHIBITOR (BOVINE) MUTANT (F22A)	A.WLODAWER ET AL.	7/91	P
1PI2	BOWMAN-BIRK TRYPSIN INHIBITOR PI-2	P.CHEN, J.ROSE, B.C.WANG	3/91	P
1BOV	*VEROTOXIN-1 (B SUBUNIT) (E.COLI)	P.STEIN ET AL.	10/91	P
1XIM	D-XYLOSE ISOMERASE (A.MIS.) /XYLITOL/CO	J.JANIN ET AL.	5/91	P
2XIM	D-XYLOSE ISOMERASE (A.MIS.) /XYLOSE/MG	J.JANIN ET AL.	5/91	P
3XIM	D-XYLOSE ISOMERASE (A.MIS.) /SORBITOL/CO	J.JANIN ET AL.	5/91	P
1XIS	D-XYLOSE ISOMERASE (S.RUBIGINOSUS) /MNCL2	M.WHITLOW, A.HOWARD	3/91	H
2XIS	D-XYLOSE ISOMERASE (S.RUB.) /XYLITOL	M.WHITLOW, A.HOWARD	3/91	H

3XIS	D-XYLOSE ISOMERASE (S.RUB.) /XYLOSE	M.WHITLOW, A.HOWARD	3/91	H
4XIS	D-XYLOSE ISOMERASE (S.RUB.) /XYLOSE/MNCL2	M.WHITLOW, A.HOWARD	3/91	H
1MS2	MS2 VIRUS (BACTERIOPHAGE)	K.VALEGARD, L.LILJAS	5/91	P
1MEC	*MENGO VIRUS (LOW PH)	M.ROSSMANN	1/92	P
1DPV	PARVOVIRUS (CANINE, MONOCLINIC)	M.ROSSMANN ET AL.	11/90	P
1SNV	*SINDBIS VIRUS CAPSID PROTEIN	M.ROSSMANN ET AL.	9/91	P
1TME	*THEILER'S MURINE ENCEPHALOMYELITIS VIRUS	R.GRANT, D.FILMAN, J.HOGLE	1/92	P
5ZNF	*ZINC FINGER (NMR, 13 STRUCTURES)	KOCHOYAN, KEUTMANN, WEISS	8/91	P
7ZNF	*ZINC FINGER (SWAP, NMR, 12 STRUCTURES)	KOCHOYAN, KEUTMANN, WEISS	8/91	P
1CLG	COLLAGEN (3 CHAINS OF 12 (G-P-P)) (MODEL)	J.CHEN	9/91	P
2CLG	COLLAGEN (3 CHNS 12 (G-P-HYDRXYPRO)) (MODEL)	J.CHEN	9/91	P
3CLG	COLLAGEN (15 CHAINS OF 12 (G-P-P)) (MODEL)	J.CHEN	9/91	P
4CLG	COLLAGEN (15CHS 12 (G-P-HYDRXYPRO)) (MODEL)	J.CHEN	9/91	P
5ZNA	DNA (Z, GCGCGCGCGCGCGC) MODEL	A.ANSEVIN, A.WANG	2/91	P
1PHV	HIV-1 PROTEASE/ACETYL PEPSTATIN MODEL	A.GUSTCHINA, I.WEBER	2/91	P
2PHV	HIV-1 PROTEASE/RENIN INHIBTR H261 MODEL	A.GUSTCHINA, I.WEBER	2/91	P
2IGE	IMMUNOGLOBULIN E (FC FRAGMENT) MODEL	E.PADLAN, B.HELM	10/90	P
1IPT	INTRON (CORE OF GROUP I INTRONS) MODEL	F.MICHEL, E.WESTHOF	5/91	P
1MCA	MCAF/MCP-1 (HUMAN) MODEL	A.GRONENBORN, G.CLORE	4/91	P
1PAI	PROTEIN C INHIBITOR (2 MODELS)	L.KUHN, C.FISHER, J.TAINER	7/90	P
1RRN	5S RIBOSOMAL RNA MODEL	WESTHOF, ROMBY, EHRESMANN	6/91	P
1SLK	SILK I (POLY ALA-GLY) MODEL	H.SCHERAGA ET AL.	10/91	P
2SLK	SILK II (POLY ALA-GLY) MODEL	H.SCHERAGA ET AL.	10/91	P
1SDG	SORBITOL DEHYDROGENASE MODEL	H.EKLUND ET AL.	8/90	N
R2AAASF	ACID ALPHA-AMYLASE (ASPERGILLUS NIGER)	G.DODSON ET AL.	3/91	SH
R1AKESF	*ADENYLATE KINASE (E.COLI) /AP5A	C.MUELLER, G.SCHULZ	11/91	S
R1ACHSF	ALPHA1 ANTICHYMOTRYPSIN (HUMAN)	BAUMANN, HUBER ET AL.	1/91	SH
R4ICBSF	CALBINDIN D9K (BOVINE)	L.A.SVENSSON	8/91	S
R2SCPSF	SARCOPLASMIC CALCIUM-BINDING PROTEIN	W.COOK, S.VIJAY-KUMAR	8/91	S
R3CACSF	CARBONIC ANHYDRASE C/SO3	A.LILJAS ET AL.	9/91	S
R4CACSF	CARBONIC ANHYDRASE C (PH 6)	A.LILJAS ET AL.	9/91	S
R1CD8SF	*CD8 (HUMAN)	LEAHY, AXEL, HENDRICKSON	1/91	S
R3CHYSF	CHE Y (ESCHERICHIA COLI)	K.VOLZ, P.MATSUMURA	4/91	S
R1ACBSF	*ALPHA-CHYMOTRYPSIN (BOVINE) /EGLIN C	M.BOLOGNESI ET AL.	11/91	S
R1CGISF	*ALPHA-CHYMOTRYPSINOGEN A/PSTI VARIANT 3	H.HECHT ET AL.	10/91	S
R1CGJSF	*ALPHA-CHYMOTRYPSINOGEN A/PSTI VARIANT 4	H.HECHT ET AL.	10/91	S
R1CCDSF	CLARA CELL 17 KDA PROTEIN (RAT)	T.UMLAND ET AL.	9/91	S
R1BB2SF	BETA-B2 CRYSTALLIN (BOVINE)	C.SLINGSBY ET AL.	7/91	S
R2YCCSF	CYTOCHROME C (YEAST, ISO-1, OXIDIZED)	A.BERGHUIS, G.BRAYER	1/91	S
R1YEASF	CYTOCHROME C (YEAST, ISO-2, REDUCED)	M.MURPHY, G.BRAYER	10/91	S
R1YEBSF	CYTOCHROME C (YEAST B-2036 COMPOST, REDCD)	M.MURPHY, G.BRAYER	10/91	S
R1C2RSF	CYTOCHROME C2 (RHODOBACTER CAPSULATUS)	H.HOLDEN ET AL.	3/91	S
R1DFNSF	DEFENSIN HNP-3 (HUMAN)	D.EISENBERG ET AL.	1/91	S
R1D26SF	DNA (GCCC (G3P) GGC)	U.HEINEMANN ET AL.	9/90	S
R1D29SF	DNA (CGTGAATTCACG, SYNTHETIC, 0 DEG C)	LARSEN, KOPKA, DICKERSON	1/91	S
R1D30SF	DNA (CGCGAATTCGCG, SYNTHETIC) /DAPI	LARSEN, DICKERSON ET AL	1/91	S
R1D39SF	DNA (CGCGCG) /CUCL2	T.KAGAWA, P.HO ET AL.	5/91	SH
R1D40SF	DNA ((5MC) GUA (5MC) G) /CUCL2	GEIERSTANGER, HO ET AL.	5/91	SH
R1D41SF	DNA ((5MC) GUA (5MC) G)	G.ZHOU, P.HO	5/91	SH
R1D43SF	DNA (CGCGAATTCGCG) /HOECHST 33258/0C	R.DICKERSON ET AL.	5/91	S
R1D45SF	DNA (CGCGAATTCGCG) /HOECHST 33258/-25C	R.DICKERSON ET AL.	5/91	S
R1D46SF	DNA (CGCGAATTCGCG) /HOECHST 33258/-100C	R.DICKERSON ET AL.	5/91	S
R1D49SF	DNA (CGATTAATCG)	R.DICKERSON ET AL.	9/91	S
R1D55SF	*DNA (GAAGCTTC) /ACTINOMYCIN D	KAMITORI, TAKUSAGAWA	2/92	SH
R1CGCSF	*DNA (CCGGCGCCGG)	U.HEINEMANN, M.BANSAL	1/92	S
R4ESTSF	ELASTASE/DIFLUOROKETONE INHIBTR COMPLEX	E.MEYER JR. ET AL.	5/89	SH
R5ESTSF	ELASTASE/BORONIC ACID INHIBITOR COMPLEX	E.MEYER JR. ET AL.	5/89	SH
R3EBXSF	ERABUTOXIN B (SEA SNAKE)	B.LOW ET AL.	1/88	SH
R3FISSF	FIS (E.COLI)	R.DICKERSON ET AL.	9/91	S
R4FISSF	FIS (E.COLI) MUTANT (R89C)	R.DICKERSON ET AL.	9/91	S
R2FX1SF	FLAVODOXIN (D.VULGARIS, ROOM TEMPERATURE)	W.WATT, K.WATENPAUGH	1/91	S
R3FX1SF	FLAVODOXIN (D.VULGARIS, -150C, OXIDIZED)	W.WATT, K.WATENPAUGH	1/91	S
R4FX1SF	FLAVODOXIN (D.VULGARIS, -150C, SEMIQUINONE)	W.WATT, K.WATENPAUGH	1/91	S
R5FX1SF	FLAVODOXIN (D.VULGARIS, -150C, HYDROQUINON)	W.WATT, K.WATENPAUGH	1/91	S
R1GGASF1	*G-GLYCERALDEHYDE-PHOSPHATE DEHYDROGENASEVELLIEUX, HAJDU, HOL		10/91	S
R1GGASF2	*G-GLYCERALDEHYDE-PHOSPHATE DEHYDROGENASEVELLIEUX, HAJDU, HOL		10/91	S
R1GKYSF	*GUANYLATE KINASE (BAKER'S YEAST) /GMP	T.STEHLE, G.SCHULZ	12/91	S
R1HGDSF	*HEMAGGLUTININ MUTANT (G135 (A) R)	D.WILEY ET AL.	11/91	S

R1HGSEF	*HEMAGGLUTININ MUTANT (G135 (A) R) /NEU5AC2MED.	WILEY ET AL.	11/91 S
R1HGFSF	*HEMAGGLUTININ	D.WILEY ET AL.	11/91 S
R1HGGSF	*HEMAGGLUTININ/ALPHA (2, 3) SIALYLLACTOSE	D.WILEY ET AL.	11/91 S
R1HGHSF	*HEMAGGLUTININ/NEU5AC (ALPHA) 2BAC	D.WILEY ET AL.	11/91 S
R1HGISF	*HEMAGGLUTININ/4-ACETYL-NEU5AC (ALPHA) 2ME	D.WILEY ET AL.	11/91 S
R1HGJSF	*HEMAGGLUTININ/9-AMINO-NEU5AC (ALPHA) 2ME	D.WILEY ET AL.	11/91 S
R1HGKSF	*HEMAGGLUTININ/ALPHA (2, 3) SIALYLLACTOSE (2)	D.WILEY ET AL.	11/91 S
R1HGLSF	*HEMAGGLUTININ/ALPHA (2, 3) SIALYLLACTOSE (8)	D.WILEY ET AL.	11/91 S
R1HGMFSF	*HEMAGGLUTININ/ALPH (2, 3) SIALYLLACTOSE (32)	D.WILEY ET AL.	11/91 S
R1HGNSF	*HEMAGGLUTININ/ALPHA (2, 6) SIALYLLACTOSE (2)	D.WILEY ET AL.	11/91 S
R1HGOSF	*HEMAGGLUTININ/ALPHA (2, 6) SIALYLLACTOSE (8)	D.WILEY ET AL.	11/91 S
R1HGPSF	*HEMAGGLUTININ/ALPH (2, 6) SIALYLLACTOSE (32)	D.WILEY ET AL.	11/91 S
R1HGQSF	*HEMAGGLUTININ/NEU5AC (ALPHA) 2MAC (50MM)	D.WILEY ET AL.	11/91 S
R1HGRSF	*HEMAGGLUTININ/NEU5AC (ALPHA) 2ME (2MM)	D.WILEY ET AL.	11/91 S
R1HGSSF	*HEMAGGLUTININ/NEU5AC (ALPHA) 2ME (100MM)	D.WILEY ET AL.	11/91 S
R1HCYSF	HEMOCYANIN (PANULIRUS INTERRUPTUS)	A.VOLBEDA, W.HOL	5/91 S
R1HBGSF	HEMOGLOBIN (GLYCERA DIBRANCHIATA, CO)	W.LOVE ET AL.	2/91 S
R2HBGSF	HEMOGLOBIN (GLYCERA DIBRANCHIATA, DEOXY)	W.LOVE ET AL.	2/91 S
R1HBASF	*HEMOGLOBIN ROTHSCHILD MUTANT (W37 (B) R)	J.KAVANAUGH, A.ARNONE	1/92 S
R1HBBSF	*HEMOGLOBIN (LOW SALT)	J.KAVANAUGH, A.ARNONE	1/92 S
R1PBXSF	*HEMOGLOBIN (PAGOTHENIE BERNACCHII) /CO	G.FERMI	11/91 S
R1MAMSF	*FAB (MOUSE MONOCLONAL ANTIBODY YST9.1)	D.ROSE	1/92 S
R7INSSF	INSULIN (PORCINE) /M-CRESOL/CLUPEINE Z	F.KORBER ET AL.	9/91 S
R4BLMSF	BETA-LACTAMASE (BACILLUS LICHENIFORMIS)	J.KNOX, P.MOEWES	5/91 SH
R8LDHSF	APO-M4-LACTATE DEHYDROGENASE/CITRATE	M.ROSSMANN ET AL.	1/88 S
R7LDHSF	LACTATE DEHYDROGENASE COMPLEXES	M.ROSSMANN ET AL.	1/88 S
R6LDHSF	APO-M4-LACTATE DEHYDROGENASE (DOGFISH)	M.ROSSMANN ET AL.	11/87 S
R1LDMSF	LACTATE DEHYDROGENASE/NADH/OXAMATE (DOGF)	J.GRIFFITH, M.ROSSMANN	11/87 S
R1LDNSF	*LACTATE DEHYDROGENASE/NADH/OXAMATE/F1, 6BPD	WIGLEY ET AL.	11/91 S
R1LFHSF	*LACTOFERRIN (HUMAN MILK, APO)	ANDERSON, BAKER, NORRIS	9/91 S
R1LAPSF	LEUCINE AMINOPEPTIDASE (BOVINE LENS)	W.LIPSCOMB ET AL.	8/90 SH
R1LADSF	LIPOAMIDE DEHYDROGENASE (A.VINELANDII)	MATTEVI, SCHIERBEEK, HOL	9/90 S
R1LHMSF	LYSOZYME MUTANT (C77A, C95A) (HUMAN)	K.INAKA, M.MATSUSHIMA	10/91 S
R2LHMSF	LYSOZYME MUTANT (Q86D, A92D) (HUMAN) (APO)	K.INAKA, M.MATSUSHIMA	10/91 S
R3LHMSF	LYSOZYME MUTANT (Q86D, A92D) (HUMAN) (HOLO)	K.INAKA, M.MATSUSHIMA	10/91 S
R1LZ3SF	*LYSOZYME (TURKEY)	K.HARATA	2/92 S
R3LZ2SF	LYSOZYME (TURKEY)	P.L.HOWELL ET AL.	9/91 S
R2MCMSF	MACROMOMYCIN (STREPTOMYCES MACROMOMYCTCS)	P.VAN ROEY	5/91 S
R1MEESF	MESENTERICOPEPTIDASE/EGLIN C	DAUTER, BETZEL, WILSON	4/91 S
R1MADSF	METHYLAMINE DEHYDROGENASE	F.VELLIEUX, W.HOL	2/91 SH
R5MBASF	MET MYOGLOBIN (A.LIMACINA) /AZIDE PH 7.0	M.BOLOGNESI ET AL.	1/91 S
R1MM1SF	MYOGLOBIN MUTANT (K45R, C110A) (HUMAN)	S.HUBBARD	3/90 S
R1MYTSF	MYOGLOBIN (MET, YELLOWFIN TUNA)	BIRNBAUM, ROSE, PRZBLSKA	5/91 S
R1NPXSF	NADH PEROXIDASE (NON-NATIVE, OXIDIZED)	G.SCHULZ ET AL.	8/91 SH
R1NPCSF	*NEUTRAL PROTEASE (BACILLUS CEREUS)	J.JANSONIUS ET AL.	1/92 S
R1NN2SF	NEURAMINIDASE N2 (A/TOKYO/3/67)	J.VARGHESE, P.COLMAN	3/91 SH
R1NN9SF	NEURAMINIDASE N9	P.COLMAN ET AL.	3/91 SH
R2NN9SF	NEURAMINIDASE N9 MUTANT (S370L)	P.COLMAN ET AL.	3/91 SH
R3NN9SF	NEURAMINIDASE N9 MUTANT (N329D)	P.COLMAN ET AL.	3/91 SH
R4NN9SF	NEURAMINIDASE N9 MUTANT (I368R)	P.COLMAN ET AL.	3/91 SH
R5NN9SF	NEURAMINIDASE N9 MUTANT (A369D)	P.COLMAN ET AL.	3/91 SH
R6NN9SF	NEURAMINIDASE N9 MUTANT (K432N)	P.COLMAN ET AL.	3/91 SH
R1Q21SF	C-H-RAS P21 PROTEIN/GDP	S.-H.KIM	5/90 SH
R2Q21SF	C-H-RAS P21 PROTEIN MUTANT (G12V) /GDP	S.-H.KIM	5/90 SH
R3Q21SF	C-H-RAS P21 PROTEIN/GDPCP	S.-H.KIM	5/90 SH
R1PE6SF	PAPAIN/E-64-C	D.YAMAMOTO ET AL.	5/91 S
R1PSASF	*PEPSIN/RENIN INHIBITOR	L.CHEN, C.ABAD-ZAPATERO	10/91 S
R1PGDSF	6-PHOSPHOGLUCONATE DEHYDROGENASE (SHEEP)	M.ADAMS ET AL.	8/91 S
R7PCYSF	PLASTOCYANIN (ENTEROMORPHA, CU2+)	COLLYER, GUSS, FREEMAN	9/89 S
R2PRKSF	PROTEINASE K (TRITIRACHIUM ALBUM LIMBER)	BETZEL, PAL, SAENGER	11/87 SH
R2PNPSF	PURINE NUCLEOSIDE PHOSPHORYLASE (HUMAN)	S.EALICK ET AL.	11/89 SH
R6RLXSF	*RELAXIN (HUMAN)	C.EIGENBROT ET AL.	6/91 SH
R1RNSF	*RIBONUCLEASE A (BOVINE) /DNA (CG)	C.AGUILAR ET AL.	10/91 S
R1SARSF	RIBONUCLEASE SA (STREP. AUREOFACIENS)	SEVCIK, DODSON, DODSON	1/91 S
R2SARSF	RIBONUCLEASE SA (STREP. AUREOFACIENS) /GMP	SEVCIK, DODSON, DODSON	1/91 S
R5RNTSF	RIBONUCLEASE T1/GUANOSINE-3', 5'-BISPHSPHSAENGER, HEINEMANN, LENZ	SAENGER, HEINEMANN, LENZ	4/91 S
R9RNTSF	RIBONUCLEASE T1	W.SAENGER ET AL.	9/91 S
R8RXNSF	RUBREDOXIN (D.VULGARIS)	DAUTER, SIEKER, WILSON	8/91 S
R2SNMSF	STAPH NUCLEASE MUTANT (V66K)	E.LATTMAN ET AL.	4/91 S
R1ST3SF	*SUBTILISIN BL (BACILLUS LENTUS)	D.GODDETTE	11/91 S

R3SODSF	SUPEROXIDE DISMUTASE (BOVINE)	J.TAINER ET AL.	6/90 SH
R1SDYSF	SUPEROXIDE DISMUTASE (YEAST)	M.BOLOGNESI ET AL.	4/91 S
R4TAASF	TAKA-AMYLASE (ASPERGILLUS ORYZAE)	H.SWIFT ET AL.	2/91 SH
R1TRBSF	*THIOREDOXIN REDUCTASE (E.COLI)	J.KURIYAN, T.KRISHNA	9/91 S
R2TPRSF	TRYPANOTHIONE REDUCTASE	J.KURIYAN ET AL.	8/91 S
R9PTISF	TRYPSIN INHIBITOR (BOVINE, MET 52 OXIDIZD)	C.EIGENBROT ET AL.	4/91 S
R1MS2SF	MS2 VIRUS (BACTERIOPHAGE)	K.VALEGARD, L.LILJAS	5/91 S
R1R1ASF	RHINOVIRUS 1A	M.ROSSMANN ET AL.	12/88 S
R1RMUSF	RHINOVIRUS MUTANT ((1)C199Y)	M.ROSSMANN ET AL.	10/88 S
R2RMUSF	RHINOVIRUS MUTANT ((1)V188L)	M.ROSSMANN ET AL.	10/88 S
R2RR1SF	RHINOVIRUS/ANTIVIRAL AGENT 1R COMPLEX	M.ROSSMANN ET AL.	10/88 S
R2RS1SF	RHINOVIRUS/ANTIVIRAL AGENT 1S COMPLEX	M.ROSSMANN ET AL.	10/88 S
R2RM2SF	RHINOVIRUS/ANTIVIRAL AGENT 2 COMPLEX	M.ROSSMANN ET AL.	10/88 S
R2RS3SF	RHINOVIRUS/ANTIVIRAL AGENT 3S COMPLEX	M.ROSSMANN ET AL.	10/88 S
R2R04SF	RHINOVIRUS/ANTIVIRAL AGENT 4 COMPLEX	M.ROSSMANN ET AL.	10/88 S
R2RS5SF	RHINOVIRUS/ANTIVIRAL AGENT 5S COMPLEX	M.ROSSMANN ET AL.	10/88 S
R2R06SF	RHINOVIRUS/ANTIVIRAL AGENT 6 COMPLEX	M.ROSSMANN ET AL.	10/88 S
R2R07SF	RHINOVIRUS/ANTIVIRAL AGENT 7 COMPLEX	M.ROSSMANN ET AL.	10/88 S
R1R08SF	RHINOVIRUS/ANTIVIRAL AGENT 8 COMPLEX	M.ROSSMANN ET AL.	10/88 S
R1ACPMP	ACYL CARRIER PROTEIN (NMR)	J.PRESTEGARD, Y.KIM	7/90 M
R1APSMR	ACYLPHOSPHATASE (NMR)	V.SAUDEK ET AL.	2/91 M
R1HOMMR	*ANTENNAPEPIA HOMEODOMAIN (NMR)	K.WUTHRICH ET AL.	10/91 M
R1HOAMR	*A. HOMEODOMAIN (NMR, 20STRCTS) MUTANT (C39S)	K.WUTHRICH ET AL.	11/91 M
R1BW1MR	*BARWIN (NMR, 20 STRUCTURES)	F.POULSEN	11/91 M
R1BW2MR	*BARWIN (NMR, 20 STRUCTURES)	F.POULSEN	11/91 M
R1NB1MR	*BUNGAROTOXIN (NEURONAL) (NMR)	OSWALD, SUTCLIFFE ET AL	10/91 M
R1CB1MR	*CALBINDIN D9K (PORCINE) (NMR, 14 STRUCTURS)	AKKE, DRAKENBERG, CHAZIN	12/91 M
R1PBAMR	*CARBOXYPEPTIDASE B (ACTIVATION DOMAIN)	K.WUTHRICH ET AL.	11/91 M
R3CI2MR	CHYMOTRYPSIN INHIBITOR 2 (BARLEY) (NMR)	F.POULSEN	9/91 M
R1HCMMR	16TH COMPLEMENT CONTROL PROTEIN (NMR)	NORMAN, BARLOW, CAMPBELL	11/90 M
R1CTGMR	CONOTOXIN GIIA (NMR)	LANCELIN, KOHDA, INAGAKI	8/91 M
R1D42MR	DNA (GTATATAC) (NMR)	U.SCHMITZ, T.JAMES	5/91 M
R1EGOMR	GLUTAREDOXIN (OXIDIZED) (E.COLI) (NMR)	K.WUTHRICH ET AL.	10/91 M
R1EGMR	GLUTAREDOXIN (REDUCED) (E.COLI) (NMR)	K.WUTHRICH ET AL.	10/91 M
R2GF1MR	INSULIN-LIKE GROWTH FACTOR 1 (NMR)	COOKE, HARVEY, CAMPBELL	1/91 M
R6I1BMR	INTERLEUKIN 1B (HUMAN) (NMR)	CLORE, GRONENBORN ET AL	1/91 M
R1ITLMR	*INTERLEUKIN 4 (HUMAN) (NMR)	C.DOBSON ET AL.	2/92 MH
R1ZTAMR	LEUCINE ZIPPER (GCN4 TAP) (NMR)	A.PASTORE ET AL.	10/90 M
R1PDCMR	PDC-109 TYPE II B-DOMAIN (NMR)	M.LLINAS ET AL.	10/91 M
R1PK2MR	PLASMINOGEN ACTIVATOR (KRINGLE 2 DOMAIN)	M.LLINAS, I.BYEON	9/91 M
R9PCYMR	PLASTOCYANIN (FRENCH BEAN) (NMR)	P.WRIGHT ET AL.	3/91 M
R1GB1MR	PROTEIN G (B1 DOMAIN) (GROUP G STREPTOCOCCS)	CLORE, GRONENBORN ET AL	7/91 M
R1PRAMR	*R1-69 N-TERMINUS OF 434 REPRESSOR	K.WUTHRICH ET AL.	11/91 M
R2TGfMR	TRANSFORMING GROWTH FACTOR (NMR)	I.CAMPBELL ET AL.	1/91 M
R3CTIMR	TRYPSIN INHIBITOR (SQUASH) (NMR)	T.HOLAK, M.NILGES ET AL	3/91 M

* NEW OR REPLACEMENT ENTRY SINCE OCT-1991 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 3
 S STRUCTURE FACTORS

Name of User _____ Date _____
 Address _____ Phone _____
 _____ E-mail _____
 _____ Fax # _____

		<u>6250cpi</u>	<u>1600cpi</u>	<u>TK50</u>	<u>1/4"</u>	<u>8mm</u>	<u>DAT</u>
<u>DATAPRTP</u> (all available coordinate entries, bibliographic entries, and some computer programs)	VAX/VMS backup	<input type="checkbox"/> \$413	<input type="checkbox"/> \$877	<input type="checkbox"/> \$560			
	VAX/VMS copy	<input type="checkbox"/> \$413	<input type="checkbox"/> \$877	<input type="checkbox"/> \$560			
	Unlabeled ASCII	<input type="checkbox"/> \$413	<input type="checkbox"/> \$877				
	Unlabeled EBCDIC	<input type="checkbox"/> \$413	<input type="checkbox"/> \$877				
	SGI/SUN/IBM/E&S UNIX tar				<input type="checkbox"/> \$348	<input type="checkbox"/> \$348	<input type="checkbox"/> \$348

		<u>6250cpi</u>	<u>1600cpi</u>	<u>TK50</u>	<u>1/4"</u>	<u>8mm</u>	<u>DAT</u>
<u>PDBPGMTP</u> (all computer programs and miscellaneous files)	VAX/VMS copy	<input type="checkbox"/> \$336	<input type="checkbox"/> \$336	<input type="checkbox"/> \$359			
	SGI/SUN/IBM/E&S UNIX tar				<input type="checkbox"/> \$348	<input type="checkbox"/> \$348	<input type="checkbox"/> \$348

<u>STRUCTURE FACTOR ENTRIES</u> (experimental diffraction data)	Choose desired tape(s):	<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	<input type="checkbox"/> NONST9TP
	Choose one format for selection(s) shown above:									
	VAX/VMS backup	<input type="checkbox"/> \$336	<input type="checkbox"/> \$336	<input type="checkbox"/> \$359						
	VAX/VMS copy	<input type="checkbox"/> \$336	<input type="checkbox"/> \$336	<input type="checkbox"/> \$359						
	Unlabeled ASCII	<input type="checkbox"/> \$336	<input type="checkbox"/> \$336							
Unlabeled EBCDIC	<input type="checkbox"/> \$336	<input type="checkbox"/> \$336								
SGI/SUN/IBM/E&S UNIX tar				<input type="checkbox"/> \$348	<input type="checkbox"/> \$348	<input type="checkbox"/> \$348	<input type="checkbox"/> \$348			

		<u>6250cpi</u>	<u>1600cpi</u>	<u>TK50</u>	<u>1/4"</u>	<u>8mm</u>	<u>DAT</u>
<u>NMRRS1TP</u> (NMR experimental data entries)	VAX/VMS backup	<input type="checkbox"/> \$336	<input type="checkbox"/> \$336	<input type="checkbox"/> \$359			
	VAX/VMS copy	<input type="checkbox"/> \$336	<input type="checkbox"/> \$336	<input type="checkbox"/> \$359			
	Unlabeled ASCII	<input type="checkbox"/> \$336	<input type="checkbox"/> \$336				
	Unlabeled EBCDIC	<input type="checkbox"/> \$336	<input type="checkbox"/> \$336				
	SGI/SUN/IBM/E&S UNIX tar				<input type="checkbox"/> \$348	<input type="checkbox"/> \$348	<input type="checkbox"/> \$348

<u>PRINTED LISTINGS</u>	Indicate IDENT Code(s) from list of available coordinate entries in Newsletter:	
	<input type="checkbox"/> \$102 (code _____)	<input type="checkbox"/> \$102 (code _____)

TOTAL CHARGES

Magnetic tape charges \$ _____
 Foreign air mail charges (\$19 per tape item mailed outside U.S. and Canada) . . . \$ 19.00 (if applicable)
 Printed listing charges \$ _____
 (Prices are valid until September 30, 1992) **TOTAL COST** \$ _____

DOCUMENTATION (no charge)

- Latest Newsletter
- Atomic Coordinate and Bibliographic Entry Format Description for DATAPRTP and DATAPRFI (Feb. 1992)
- Current DATAPRTP Directory
- Sources of Visual Aids for Macromolecular Structure (Feb. 1990)
- Complete List of Bibliographic Entries
- Detailed Contents and Format Description for Each Structure Factor Entry
- Data Deposition Form

PLACING AN ORDER

(Prices are valid until September 30, 1992)

- Brookhaven must receive the following three items before service is provided:

1. completed order form
2. self-addressed label
3. payment (use one of the methods listed below):

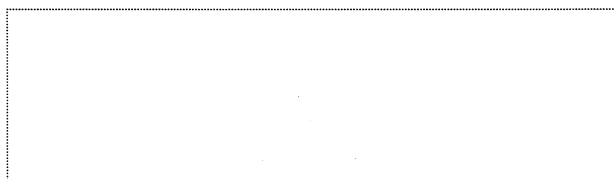
- ☛ Check payable to Brookhaven National Laboratory in U.S. dollars and drawn on a U.S. bank. Foreign checks are not acceptable.
- ☛ Original hardcopy of purchase order payable to Brookhaven National Laboratory.
- ☛ Wire transfer. In order to use wire transfer capabilities, Brookhaven must first receive an original purchase order from you. After you receive our invoice, your bank should send a wire transfer to:

Bank name: Morgan Guarantee Trust Company of New York
Acct. name: Brookhaven National Laboratory
Cust. Acct. : 076-51-912

- Please mail (facsimile is not recommended) all required items to:

Protein Data Bank Orders
Chemistry Department, Building 555
Brookhaven National Laboratory
Upton, New York 11973 U.S.A.

Protein Data Bank
Chemistry Department - Building 555
Brookhaven National Laboratory
Upton, NY 11973 U.S.A.



First Class