

This PDB release includes 105 new atomic coordinate entries, bringing the total number of coordinate entries to 790. The size of the atomic coordinate and bibliographic entry database (DATAPRTP) is now 176 Mbytes.

Effective January 1, 1992, we will require that all atomic coordinate entries be deposited in PDB format. This step is necessary in order to expedite the input of new structures into the database; anyone who expects it to cause them extreme difficulty should contact us immediately by e-mail at PDB@BNLCHM.BITNET. We are now in the process of developing an extensive set of guidelines for depositors, which will be issued in conjunction with a newly revised data deposition form. The guidelines will be available after December 15, 1991, via the PDB e-mail file server and by anonymous FTP, and will also be published in the January 1992 Newsletter.

As we indicated in the July 1991 Newsletter, we now are preprocessing all newly deposited atomic coordinate entries upon receipt. Before we assign a PDB Ident Code, besides the data file itself we require a completed deposition form and preprints or reprints of all publications that will be referenced in the entry. Once the above information is in hand, we perform an initial check of the data that includes the following:

- a. For proteins, the submitted amino acid sequence is compared with the various sequence databases and any discrepancies are noted.
- b. The stereochemistry is checked thoroughly. This includes comparison of bond distances and angles with expected values, evaluation of distortions of planar groups, and generation of a Ramachandran plot for proteins.
- c. A search is performed for any unacceptably close crystal contacts between symmetry-related molecules.
- d. The structure is inspected visually to ensure that no other obvious errors are present.

Any problems noted at the preprocessing stage are immediately referred to the depositor for comment and resolution. After this has been done, we issue the PDB Ident Code and list the entry in our published tables. Then, once we have completed full processing, we send any further comments to the depositor together with the proposed entry for final checking and approval.

Investigators are strongly urged to deposit their data well before publication to avoid delay and allow time for us to complete the preprocessing procedure. We are making every effort to do so as quickly as possible, but in certain instances several weeks may elapse before an Ident Code can be issued, particularly when problems are noted.

The bibliographic entries included on DATAPRTP represent structures that have been published but for which coordinates are not available from the PDB at this time. These bibliographic entries have Ident Codes that begin with 0 (zero). They will now be designated as PDB0xxx.NOC on our distribution tapes, in order to avoid confusion with the entries that do contain coordinates. These latter will continue to be named PDBnxxx.ENT where n is non-zero. The above change in file names will affect only labeled tapes; unlabeled ASCII and EBCDIC tapes will, of course, remain unchanged.

File Server Available:

The PDB has an e-mail file server available for your use. This server provides standard PDB general information, documentation and other specialized material. To receive more information, send a message to FILESERV@PB1.CHM.BNL.GOV and include the following text:

send info your_e-mail_address

Anonymous FTP Available:

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

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

To Contact The PDB At Brookhaven:

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Affiliated Centers:

Ten 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

contact: Roger Gough, tel. 613-993-3294, e-mail CANSND@VM.NRC.CA

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

contact: Jan Noordik, tel. 0031-80-653386, e-mail NOORDIK@CAOS.CAOS.KUN.NL

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

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

EMBL, European Molecular Biology Laboratory, Heidelberg, FRG

contact: Peter Rice, tel. 0049-6221-387-247, e-mail RICE@EMBL

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

contact: Hideaki Chihara, tel. 0081-3-816-3389

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

contact: Joseph Golab, tel. 217-244-2756, e-mail JGOLAB@NCSA.UIUC.EDU

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contact: User Interface Group, tel. 0044-925-603351, e-mail UIG@DARESBUURY.AC.UK

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

CODE	ITEM	DATE
		15-OCT-1991
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)	
NMRSTR1TP	NMR EXPERIMENTAL DATA ENTRIES (TABLE 6)	

* NEW OR REPLACEMENT ENTRY SINCE JUL-1991 NEWSLETTER

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

NAME	PURPOSE	AUTHOR(S)	REV DATE/ SUPPORTED
			15-OCT-1991
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
BRUKPT	MAKE VAX/VMS FILES FROM PDB TAPE	H. BOSSHARD	8/85 NO
CONNECT	GENERATE FULL CONNECTIVITY	F. BERNSTEIN	7/89 YES
CONVNT	GENERATE PDB CONTENTS LIST	H. NICHOLAS JR.	4/91 NO
CONVCT	INTERMOLECULAR CONTACTS	L. ANDREWS	5/83 NO
DGPLOT	DIAGONAL PLOTS ON PRINTER	E. SWANSON, F. BERNSTEIN	1/83 YES
DIDRDL	COMPLETE TORSION ANGLES	E. ABOLA	3/80 YES
DIRECTV	DIRECTORY OF PDB DISTRIBUTION TAPE	E. ABOLA	7/86 YES
DISTNCE	CALC DISTANCES FROM CONNECT RECORDS	F. BERNSTEIN	5/79 YES
FISPDL	PHI/PSI PLOTS ON PRINTER	F. BERNSTEIN	5/79 YES
GLYM	COLOR-CODED ALPHA-CARBON MODELS	R. MATELA, R. FLEITERICK	3/82 NO
NAMOD	BALL-AND-STICK MODEL DISPLAY	Y. BEPPO	4/89 NO
PHIPSI	MAIN-CHAIN TORSION ANGLES	ANDREWS, WILLIAMS, BERNSTEIN	2/79 YES
REFMTE	REFORMAT DATA FOR SUPERTAB, SUPERB	L. RELICK, J. DUANE	12/83 YES
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. REKKE	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
ND3	NUCLEIC ACID DATA BASE + PROGRAMS	H. BERGMAN ET AL.	9/89 NO
NEMHEL91	DNA HELIX ANALYSIS	R. DICKERSON ET AL.	4/91 NO
NUPARM	NUCLEIC ACID PARAMETER DETERMINATION	M. BANSAI, D. BHATTACHARYA	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 JUL-1991 NEWSLETTER

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

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

IDENT CODE	MOLECULE	DEPOSITOR(S)	DATE/ STATUS
			15-OCT-1991
4APE	ACID PROTEINASE (ENDOTHA PARASITICA)	T. BLUNDELL ET AL.	6/86
SER1	ENDOTHAPEPSIN/DW624 COMPLEX	COOPER, FOUNDLING, BLUNDELL	11/90
SER2	ENDOTHAPEPSIN/CP-69,789 COMPLEX	T. BLUNDELL, A. SALLI	1/91
SER3	ENDOTHAPEPSIN/CP-71,362 COMPLEX	T. BLUNDELL, J. COOPER	1/91
4ER4	ENDOTHAPEPSIN/H-142 COMPLEX	T. BLUNDELL, S. FOUNDLING	1/91
SER5	ENDOTHAPEPSIN/H-189 COMPLEX	T. BLUNDELL, J. COOPER	1/91
SER6	ENDOTHAPEPSIN/H-256 COMPLEX	T. BLUNDELL ET AL.	10/90
ZER7	ENDOTHAPEPSIN/H-261 COMPLEX	T. BLUNDELL, B. VEERAPANDIAN	11/90
1ER8	*ENDOTHAPEPSIN/H-77 COMPLEX	T. BLUNDELL, A. HEMMINGS	10/89
ZER9	ENDOTHAPEPSIN/L-363,564 COMPLEX	T. BLUNDELL, J. COOPER	10/90
ZER0	ENDOTHAPEPSIN/L-364,099 COMPLEX	T. BLUNDELL, J. COOPER	10/90
4ER1	ENDOTHAPEPSIN/PD125967 COMPLEX	T. BLUNDELL, J. COOPER	10/90
4ER2	ENDOTHAPEPSIN/PEPSTATIN COMPLEX	T. BLUNDELL, B. VEERAPANDIAN	10/90
3APP	ACID PROTEINASE (PENICILLIUMANTHINELLUM)	A. SIELECKI, M. JAMES	11/90 R
ZAPR	ACID PROTEINASE (RHIZOPUS CHINENSIS)	K. SUGUNA, D. DAVIES	3/87
3APR	ACID PROTEINASE/PEPTIDE INHIBITOR COMPLEX	K. 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
ZACT	ACTININ	E. BAKER	11/79
1ACK	ACTINOXANTHIN	V. FLETCHER, A. KUZIN	12/82
3ADK	ADENYLATE KINASE (PORCINE)	G. SCHULZ	11/87
1AK3	ADENYLATE KINASE ISOZYME 3	K. DIEDERICH, G. SCHULZ	1/90
1AGA	AGAROSE	S. ARNOTT	5/78
7WCA	WHEAT GERM AGGLUTININ (ISOLECTIN 1)	C. WRIGHT	4/90
9WCA	WHEAT GERM AGGLUTININ (ISOLECTIN 2)	C. WRIGHT	4/90
1WCC	WHEAT GERM AGGLUTININ (ISOLECTIN 1)/HLA	C. WRIGHT	4/90
2WCC	WHEAT GERM AGGLUTININ (ISOLECTIN 2)/HLA	C. WRIGHT	4/90
1AMT	ALMETHICIN (TRICHODERMA VIRIDE)	R. FOX, F. RICHARDS	12/87
8ADH	ALCOHOL DEHYDROGENASE (APO)	T. A. JONES, H. EKUND	4/89
SADH	ALCOHOL DEHYDROGENASE (APO)/ADP-RIBOSE	H. EKUND, T. A. JONES	1/84
GADH	ALCOHOL DEHYDROGENASE (HOLO)/NADH/DMSO	H. EKUND	1/84
7ADH	ALCOHOL DEHYDROGENASE (ISONICOTINIMIDYLATED)	B. PLAPP, H. EKUND	1/84
1HOE	ALPHA-AMYLASE INHIBITOR HOE-467A	PFLUGRATH, WIEGAND, HUBER	1/89
ZALP	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.	R. BONE, D. AGARD	4/89
1P03	ALPHA-LYTIC PROTEASE/MSUC-A-A-P-V-BORONCR.	R. BONE, D. AGARD	4/89
1P04	ALPHA-LYTIC PROTEASE/MSUC-A-A-P-I-BORONCR.	R. BONE, D. AGARD	4/89
1P05	ALPHA-LYTIC PROTEASE/MSUC-A-A-P-NLEU-BNCR.	R. BONE, D. AGARD	4/89
1P06	ALPHA-LYTIC PROTEASE/MSUC-A-A-P-F-BORONCR.	R. BONE, D. AGARD	4/89
1P07	ALPHA-LYTIC PROTEASE MUTANT (M(192)A)	R. BONE, D. AGARD	4/89

1P08	ALPHA-LYTIC PROTEASE MUTANT (M(192)A) /INHBR.	BONE, D. AGARD	4/89
1P09	ALPHA-LYTIC PROTEASE MUTANT (M(213)A)	R. BONE, D. AGARD	4/89
1P10	ALPHA-LYTIC PROTEASE MUTANT (M(213)A) /INHBR.	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
11A1	ALPHA-1 (SYNTHETIC PEPTIDE)	C. HILL ET AL.	7/90
1ANP	ALZHEIMER'S AMYLOID B-PROTEIN PRECURSOR	T. HYNES ET AL.	9/90
1ABP	L-ARABINOSE-BINDING PROTEIN	F. QUICCO, G. GILLILAND	5/80
6ABP	*ARABINOSE-BINDING PRTN (M108L) /L-ARABINOSE	VERMERSCH, TESMER, QUICCO	4/91
7ABP	*ARABINOSE-BINDING PRTN (M108L) /D-FUCOSE	VERMERSCH, TESMER, QUICCO	4/91
8ABP	*ARABINOSE-BINDING PRTN (M108L) /D-GALACTOSE	VERMERSCH, TESMER, QUICCO	4/91
1AAT	CYTOSOLIC ASPARTATE AMINOTRANSFERASE	HARUTUNYAN, MALASUKHECHVADZE	4/82 A
2AAT	ASPARTATE AMINOTRANSFERASE COMPLEX	SMITH, ALMO, TONEY, RINGE	5/89
2ATC	ASPARTATE CARBAMOYLTRANSFERASE	W. LIPSCOMB	3/82
8ATC	ASPARTATE CARBAMOYLTRANSFERASE (R) /PALA	KE, LIPSCOMB, CHO, HONZATKO	8/89
1AT1	ASPARTATE CARBAMOYLTRANSFERASE (R) /PAM/MLL	GOUAUX, W. LIPSCOMB	8/89
2AT1	ASPARTATE CARBAMOYLTRANSFERASE (R) /PAM/MLL	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 DEUTRICIFICANS)	E. BAKER, C. NORRIS	10/86
1AZU	AZURIN (PSEUDOMONAS AERUGINOSA)	E. ADMAN, L. SIEKER, L. JENSEN	8/80
3BCL	BACTERIOCHLOROPHYLL A PROTEIN	TRONRU, SCHMID, MATTHEWS	6/87
1BRD	BACTERIORHODOPOUSIN (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, AMBA	1/90
1CDP	CA-BINDING PARVALBUMIN (CD SUBSTT) (CARP)	SWAIN, KRETSINGER, AMBA	1/90
1SCP	SARCOPLASMIC CALCIUM-BINDING PROTEIN	W. COOK, S. EALICK ET AL.	6/90
3ICB	CALCIUM-BINDING PROTEIN (INTESTINAL)	D. SEZBENYI, K. MOFFAT	9/86
3CIN	CALMODULIN (RAT)	Y. BABU, C. BUGG, W. COOK	5/82
1TRC	*TRC FRAGMENT OF CALMODULIN	L. SJOLIN ET AL.	1/90
1CAP	CAAPSULAR 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 /SCB (HUMAN)	ERIKSSON, JONES, LILJAS	10/89
3CA2	CARBONIC ANHYDRASE/AMS	ERIKSSON, JONES, LILJAS	10/89
3CPA	CARBOXYPEPTIDASE A/GLYCYLTRYROSINE	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/ZAP (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-TRANSEPEPTIDASE	J. KELLY, J. KNOP, 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. VAINSHTEN 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	CELLULOSE HYDROLASE I (NMR MIN AVRGD STRUCT)	G. CLORE, A. GRONENBORN	5/89
2CBH	CELLULOSE HYDROLASE I (NMR, 41 STRUCTURES)	G. CLORE, A. GRONENBORN	5/89
3CBH	CELLULOSE HYDROLASE (TRICHODERMA RESEI)	A. JONES, J. ROUVINEN	8/90 A
2CH2	CH2 V (SALMELLA TENDICULUM)	STOCK, MOTONOBU, STCK, SCHUTT	5/90 A
1C1A	CHLORAMPHENICOL ACETYLTRANSFERASE (S16A)	M. CIBAN, A. LESLIE	10/89
2C1A	CHLORAMPHENICOL ACETYLTRANSFERASE (D199N)	M. GIBBS, P. MOODY, A. LESLIE	4/90 A
3C1A	CHLORAMPHENICOL ACETYLTRANSFERASE	A. LESLIE	7/90
1C1E	CHONDROITIN-4-SULFATE	S. ARNOTT	5/78
2C4E	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/ACPF3	A. WEI, D. RINGE, R. ABELAS	4/90
7GCH	GAMMA-CHYMOTRYPSIN/ALPF3	A. WEI, D. RINGE, R. ABELAS	4/90
10GCH	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
2C12	CHYMOTRYPSIN INHIBITOR 2 (BARLEY SEEDS)	C. MCPHALEN, M. JAMES	9/88
1CHG	CHYMOTRYPSINOGEN	J. KRAUT, J. BIRKTOFT	3/75
2CCA	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 CMLX)	REMINGTON, WIEGAND, HUBER	1/84
3CTS	CITRATE SYNTHASE (CHICKEN, COA, CITRATE)	REMINGTON, WIEGAND, HUBER	1/84
4CTS	CITRATE SYNTHASE (PIG, OXALOACETATE CMLX)	REMINGTON, WIEGAND, HUBER	1/84
5CTS	CITRATE SYNTHASE/OXALOACETATE/COA	KARPUSAS, BRANCHAUD, REMNGT11/89	
6CTS	CITRATE SYNTHASE/CITRILYTHIOETHER COA	KARPUSAS, BRANCHAUD, REMNGT11/89	
1CSC	CITRATE SYNTHASE/L-MALATE/CRBYMTHL COA	KARPUSAS, HOLLAND, REMINGTON	5/90
2CSC	CITRATE SYNTHASE/D-MALATE/CRBYMTHL 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
1CSA	*COMPLEMENT CSA (DES-ARG) (NMR, 41 STRUCTS)	M. WILLIAMSON, V. MADISON	6/90
2CNA	CONCANAVALIN A	G. REEKE, J. BECKER, G. EDELMAN	4/75
3CNA	CONCANAVALIN A	K. HARMAN	9/76
1CN1	CONCANAVALIN A (DEMETALLIZED)	M. SHOFAN	12/81
1CRN	CRABIN	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
1OCR	GAMMA-IV CRYSTALLIN (CALF)	T. BLUNDELL ET AL.	8/85
2OCR	GAMMA-IV CRYSTALLIN (BOVINE LENS)	H. DRISSESEN ET AL.	5/89
1CBP	CUCUMBER BASIC PROTEIN	J. M. GUSS	

2CCP	CYTOCHROME C PEROXIDASE MUTANT (D235N)	J. KRAUT ET AL.	2/90	3GPD	GLYCERALDEHYDE-3-P-DEHYDROGENASE (HUMAN)	H. WATSON, J. CAMPBELL	6/83
3CCP	CYTOCHROME C PEROXIDASE MUTANT (W191F)	J. KRAUT ET AL.	2/90	1G0X	GLYCOLATE OXIDASE (SPINACH)	Y. LINDQVIST	6/89
4CCP	CYTOCHROME C PEROXIDASE MUTANT (W51F)	J. KRAUT ET AL.	2/90	1GWA	GRAMICIDIN A (BACILLUS BREVIS)	L. DING	8/88
22C2	CYTOCHROME C2 (OXIDIZED)	G. BHATTIA, B. FINZEL, J. KRAUT	11/83	1HSC	HEAT-SHOCK COGNATE PROTEIN (ATPASE FRAGMENT)	D. MCKAY ET AL.	9/90 A
32C2	CYTOCHROME C2 (REDUCED)	G. BHATTIA, B. FINZEL, J. KRAUT	11/83	2HNG	HEMAGGLUTININ MUTANT (G146 (A) D)	R. WILEY ET AL.	9/89
1C3Y	CYTOCHROME C3	R. HASER, M. FREY, F. PAYAN	6/85	3HNG	HEMAGGLUTININ MUTANT (L226 (A) Q)	D. WILEY ET AL.	9/89
2C3V	CYTOCHROME C3 (DESULFOVIBRIO VULGARIS)	N. YASUOKA, M. KAKUDO	11/83	4HNG	HEMAGGLUTININ MUTANT (L126 (A) Q) / SIALIC ACID	WILEY ET AL.	9/89
1C3S	CYTOCHROME C5 (OXIDIZED, AZOTOBACTER VLND)	C. D. STOUT, D. CARTER	8/84	5HNG	HEMAGGLUTININ MUTANT (D112 (B) G) / SIALIC ACID	WILEY ET AL.	9/89
155C	CYTOCHROME C550	R. TIMKOVICH	7/81	1H8B	HEMERYTHRIN B	W. HENDRICKSON	6/76 A
351C	CYTOCHROME C551 (OXIDIZED)	MATSUURA, TARANO, DICKERSON	7/81	1H9Q	HEMERYTHRIN (MET)	STENKAMP, SIEKER, JENSEN	2/83
451C	CYTOCHROME C551 (REDUCED)	MATSUURA, TARANO, DICKERSON	7/81	1H9K	HEMERYTHRIN (AIDIO, MET)	STENKAMP, SIEKER, JENSEN	2/83
2CPP	CYTOCHROME P450CAM (PSEUDOMONAS PUTIDA)	T. POULOS, B. FINZEL, A. HOWARD	4/87	1H9L	HEMERYTHRIN (AIDIO, MET, SIPHONOSOMA)	SMITH, HENDRICKSON, ADDISON	5/83 A
3CPP	CYTOCHROME P450CAM/CAMPHOR MONOOXYGENASE	R. RAAG, T. POULOS	6/89	1HDS	HEMOGLOBIN (DEER, SICKLE CELL)	E. AMMA, R. GIRLING	10/79
4CPP	CYTOCHROME P450CAM/ADAMANTANE	R. RAAG, T. POULOS	5/90	2H5B	HEMOGLOBIN (HORSE, AQO MET)	R. LADNER, HEIDNER, PERUTZ	2/77
5CPP	CYTOCHROME P450CAM/ADAMANTANONE	R. RAAG, T. POULOS	5/90	2H6B	HEMOGLOBIN (HORSE, DEOXY)	M. PERUTZ, G. FERMI	11/73
6CPP	CYTOCHROME P450CAM/CAMPHANE	R. RAAG, T. POULOS	5/90	2H8B	HEMOGLOBIN (HUMAN, DEOXY)	G. FERMI, M. PERUTZ	3/84
7CPP	CYTOCHROME P450CAM/NORCAMPHOR	R. RAAG, T. POULOS	5/90	3H8B	HEMOGLOBIN (HUMAN, DEOXY, SYMMETRY AVRGO)	G. FERMI, M. PERUTZ	3/84
8CPP	CYTOCHROME P450CAM/THIOCAMPHOR	R. RAAG, T. POULOS	5/90	4H8B	HEMOGLOBIN (HUMAN, DEOXY, UNRESTRAINED)	G. FERMI, M. PERUTZ	3/84
8DFR	DIHYDROFLAVATE REDUCTASE (CHICKEN LIVER)	J. KRAUT ET AL.	5/89	1HCO	HEMOGLOBIN (HUMAN, CARBONMONOXY)	J. BALDWIN	8/79
3DFR	DIHYDROFLAVATE REDUCTASE (L. CASEI)	J. BOLIN, D. MATTHEWS, J. KRAUT	6/82	2HCO	HEMOGLOBIN (HUMAN, CARBONMONOXY, NRG REFDND)	J. BALDWIN	8/79
4DFR	DIHYDROFLAVATE REDUCTASE (E. COLI)	J. BOLIN, D. MATTHEWS, J. KRAUT	6/82	1H8O	HEMOGLOBIN (HUMAN, OXY)	B. SHALAN	6/83
5DFR	AP0-DIHYDROFLAVATE REDUCTASE (E. COLI)	J. KRAUT	10/88	1THB	HEMOGLOBIN (HUMAN, T STATE, PARTIALLY OXY)	D. WALLER, R. LIDDINGTON	1/90
6DFR	DIHYDROFLAVATE REDUCTASE (E. COLI) /NADP	J. KRAUT	10/88	1FDH	HEMOGLOBIN (HUMAN, FETAL, DEOXY)	J. FRIER	8/76
7DFR	DIHYDROFLAVATE REDUCTASE (E. COLI) /NADP	J. KRAUT	10/88	1H8S	HEMOGLOBIN S (HUMAN, SICKLE CELL)	E. PADLAN, W. LOVE	6/82
1DHE	DIHYDROFLAVATE REDUCTASE (HUMAN) /FOLATE	J. DAVIES, J. KRAUT	10/89	1COH	HEMOGLOBIN (ALPHA-FERROUS, BETA-COBALTOUS) B	L. LUIST	1/89
2DHE	DIHYDROFLAVATE REDUCTASE (HUMAN) /FOLATE	J. DAVIES, J. KRAUT	10/89	1SDH	HEMOGLOBIN (SCAPHARCA, DIMERIC, CO)	ROYER, HENDRICKSON, CHIANCONI	10/89
1A8A	DNA (A, 5'-D-IDO-CCG-3')	B. CONNER, R. DICKERSON	6/82	2SDH	HEMOGLOBIN (SCAPHARCA, DIMERIC, DEOXY)	ROYER, HENDRICKSON, CHIANCONI	1/91
2A8A	DNA (A, GGGGGCC, SYNTHETIC)	M. MCCALL, T. BROWN, O. KENNARD	4/88	21EB	HEMOGLOBIN (CYANO, MET, SEA LAMPREY)	HONZATKO, HENDRICKSON, LOVE	8/85
3A8A	DNA (A, GGGATCCC, SYNTHETIC)	U. HEINEMANN, H. LAUBLE	7/88	2YH8	HEXOKINASE (YEAST FORM B11)	W. BENNETT JR., T. STEITZ	12/80
9D8A	DNA (A, GCGGGCC, SYNTHETIC)	U. HEINEMANN	7/87	1HKG	HEXOKINASE A - GLUCOSE COMPLEX (YEAST)	J. KRAUT	4/75
1B8A	DNA (B, CCGGAATTCGG, SYNTHETIC, 290 K)	H. DREW, R. DICKERSON	1/81	1HIP	HIGH POTENTIAL IRON PROTEIN	CLORE, GROENBORN ET AL.	1/90
2B8A	DNA (B, CCGGAATTCGG, SYNTHETIC, 16 K)	H. DREW, R. DICKERSON	11/81	5HIR	HIRUDIN (NMR, MIN AVERAGED STRUCTURE)	CLORE, GROENBORN ET AL.	12/88
3B8A	DNA (B, 9-BR-CGGAATTCGG, SYNTH, 20 DEG C)	KOPKA, FRATINI, DICKERSON	2/82	2HIR	HIRUDIN (NMR, 32 STRUCTURES)	CLORE, GROENBORN ET AL.	12/88
4B8A	DNA (B, 9-BR-CGGAATTCGG, SYNTH, 7 DEG C)	KOPKA, FRATINI, DICKERSON	2/82	6HIR	HIRUDIN (NMR, K47E, MIN AVERAGED STRUCTURE)	CLORE, GROENBORN ET AL.	1/90
5B8A	DNA (B, CCGGAATTCGG, SYNTHETIC) /CISPALITIN	WING, P. JURA, DREW, DICKERSON	8/83	4HIR	HIRUDIN (NMR, K47E, 32 STRUCTURES)	CLORE, GROENBORN ET AL.	12/88
6B8A	DNA (B, 9-BR-CGGAATTCGG, SYNTH) /NETROPSIN	HOLM, KOPKA, R. DICKERSON	8/84	1H1A	H1S-COMPATIBILITY ANTIGEN A2 (HUMAN)	D. WILEY ET AL.	10/87 A
7B8A	DNA (B, CCGGAATTCGG, ANISO TEMP FACTORS)	SOLBROOK, DICKERSON, KIM	1/85	2H1A	H1A-AM68	GARRETT, SAPER, WILEY	10/89
8B8A	DNA (CGCGAATTCGG, SYNTH) /HOECHST 33258	P. JURA, GRZESKOWIAK, DICKERSON	8/86	3H1A	H1A-A2	D. WILEY ET AL.	10/89
128A	DNA (2', CGCG, HIGH-SALT, SYNTHETIC)	H. DREW, R. DICKERSON	1/81	2HVP	HIV-1 PROTEASE	M. NAVIA, P. FITZGERALD ET AL.	4/89 A
1D8A	DNA (BR-CG-BR-CG-BR-CG, SYNTHETIC, 18 DEG C)	D. MORAS ET AL.	12/86	3HVP	HIV PROTEASE	A. WLODAMER, JASKOLSKI, MILLER	8/89
1D85	DNA (BR-CG-BR-CG-BR-CG, SYNTHETIC, 37 DEG C)	D. MORAS ET AL.	12/86	4HVP	HIV-1 PROTEASE/N-AC-TI (NLE-PSI-NLE) QR	A. WLODAMER ET AL.	11/89
1D86	DNA (CGATGGAG, SYNTHETIC)	MCCALL, BROWN, HUNTER, KENNRD	5/87	5HVP	HIV-1 PROTEASE/ACETYL-PESTATIN COMPLEX	P. FITZGERALD ET AL.	4/90
1D88	DNA (CGTACGAC, SYNTHETIC)	M. SUNDARALINGAM	5/87	1HYA	HYALURONIC ACID (NA SALT, 3-FOLD HELIX)	S. ARNOTT	11/77
2D8D	DNA (CGCAATTCGG)-HOECHST 33258 COMPLEX	M. COLL, A. RICH	8/88	2HYA	HYALURONIC ACID (NA SALT, 4-FOLD HELIX)	S. ARNOTT	5/78
1D8H	DNA (CGCAATTCGG)-HOECHST 33258 COMPLEX	A. WANG ET AL.	2/88	3HYA	HYALURONIC ACID (NA SALT, 2-FOLD HELIX)	S. ARNOTT	5/78
3D8B	DNA (CGCAATTCGG)	G. PRIVE, R. DICKERSON	3/88	4HYA	HYALURONIC ACID (CA SALT, 3-FOLD HELIX)	S. ARNOTT	5/78
1D16	DNA (CGCCGCTTTCGGCGG)	CHATTOPADHYAYA, DICKERSON	4/88	1PH8	P-HYDROXYBENZOCATE HYDROXYLASE COMPLEX	H. SCHREUDER, J. DRENTH	11/87
1D8C	DNA (CGCCGCG)	C. FREDERICK, A. WANG ET AL.	8/88	2PH8	P-HYDROXYBENZOCATE HYDROXYLASE/ADPR	HONZATKO, D. DAVIES	6/89
2D8C	DNA (CGCCGCG) /SPERMINE	A. WANG, A. RICH ET AL.	8/88	3HM	HYHEL-10 FAB/LYSOZYME COMPLEX	E. PADLAN, D. DAVIES	8/88
4D8B	DNA (CGCGAATTCGG)	C. FREDERICK, A. RICH ET AL.	8/88	1F19	FAB F19.9 (MOUSE)	R. POLJAK ET AL.	11/88
1D8E	DNA (CGGATATCGG) /NETROPSIN	M. COLL ET AL.	9/88	2FJ1	IGA FAB (KAPPA) J539	T. BHAT, E. PADLAN, D. DAVIES	8/89
1B01	DNA (CGAGCGCTGG)	U. HEINEMANN	8/89	1MCP	IGA FAB (KAPPA) MCP603	SATOM, COHEN, PADLAN, DAVIES	7/84
1D8S	DNA (GTCTACAC) /SPERMINE	M. SUNDARALINGAM	2/89	2MCP	IGA FAB (KAPPA) MCP603/PHOSPHOCHOLINE	E. PADLAN, G. COHEN, D. DAVIES	10/84
1D89	DNA (CGCATATATCGG)	C. YOON, R. DICKERSON	4/89	2FB4	IGG1 FAB (LAMBDA) KOL	M. MARQUART, R. HUBER	4/89
5A8A	DNA (GTACGTAC)	F. TAKUSAGAWA	8/89	3FAB	IMMUNOGLOBULIN FAB' NEW	R. POLJAK	9/81
1D8F	DNA (CGCGFG)	COLL, WANG, RICH ET AL.	12/88	4FAB	IMMUNOGLOBULIN 4-4-20 FAB/FLUORESCIN	A. EDMUNDSON ET AL.	4/89
1D10	DNA (CGATCG) /DAUNOMYCIN	C. FREDERICK ET AL.	10/89	2HFL	HYHEL-5 FAB/LYSOZYME COMPLEX	S. SHERIFF, F. POLJAK	8/87
1D11	DNA (CGTACG) /DAUNOMYCIN	WANG, UGHETTO, QUIGLEY, RICH	10/89	1FDL	*FAB (IGG D1.3) COMPLEX WITH LYSOZYME	T. FISCHMANN, R. POLJAK ET AL.	8/90
1D12	DNA (CGATCG) /ADRIAMYCIN	C. FREDERICK ET AL.	10/89	1MCM	IGG1 LIGHT CHAIN DIMER (MCG-WEIR HYBRID)	K. ELY, J. HERRON, A. EDMUNDSON	5/89
1D13	DNA (ACGCGCGCG)	C. FREDERICK ET AL.	10/89	3MCG	IMMUNOGLOBULIN B-J INTRACT MCG (ORTHORHOMBIC)	K. ELY, J. HERRON, A. EDMUNDSON	5/89
1D14	DNA (CGTACG) /11-DEOXYDAUNOMYCIN	L. WILLIAMS ET AL.	10/89	1REI	IMMUNOGLOBULIN B-J INTRACT MCG (TRIGONAL)	K. ELY, J. HERRON, A. EDMUNDSON	5/89
1B0N	DNA (CGCAAAATTCGG)	DIGARRETT, SANDERSON, STEITZ	4/89	2REI	IMMUNOGLOBULIN B-J INTRACT MCG (TRIGONAL)	O. EPP, R. HUBER	3/76
9B8A	DNA (CGCAATTCGG)	E. WESTHOFF	2/90	2R8E	IMMUNOGLOBULIN B-J FRAGMENT (V-INNER) RHE	FUREY, WANG, YOO, SAX	6/83
1D8M	DNA (CGCAATTCGG)	G. WEBSTER, S. NEIDLE ET AL.	6/90	1FC1	IMMUNOGLOBULIN FC (HUMAN)	J. DEISENHOFER	5/81
2D8E	DNA (CGCGAATTCGG) /BERENIL	D. BROWN, S. NEIDLE ET AL.	3/90	1EC2	IMMUNOGLOBULIN FC-FRAGMENT B COMPLEX	J. DEISENHOFER	5/81
2B0N	DNA (GTACGTAC)	C. COURSEILLE ET AL.	7/91	1PFC	IGG1 EPC FRAGMENT	L. M. AMEL	10/81
1D15	DNA (CGTACG) /4'-EPIDAURIAMYCIN/SPERMINE	WILLIAMS, EGLI, FREDRCK, RICH	7/90	2IG2	IGG1 (LAMBDA) KOL	M. MARQUART, R. HUBER	4/89
1D17	DNA (+CGT+ACG) /NOGALAMYCIN	EGLI, WILLIAMS, FREDRCK, RICH	7/90	21NS	INSULIN (BOVINE, 2-ZINC) DES-PHE B1	C. REYNOLDS, G. DODSON	5/82
1D18	DNA (CATGATG) (NMR)	J. BALEJA, B. SYKES	8/90	31NS	INSULIN (PORCINE, XRAY+NEUTRON)	A. WLODAMER, H. SAVAGE	10/88
1D19	DNA (GTACATG) (NMR)	J. BALEJA, B. SYKES	8/90	41NS	INSULIN (PORCINE, 2-ZINC)	G. DODSON ET AL.	7/89
1D20	DNA (TCTATCACC) (NMR)	J. BALEJA, B. SYKES	8/90	91NS	*INSULIN (PIG, CUBIC)	J. BADGER, G. DODSON	10/91
1D21	DNA (+CGT+ACG) /NOGALAMYCIN	WANG, LIAM, GAO, ROBINSON	8/90	111B	INTERLEUKIN 1B (HUMAN)	FINZEL, WATENPAUGH, EINSPPHAR2/89	
1D22	DNA (+CGT+ACG) /U58872	WANG, LIAM, GAO, ROBINSON	8/90	211B	INTERLEUKIN 1B (HUMAN)	PRIESTLE, SCHAER, GRUETTER	1/90
1D23	*DNA (CGATCATCG)	K. YANAGI, R. DICKERSON	3/90	411B	INTERLEUKIN 1B (HUMAN)	VEERAPANDIAN, POULOS ET AL.	3/90
5D8B	*DNA (CCAACCTGTCG)	G. PRIVE, R. DICKERSON	8/90	1118	INTERLEUKIN 8 (NMR, AVERAGED STRUCTURE)	G. CLORE, A. GROENBORN	3/90
1DPI	DNA POLYMERASE I (KLENOW FRAGMENT)	L. BEESE, D. OLLIS, T. STEITZ	8/87 A	2118	INTERLEUKIN 8 (NMR, 30 STRUCTURES)	G. CLORE, A. GROENBORN	3/90
2G85	GENE-5 DNA BINDING PROTEIN	G. BRAYER, A. MCPHERSON	1/86	31CD	ISOCITRATE DEHYDROGENASE	HURLEY, KOSHLAND, STROUD	12/89
1R1E	ECO RI ENDONUCLEASE/TCGCGAATTCGG	J. ROSENBERG ET AL.	9/90 A	41CD	ISOCITRATE DEHYDROGENASE (PHOSPHORYLATED)	HURLEY, KOSHLAND, STROUD	12/89
1H8E	ELASTASE (HUMAN NEUTROPHIL)	M. NAVIA ET AL.	4/89	51CD	*ISOCITRATE DEHYDROGENASE/MG ISOCITRATE	HURLEY, KOSHLAND, STROUD	5/90
1E8T	ELASTASE (PORCINE, TOEYI)	H. WATSON	5/76	61CD	*ISOCITRATE DEHYDROGENASE MUTANT (S113D)	SOHL, KOSHLAND, STROUD	5/90
2E8T	ELASTASE-TFAP COMPLEX (PORCINE)	L. SIEKER, D. HUGHES	3/86	71CD	*ISOCITRATE DEHYDROGENASE MUTANT (S113E)	HURLEY, KOSHLAND, STROUD	5/90
3E8T	ELASTASE (PORCINE)	E. HEXER ET AL.	9/87	81CD	*ISOCITRATE DEHYDROGENASE (S113E) /MG ISCRHURLEY	HURLEY, KOSHLAND, STROUD	5/90
7E8T	*ELASTASE	T. FRANCE, I. LI DE LA SIERRA	6/90	91CD	*ISOCITRATE DEHYDROGENASE/NAD+	HURLEY, KOSHLAND, STROUD	7/91
7E8T	*ELASTASE /TLA	T. FRANCE, I. LI DE LA SIERRA	6/90	2PKA	KALLIKREIN A (PORCINE)	W. BODE, Z. CHEN	5/84
1EPM	ELONGATION FACTOR TU (TRYP SIN-MODIFIED)	P. JURNAK	5/87 A	2KAI	KALLIKREIN A (PORCINE) /PTI (BOVINE)	W. BODE, Z. CHEN	5/84
1E1U	ELONGATION FACTOR TU (DOMAIN I) /GDP CHMLX	L. LA COUR ET AL.	1/88	1KCB	KDOP ALDOLASE	A. TULINSKY	8/78 A
2ENL	ENOLASE (YEAST)	L. LEBIODA, B. STEC	3/89 AR	1KE8	KERATIN SULFATE	S. ARNOTT	8/89
5E8K	ERABUTOXIN A (SEA SNAKE)	P. CORFIELD, T.-J. LEE, B. LOW	12/89	1A1C	ALPHA-LACTALBUMIN (BABOON)	A. CHURVY, STUART, PHILLIPS	2/90 A
3E8K	ERABUTOXIN B (SEA SNAKE)	B. LOW ET AL.	1/88	2B1M	BETA-LACTAMASE (B. LICHENIFORMIS)	P. MOERS, J. KNOK, O. DIBBERG	2/90 A
1E0D	ERYTHROCUORIN (REDUCED, DEOXY)	W. STEIGEMANN, E. WEBER	3/79	3B1M	BETA-LACTAMASE (S. AUREUS)	A. OHEBERG, J. MOULT	12/90 R
1E0C	ERYTHROCUORIN (CARBONMONOXY)	W. STEIGEMANN, E. WEBER	3/79	11D8	AP0-L-LDH (BACILLUS STEAROTHERMOPHILUS)	K. PIOTTEK, M. ROSSMANN	3/89
1E0A	ERYTHROCUORIN (AQUO, MET)	W. STEIGEMANN, E. WEBER	3/79	21D8	L-LDH/NAD/FRUCTOSE-1, 6-BI SPHOSPHATE	C. PIOTTEK, M. ROSSMANN	3/89
1E0N	ERYTHROCUORIN (CYANO, MET)	W. STEIGEMANN, E. WEBER	3/79	31D8	LACTATE DEHYDROGENASE/NAD/PYRUVATE (DCEG)	M. ROSSMANN	11/74
4FD1	FERRDOXIN (AZOTOBACTER VINELANDII)	C. D. STOUT	6/88	11DM	LACTATE DEHYDROGENASE/NAD/OKAMATE (DCEG)	J. GRIFFITH, M. ROSSMANN	11/87
1FD2	FERRDOXIN (A. VINELANDII) MUTANT (C20A)	C. D. STOUT	12/88	61DH	AP0-M4-LACTATE DEHYDROGENASE (DOGEI SH)	C. ABAD-ZAPATERO, M. ROSSMANN	11/87
2FD2	FERRDOXIN (A. VINELANDII) MUTANT (C24A)	C. D. STOUT	8/90	81DH	AP0-M4-LACTATE DEHYDROGENASE/CITRATE	C. ABAD-ZAPATERO, M. ROSSMANN	1/88
2FXB	FERRDOXIN (B. THERMOPROTEOLYTICUS)	FUKUYAMA, TSUKIHARA, KATSUBE	2/90 R	11LC	LACTATE DEHYDROGENASE (L. CASEI)	M. BUEHNER, H. HECHT, R. HENSEL	11/88
1FDX	FERRDOXIN (PEPTOCOCCUS AEROGENS)	E. ADMAN, L. SIEKER, L. JENSEN	9/76	21DX	LACTATE DEHYDROGENASE (MOUSE TESTES)	M. ROSSMANN	11/87
3FXC	FERRDOXIN (SPIRULINA PLATENSIS)	TSUKIHARA, KATSUBE, KAKUDO	12/81	51DH	LACTATE DEHYDROGENASE/S-LAC/NAD (PIG)	U. GRAU, M. ROSSMANN	10/80
1FX1	*FERRDOXIN I (APHANOTHECE SACRUM)	T. TSUKIHARA	8/90	21TN	PEA LECTIN	SUDDATH, PHILLIPS, EINSPPHAR	6/90
1FNR	FERRDOXIN REDUCTASE (SPINACH)	P. KARPLUS, DANIELS, HERRIOTT	6/90	1LH1	LEGHEMOGLOBIN (ACETATE MET)	VAINSHTEIN, HARUTYUNYAN	4/82
2FNR	FERRDOXIN REDUCTASE/2'-PHOSHO-5'-AMP	P. KARPLUS, DANIELS, HERRIOTT	6/90	2LH1	LEGHEMOGLOBIN (ACETATE MET)	VAINSHTEIN, HARUTYUNYAN	4/82
1FKF	FK506 BINDING PROTEIN/FK506 (HUMAN)	G. VAN DUYN ET AL.	5/91	1LH2	LEGHEMOGLOBIN (AQUO MET)	VAINSHTEIN, HARUTYUNYAN	4/82
1FCB	FLAVOXYCHROME B2 (YEAST)	F. S. MATHEWS, Z.-X. XIA	1/90	2LH2	LEGHEMOGLOBIN (AQUO MET)	VAINSHTEIN, HARUTYUNYAN	4/82
3FXN	FLAVOXYCHROME (CLOSTRIDIUM MP, OXIDIZED)	M. LUDWIG	12				

1102	LYSOZYME (T4) MUTANT (T157A)	B. MATTHEWS ET AL.	2/88	2MB5	MYOGLOBIN	B. SCHOENBORN, X. CHENG	10/89
1103	LYSOZYME (T4) MUTANT (T157C)	B. MATTHEWS ET AL.	2/88	1MBC	MYOGLOBIN (SPERM WHALE, CARBONMONOXIDE, 260 K)	J. KURIYAMA, G. PETSKO	9/88
1104	LYSOZYME (T4) MUTANT (T157D)	B. MATTHEWS ET AL.	2/88	1M9W	MYOGLOBIN (SPERM WHALE) MUTANT (H0, D122N)	C. PHILLIPS	10/89
1105	LYSOZYME (T4) MUTANT (T157E)	B. MATTHEWS ET AL.	2/88	1MB1	*MYOGLOBIN (SPERM WHALE)/IMIDAZOLE	M. BOLOGNESI ET AL.	6/90
1106	LYSOZYME (T4) MUTANT (T157F)	B. MATTHEWS ET AL.	2/88	2MR	MYOHEMERYTHRIN	S. SHERIFF, W. HENDRICKSON	4/87
1107	LYSOZYME (T4) MUTANT (T157G)	B. MATTHEWS ET AL.	2/88	1NDB	NEUROTOXIN B (LATICAUDA SEMIFASCIATA)	D. TERNER, G. PETSKO	8/80
1108	LYSOZYME (T4) MUTANT (T157H)	B. MATTHEWS ET AL.	2/88	1SH1	*NEUROTOXIN I (NMR, AVERAGED STRUCTURE)	R. FOGH, R. NORTON	5/90
1109	LYSOZYME (T4) MUTANT (T157I)	B. MATTHEWS ET AL.	2/88	2SH1	*NEUROTOXIN I (NMR, 8 STRUCTURES)	R. FOGH, R. NORTON	5/90
1110	LYSOZYME (T4) MUTANT (T157J)	B. MATTHEWS ET AL.	2/88	1SN3	SCORPION NEUROTOXIN (VARIANT 3)	C. BUGG ET AL.	12/82
1111	LYSOZYME (T4) MUTANT (T157L)	B. MATTHEWS ET AL.	2/88	1O4D	ONCOMODULIN (RAT)	F. AHMED ET AL.	4/90
1112	LYSOZYME (T4) MUTANT (T157N)	B. MATTHEWS ET AL.	2/88	1OVO	OVOMUCOID THIRD DOMAIN (JAPANESE QUAIL)	E. PAPAMOKOS, R. HUBER	1/82
1113	LYSOZYME (T4) MUTANT (T157R)	B. MATTHEWS ET AL.	2/88	2OVO	OVOMUCOID THIRD DOMAIN (SILVER PHEASANT)	W. BODE, O. EPP	6/85
1114	LYSOZYME (T4) MUTANT (T157S)	B. MATTHEWS ET AL.	2/88	1XY1	DEAMINO-OXYTOCIN (WET FORM)	T. BLUNDELL ET AL.	5/87
1115	LYSOZYME (T4) MUTANT (T157V)	B. MATTHEWS ET AL.	2/88	1XY2	DEAMINO-OXYTOCIN (DRY FORM)	T. BLUNDELL ET AL.	5/87
1116	LYSOZYME (T4) MUTANT (G156D)	B. MATTHEWS ET AL.	2/88	2P21	C-H-RAS P21 PROTEIN (CATALYTIC DOMAIN)	S. -H. KIM	7/89 A
1117	LYSOZYME (T4) MUTANT (I3V)	B. MATTHEWS ET AL.	5/89	3P21	C-H-RAS P21 PROTEIN MUTANT (G12V)	S. -H. KIM	1/90 A
1118	LYSOZYME (T4) MUTANT (I3Y)	B. MATTHEWS ET AL.	5/89	1PPT	AVIAN PANCREATIC POLYPEPTIDE	T. BLUNDELL	1/81
1119	LYSOZYME (T4) MUTANT (S38D)	B. MATTHEWS ET AL.	5/89	3DPA	*PAP D	A. HOLMGREN, C. -I. BRANDEN	10/91
1120	LYSOZYME (T4) MUTANT (M144D)	B. MATTHEWS ET AL.	5/89	1PAD	PAPAIN (ACE-ALA-ALA-PHE-ALA, CYS-25)	J. DRENGTH	11/76
1121	LYSOZYME (T4) MUTANT (M55G)	B. MATTHEWS ET AL.	5/89	2PAD	PAPAIN (CYS DERIV OF CYS-25)	J. DRENGTH	11/76
1122	LYSOZYME (T4) MUTANT (R224C)	B. MATTHEWS ET AL.	5/89	5PAD	PAPAIN (KIDNEY OF CYS 25)	J. KAMHUIS, J. DRENGTH	3/86
1123	LYSOZYME (T4) MUTANT (G77A)	B. MATTHEWS ET AL.	5/89	4PAD	PAPAIN (TOS-LYS, CYS-25)	J. DRENGTH	11/76
1124	LYSOZYME (T4) MUTANT (A82P)	B. MATTHEWS ET AL.	5/89	5PAD	PAPAIN (ZKOKY-GLY-PHE-GLY, CYS-25)	J. DRENGTH	11/76
1125	LYSOZYME (T4) MUTANT (P86A)	B. MATTHEWS ET AL.	5/89	6PAD	PAPAIN (ZKOKY-PHE-ALA, CYS-25)	J. DRENGTH	11/76
1126	LYSOZYME (T4) MUTANT (P86C)	B. MATTHEWS ET AL.	5/89	1PPD	PAPAIN D	J. JANSONIUS	10/84
1127	LYSOZYME (T4) MUTANT (P86D)	B. MATTHEWS ET AL.	5/89	5PEP	PEPSIN (PORCINE)	T. BLUNDELL ET AL.	5/90 R
1128	LYSOZYME (T4) MUTANT (P86G)	B. MATTHEWS ET AL.	5/89	3PEP	PEPSIN (PORCINE)	C. ABAD-ZAPATERO, J. ERICKSON	10/89
1129	LYSOZYME (T4) MUTANT (P86H)	B. MATTHEWS ET AL.	5/89	4PEP	PEPSIN (PORCINE)	ANDREVA, FEDOROV, JAMES	12/89
1130	LYSOZYME (T4) MUTANT (P86L)	B. MATTHEWS ET AL.	5/89	1PSG	PEPSINOGEN (PORCINE)	J. HARTSUCK, S. REMINGTON	10/88
1131	LYSOZYME (T4) MUTANT (P86R)	B. MATTHEWS ET AL.	5/89	1PHS	PHASEOLIN (FRENCH BEAN)	M. LAWRENCE ET AL.	3/90
1132	LYSOZYME (T4) MUTANT (P86S)	B. MATTHEWS ET AL.	5/89	1PEK	PHOSPHOFRUCTOKINASE (E. COLI) -P6P-ADP/ME	Y. SHIRAKIHARA, P. EVANS	1/88
1133	LYSOZYME (T4) MUTANT (V131A)	B. MATTHEWS ET AL.	5/89	2PEK	PHOSPHOFRUCTOKINASE (E. COLI)	W. RYPIEWSKI, P. EVANS	1/88
1134	LYSOZYME (T4) MUTANT (R96H)	B. MATTHEWS ET AL.	5/89	3PEK	PHOSPHOFRUCTOKINASE (B. STEAROTHERMOPHILIS)	P. EVANS, P. HUDSON	1/88
1135	LYSOZYME (T4) MUTANT (C54T, C97A, I9C, L164C)	B. MATTHEWS ET AL.	10/89	4PEK	PHOSPHOFRUCTOKINASE (B. ST.) 7-STATE	P. EVANS, P. HUDSON	1/88
1136	*LYSOZYME (T4) MUTANT (E128A, V131A, N132A)	X. ZHANG, W. BAASE, B. MATTHEWS	12/90	5PEK	PHOSPHOFRUCTOKINASE (B. ST.) 7-STATE	EVANS, FARRANTS, LAWRENCE	1/88 A
1137	*LYSOZYME (T4) MUTANT (K115E)	S. DAOPIN, B. MATTHEWS	1/91	3PKG	PHOSPHOGLYCERATE KINASE (YEAST)	H. WATSON	7/82
1138	*LYSOZYME (T4) MUTANT (Q123E)	S. DAOPIN, B. MATTHEWS	1/91	2PKG	PHOSPHOGLYCERATE KINASE (HORSE)	P. EVANS, C. BLAKE	9/76 B
1139	*LYSOZYME (T4) MUTANT (N144E, C54T, C97A)	S. DAOPIN, B. MATTHEWS	1/91	3PKM	PHOSPHOGLYCERATE MUTASE	H. WATSON	4/82
1140	*LYSOZYME (T4) MUTANT (N144E, C54T, C97A)	S. DAOPIN, B. MATTHEWS	1/91	1BP2	PHOSPHOLIPASE A2 (BOVINE)	B. DIJKSTRA, J. DRENGTH	4/81
1141	*LYSOZYME (T4) MUTANT (K63H, A112D, C54T, C97A)	S. DAOPIN, B. MATTHEWS	1/91	2BP2	PHOSPHOLIPASE A2 (BOVINE)	B. DIJKSTRA, M. HOL, J. DRENGTH	6/81
1142	*LYSOZYME (T4) MUTANT (K16E)	S. DAOPIN, B. MATTHEWS	1/91	3BP2	PHOSPHOLIPASE A2 (BOVINE) TRANSAMINATED	B. DIJKSTRA, J. DRENGTH	6/83
1143	*LYSOZYME (T4) MUTANT (K16E)	S. DAOPIN, B. MATTHEWS	1/91	4BP2	*PHOSPHOLIPASE A2 (BOVINE)	DUPONT PROTEIN CRYSTALLGRPY	9/90
1144	*LYSOZYME (T4) MUTANT (R119E)	S. DAOPIN, B. MATTHEWS	1/91	1P2P	PHOSPHOLIPASE A2 (PORCINE)	B. DIJKSTRA ET AL.	6/83
1145	*LYSOZYME (T4) MUTANT (K135E)	S. DAOPIN, B. MATTHEWS	1/91	3P2P	PHOSPHOLIPASE A2 (PORCINE) MUTANT	B. DIJKSTRA ET AL.	11/89
1146	*LYSOZYME (T4) MUTANT (K147E)	S. DAOPIN, B. MATTHEWS	1/91	5P2P	*PHOSPHOLIPASE A2 (PORCINE) MUTANT COMPLEX	B. DIJKSTRA ET AL.	9/90
1147	*LYSOZYME (T4) MUTANT (R154E)	S. DAOPIN, B. MATTHEWS	1/91	1PP2	PHOSPHOLIPASE A2 (CA-FREE, RATTLESNAKE)	S. BRUNIE, P. SIEGIER	3/86
1148	*LYSOZYME (T4) MUTANT (A98V)	S. DAOPIN, B. MATTHEWS	1/91	1PHY	PHOTOCYTOXIC YELLOW PROTEIN	D. MCREE, J. TAINNER, E. GETZOFF	6/89
1149	*LYSOZYME (T4) MUTANT (A98V, T152S)	S. DAOPIN, B. MATTHEWS	1/91	1PRC	PHOTOSYNTHETIC REACTION CENTER	J. DEISENHOFER ET AL.	2/88
1150	*LYSOZYME (T4) MUTANT (A98V, V149C, T152S)	S. DAOPIN, B. MATTHEWS	1/91	1PCY	PLASTOCYANIN (POPLAR, CU2+)	J. GUSS, H. FREEMAN	8/80
1151	*LYSOZYME (T4) MUTANT (A98V, V149I, T152S)	S. DAOPIN, B. MATTHEWS	1/91	2PCY	PLASTOCYANIN (POPLAR, APO)	GARRETT, GUSS, FREEMAN	11/83
1152	*LYSOZYME (T4) MUTANT (T152S)	S. DAOPIN, B. MATTHEWS	1/91	3PCY	PLASTOCYANIN (POPLAR, HG2+ SUBSTITUTED)	CHURCH, GUSS, POTTER, FREEMAN	2/85
1153	*LYSOZYME (T4) MUTANT (V149C)	S. DAOPIN, B. MATTHEWS	1/91	4PCY	PLASTOCYANIN (CROSS-LINKED, CU1+, PH 7.8)	J. M. GUSS	9/86
1154	*LYSOZYME (T4) MUTANT (C54T, C97A, M102K)	S. DAOPIN, B. MATTHEWS	1/91	5PCY	PLASTOCYANIN (POPLAR, CU1+, PH 7.0)	J. M. GUSS	9/86
1155	*LYSOZYME (T4) MUTANT (C54T, D92N, C97A)	H. NICHOLSON, B. MATTHEWS	5/91	6PCY	PLASTOCYANIN (POPLAR, CU1+, PH 3.8)	J. M. GUSS	9/86
1156	*LYSOZYME (T4) MUTANT (K160P)	H. NICHOLSON, B. MATTHEWS	5/91	7PCY	PLASTOCYANIN (GENTIANOPHYLLA, CU2+)	COLLIER, GUSS, FREEMAN	9/89
1157	*LYSOZYME (T4) MUTANT (N114D)	H. NICHOLSON, B. MATTHEWS	5/91	2PAB	PREALBUMIN (HUMAN, PLASMA)	S. OATLEY, C. BLAKE	4/76
1158	*LYSOZYME (T4) MUTANT (P143A)	H. NICHOLSON, B. MATTHEWS	5/91	2SCA	PROTEINASE A (STREPTOMYCES GRISEUS)	M. JAMES, A. SIELECKI	1/83
1159	*LYSOZYME (T4) MUTANT (C54T, C97A, T109N)	H. NICHOLSON, B. MATTHEWS	5/91	3SCA	*PROTEINASE A (STREPTOMYCES GRISEUS)/INHIBIT	A. SIELECKI, M. JAMES	5/90
1160	*LYSOZYME (T4) MUTANT (G113A)	H. NICHOLSON, B. MATTHEWS	5/91	4SCA	*PROTEINASE A (STREPTOMYCES GRISEUS)/INHIBIT	A. SIELECKI, M. JAMES	5/90
1161	*LYSOZYME (T4) MUTANT (S38N, C54T, C97A)	H. NICHOLSON, B. MATTHEWS	5/91	5SCA	*PROTEINASE A (STREPTOMYCES GRISEUS)/INHIBIT	A. SIELECKI, M. JAMES	5/90
1162	*LYSOZYME (T4) MUTANT (C54T, C97A, T109D)	H. NICHOLSON, B. MATTHEWS	5/91	1SGC	PROTEINASE A (STREP. GRISEUS)/CHYMOTATIN	L. DELBAERE, G. BRAYER	4/86
1163	*LYSOZYME (T4) MUTANT (C54T, C97A)	H. NICHOLSON, B. MATTHEWS	5/91	3SGB	PROTEINASE B (STREP. GRISEUS)/OMTKY3	A. SIELECKI ET AL.	1/83
1164	*LYSOZYME (T4) MUTANT (POLY ALA, 40-49)	D. HEINZ, B. MATTHEWS	9/91	4SGB	SGBP/PCI	GREENBLATT, RYAN, JAMES	9/89
1165	*LYSOZYME (T4) MUTANT (D47A, C54T, C97A)	D. HEINZ, B. MATTHEWS	9/91	2PRK	PROTEINASE K (TRITIRACHIUM ALBUM LIMBER)	C. BETZEL, G. PAL, W. SAENGER	11/87
1166	*LYSOZYME (T4) MUTANT (K43A, C54T, C97A)	D. HEINZ, B. MATTHEWS	9/91	3RP2	PROTEINASE II (RAT MAST CELL)	S. REMINGTON, B. MATTHEWS	9/84
1167	*LYSOZYME (T4) MUTANT (L46A, C54T, C97A)	D. HEINZ, B. MATTHEWS	9/91	1BUS	PROTEINASE INHIBITOR IIA (NMR, 5 STRUCTURES)	K. WUTHRICH ET AL.	5/90
1168	*LYSOZYME (T4) MUTANT (S44A, C54T, C97A)	D. HEINZ, B. MATTHEWS	9/91	2BUS	PROTEINASE INHIBITOR IIA (NMR, MIN AVRGD)	K. WUTHRICH ET AL.	5/90
1169	*LYSOZYME (T4) MUTANT (L133A)	X. -J. ZHANG, B. MATTHEWS	9/91	1PAZ	PSEUDOZURIN (ALCALIGENES FAECALIS)	PETRAOS, DAUTER, WILSON	6/88
1170	*LYSOZYME (T4) MUTANT (V131A, N132A)	X. -J. ZHANG, B. MATTHEWS	9/91	2PAZ	PSEUDOZURIN (ALCALIGENES FAECALIS)	E. ADMAN, K. PETRAOS	9/88
1171	*LYSOZYME (T4) MUTANT (E128A, V131A)	X. -J. ZHANG, B. MATTHEWS	9/91	1PYP	INORGANIC PYROPHOSPHATASE	E. HARUTYUNYAN ET AL.	2/83
1172	*LYSOZYME (T4) MUTANT (D127A, E128A)	X. -J. ZHANG, B. MATTHEWS	9/91	1PYK	PYRUVATE KINASE (CAT)	H. MUTHEAD	1/80 A
1173	*LYSOZYME (T4) MUTANT (I27A, I28A, I31A, I32A)	X. -J. ZHANG, B. MATTHEWS	9/91	1R69	RI-69 N-TERMINUS OF 434 REPRESSOR	S. HARRISON ET AL.	12/88
1174	*LYSOZYME (T4) MUTANT (I28A, I31A, I32A, I33A)	X. -J. ZHANG, B. MATTHEWS	9/91	2OR1	RI-69 (PHAGE 434)/OR1 COMPLEX	AGGARWAL, ANDERSON, HARRISON	9/89
1175	*LYSOZYME (T4) MUTANT (POLY ALA, 127-134)	X. -J. ZHANG, B. MATTHEWS	9/91	1LRP	LAMBDA REPRESSOR (BACTERIOPHAGE LAMBDA)	C. PABO, M. LEWIS	12/87 A
1176	*LYSOZYME (T4) MUTANT (D72P, C54T, C97A)	U. SAUER, B. MATTHEWS	9/91	1LRD	LAMBDA REPRESSOR/DNA	S. JORDAN, C. PABO	10/88
1177	*LYSOZYME (T4) MUTANT (E114D)	D. ROSE	1/89	1RBP	RETINOL-BINDING PROTEIN (HUMAN)	JONES, NEWCOMER, COWAN	4/90
1178	LYSOZYME (HEN EGG-WHITE, SET W2)	R. DIAMOND, D. PHILLIPS	2/75	1RSD	RIBONUCLEASE S	H. HOI	12/77
2172	LYSOZYME (HEN EGG-WHITE, SET RS5D)	R. DIAMOND, D. PHILLIPS	2/75	5RSD	RIBONUCLEASE A (X-RAY/NEUTRON)	H. WLODAWER	4/85
3172	LYSOZYME (HEN EGG-WHITE, SET RS6A)	R. DIAMOND, D. PHILLIPS	2/75	6RSD	RIBONUCLEASE A (URIDINE VANADATE COMPLEX)	A. WLODAWER	2/86
4172	LYSOZYME (HEN EGG-WHITE, SET RS9A)	R. DIAMOND, D. PHILLIPS	2/75	3RN3	RIBONUCLEASE A (BOVINE)	HOWLIN, MOSS, HARRIS, PALMER	10/91 R
5172	LYSOZYME (HEN EGG-WHITE, SET RS12A)	R. DIAMOND, D. PHILLIPS	2/75	7RS4	RIBONUCLEASE A (PHOSPHATE-FREE)	A. WLODAWER, G. GILLILAND	6/88
6172	LYSOZYME (HEN EGG-WHITE, SET RS16)	R. DIAMOND, D. PHILLIPS	2/75	8RS4	RIBONUCLEASE A/D	J. NACHMAN, A. WLODAWER	8/89
7172	LYSOZYME (HEN EGG-WHITE, TRICLINIC)	A. YONATH	5/77	9RS4	RIBONUCLEASE A/DU	J. NACHMAN, A. WLODAWER	8/89
1172	LYSOZYME (HEN EGG-WHITE, TRICLINIC)	HODSDON, BROWN, SIEKER, JENSEN	4/85	1RSM	LYS 7-DNP-LYS 41 RIBONUCLEASE A	B. PINZEL ET AL.	8/85
2172	LYSOZYME (TRICLINIC)	RAMANADHAM, SIEKER, JENSEN	9/89	1SRN	RIBONUCLEASE A (SEMI SYNTHETIC)	MARTIN, DOSCHER, EDWARDS	10/90
8172	LYSOZYME (HEN EGG-WHITE, INACTIVATED)	S. OATLEY	9/77	1RBB	RIBONUCLEASE B (GLYCOSYLATED)	WILLIAMS, GREENE, MCPHERSON	9/87
9172	LYSOZYME (HEN, NAM-NAG-NAM SUBSTRATE ONLY)	J. KELLY, M. JAMES	12/79	1RNH	RIBONUCLEASE H (E. COLI)	W. YANG, W. HENDRICKSON	ET AL. 7/90
12H	LYSOZYME (HEN EGG-WHITE, MONOCLINIC)	ARTYMIUK, BLAKE, RICE, WILSON	6/81 A	1RNS	RIBONUCLEASE S	H. WYCKOFF, F. RICHARDS	4/73
212H	LYSOZYME (HEN EGG-WHITE, ORTHORHOMBIC)	ARTYMIUK, BLAKE, RICE, WILSON	6/81 A	1RNT	RIBONUCLEASE T1/GUANYLIC ACID COMPLEX	W. SAENGER ET AL.	7/87
11YM	LYSOZYME (HEN EGG-WHITE, MONOCLINIC)	HOGLE, RAO, SUNDARALINGAM	7/82	2RNT	RIBONUCLEASE T1/GUANYL-2', 5'-GUANOSINE	U. HEINEMANN ET AL.	7/88
21YM	LYSOZYME (HEN EGG-WHITE, 1 ATM)	C. KUNDRAT, F. RICHARDS	5/87	3RNT	RIBONUCLEASE T1/VANADATE COMPLEX	W. SAENGER ET AL.	5/89
31YM	LYSOZYME (HEN EGG-WHITE, 1000 ATM)	C. KUNDRAT, F. RICHARDS	5/87	1RNA	RNA (UUA 6A)	A. DOCK-BREGGON	2/90
41YM	*LYSOZYME (HEN, LOW HUMIDITY, TETRAGONAL)	KODANDAPANI, SURESH, VIJAYAN	7/90	2RSP	ROUS SARCOMA VIRUS PROTEASE	WLODAWER, MILLER, JASKOLSKI	10/89
1121	LYSOZYME (HUMAN)	P. ARTYMIUK, C. BLAKE	10/84	5RUB	*RUBISCO (RHODOSPIRILLUM RUBRUM)	SCHNEIDER, LINDQVIST, LINDQVIST	5/90 R
1122	LYSOZYME (TURKEY EGG-WHITE)	R. BOTT, R. SARMA	9/81 A	1RUS	*RUBISCO (R. RUBRUM) /3-PHOSPHOGLYCERATE	T. LINDQVIST, G. SCHNEIDER	10/91
2122	LYSOZYME (TURKEY)	M. PARSONS, S. PHILLIPS	10/88	2RUS	*RUBISCO (RHODOSPIRILLUM RUBRUM) /CO2/MG2+	T. LINDQVIST, G. SCHNEIDER	10/91
10TF	17/112 DCS RIBOSOMAL PROTEIN (C-TERMINAL)	M. LEIJONHARCK, A. LILJAS	9/86	4RUB	RUBREDOXIN (C. PASTERURIANUM, UNCONST. REF)	WATERPAUGH, SIEKER, JENSEN	10/84
4NDH	HALALDE DEHYDROGENASE (PORCINE)	J. BIRKETT, L. BANASZAK	4/89	5RUB	RUBREDOXIN (C. PASTERURIANUM, NRG-KTAL REF)	K. WATERPAUGH	10/84
2MLT	HELIXITIN	D. EISENBERG ET AL.	10/89	1RUC	RUBREDOXIN (DESULFOVIBRIO GIGAS)	STENKAMP, SIEKER, JENSEN	1/90
1MHU	METALLOTHIONEIN (HUMAN, ALPHA DOMAIN) (NMR)	K. WUTHRICH ET AL.	5/90	7RUC	RUBREDOXIN (DESULFOVIBRIO GIGAS)	M. FREY, SIEKER, F. PAVAN	1/88
2MHU	METALLOTHIONEIN (HUMAN, BETA DOMAIN) (NMR)	K. WUTHRICH ET AL.	5/90	7RUC	RUBREDOXIN (DESULFOVIBRIO GIGAS)	E. ADMAN, L. SIEKER, L. JENSEN	5/90 R
1MRB	METALLOTHIONEIN (RABBIT, ALPHA DOMAIN) (NMR)	K. WUTHRICH ET AL.	5/90	2SNS	STAPHYLOCOCCAL NUCLEASE	M. LEGG, F. A. COTTON, E. HAZEN	5/82
2MRB	METAL						

1TEC	THERMIDYLASE/ELGIN-C COMPLEX	P. GROS, B. DIJKSTRA, W. HOL	5/89	2BPK	CAMP-DEPENDENT PROTEIN KINASE (IIB) MODEL	I. WEBER	3/89
3TLN	THERMOLYSIN (NATIVE)	B. MATTHEWS, M. HOLMES	2/82	1DN7	DNA (POLY (DC) - POLY (DC), SYNTHETIC) MODEL	M. MCCALL, T. BROWN, O. KENNARD	5/87
4TLN	THERMOLYSIN (L-LEU-NH0H)	B. MATTHEWS, M. HOLMES	2/82	22NA	DNA (Z-I, CCGCCG, SYNTHETIC) MODEL	A. RICH	2/81
5TLN	THERMOLYSIN (HONH-BZMAYLONYL-A-G-NTR0ANLD)	B. MATTHEWS, M. HOLMES	2/82	32NA	DNA (Z-II, CCGCCG, SYNTHETIC) MODEL	A. RICH	2/81
7TLN	THERMOLYSIN (CH2CO (N-OH) LEUCOCH3)	B. MATTHEWS, M. HOLMES	1/83	10NN	DNA (ATCGCGTAG...) MODEL	J. SUSHMAN, E. TRIFONOV	11/82
1TLP	THERMOLYSIN/PHOSPHORAMIDON INHIBIT COMPLEX	TRONRUD, MONZINGO, MATTHEWS	6/87	3KP	CATABOLITE GENE ACTIVATOR PTM/DNA MODEL	I. WEBER, T. STEITZ	3/86 A
17VN	THERMOLYSIN/CLT INHIBITOR COMPLEX	A. MONZINGO, B. MATTHEWS	6/87	1FLX	*FELIX (DESIGNED PROTEIN) MODEL 1	QUINN, RICHARDSON, RICHARDSON	7/90
21VN	THERMOLYSIN/PLN INHIBITOR COMPLEX	TRONRUD, MONZINGO, MATTHEWS	6/87	3FLX	*FELIX (DESIGNED PROTEIN) MODEL 2	QUINN, RICHARDSON, RICHARDSON	8/91
31VN	THERMOLYSIN/VW INHIBITOR COMPLEX	H. HOLDEN, B. MATTHEWS	6/87	1HF1	HANNUKA FACTOR MODEL	M. MURPHY, M. JAMES	12/89
41VN	THERMOLYSIN/ZEP1A INHIBITOR COMPLEX	B. MATTHEWS ET AL.	6/87	1DH1	*DELTA HEMOLYSIN (STAPH. AUREUS) MODEL 1	G. RAGHUNATHAN, H.R. GUY	7/90
51VN	THERMOLYSIN/ZGPLL INHIBITOR COMPLEX	B. MATTHEWS ET AL.	6/87	2DH1	*DELTA HEMOLYSIN (STAPH. AUREUS) MODEL 2	G. RAGHUNATHAN, H.R. GUY	7/90
61VN	THERMOLYSIN/ZGPOLL INHIBITOR COMPLEX	TRONRUD, HOLDEN, MATTHEWS	6/87	3DH1	*DELTA HEMOLYSIN (STAPH. AUREUS) MODEL 3	G. RAGHUNATHAN, H.R. GUY	7/90
1SRX	THIOREDOXIN (E. COLI, OXIDIZED)	B. -O. SODERBERG	5/76 A	1HVP	HIV-1 PROTEASE MODEL	I. WEBER	3/89
1TRX	THIOREDOXIN (REDUCED, NMR, 12 STRUCTURES)	P. WRIGHT ET AL.	1/90	1IGE	IMMUNOGLOBULIN E (FC FRAGMENT) MODEL	E. PADIAN, D. DAVIES	1/85
2TRX	*THIOREDOXIN (ESCHERICHIA COLI)	KATTI, LEMASTER, EKLUOD	3/90	1HPM	HYHEL-10 ANTIBODY, FV REGION MODEL	C. MAINHART	10/87
3TRX	*THYMIDYLATE SYNTHETASE (E. COLI)	J. FINER-MOORE	9/91	2HPM	HYHEL-10/LYSOZYME COMPLEX MODEL	C. MAINHART	10/87
2TSC	*THYMIDYLATE SYNTHETASE COMPLEX (E. COLI)	J. FINER-MOORE	7/91	1FVB	IMMUNOGLOBULIN FV B1912 MODEL	E. KABAT, E. PADIAN	4/88
1TPT	THYMIDINE PHOSPHORYLASE/THYMINE/SO4	S. SALICK ET AL.	6/90 A	2FVB	IMMUNOGLOBULIN FV B1912 MODEL	E. KABAT, E. PADIAN	4/88
1TON	THIONIN (RAT)	M. FUJINAGA, M. JAMES	5/90	1FVW	IMMUNOGLOBULIN FV W3129 MODEL	E. KABAT, E. PADIAN	4/88
1ATX	TOXIN ATX IA (SEA ANEMONE) (NMR, 8 STRCTRS)	K. MUTHURICH ET AL.	6/87	2FVW	IMMUNOGLOBULIN FV W3129 MODEL	E. KABAT, E. PADIAN	4/88
2TRA	TRANSFER RNA (YEAST ASP, FORM A)	E. WESTHOFF, P. DUMAS, D. MORAS	11/87	1CF1	INSULIN-LIKE GROWTH FACTOR I MODEL	BLUNDELL, BEDAKKAR, HUMBEL	12/82
3TRA	TRANSFER RNA (YEAST ASP, FORM B)	E. WESTHOFF, P. DUMAS, D. MORAS	11/87	1CF2	INSULIN-LIKE GROWTH FACTOR II MODEL	BLUNDELL, BEDAKKAR, HUMBEL	12/82
1TR1	TRANSFER RNA (YEAST, PHE, PB, PH 7.4)	DEWAN, BROWN, HINCERTY, KLUG	12/86	1MLP	MURIN LIPROTEIN MODEL	A. MCLACHLAN	6/78
1TR2	TRANSFER RNA (YEAST, PHE, PB, PH 5.0)	A. DEWAN, R. BROWN, A. KLUG	8/86	1RLX	RELAXIN (CONFORMATION A, UNREFINED) MODEL	A. EVANS, A. NORTH	3/78
4TR1	TRANSFER RNA (YEAST, PHE)	A. JACK, J. LADNER, A. KLUG	4/78	2RLX	RELAXIN (CONFORMATION B, UNREFINED) MODEL	A. EVANS, A. NORTH	3/78
6TR1	TRANSFER RNA (YEAST, PHE)	S. -H. KIM ET AL.	11/78	3RLX	RELAXIN (CONFORMATION A, REFINED) MODEL	A. EVANS, A. NORTH	3/78
1TRA	TRANSFER RNA (YEAST, PHE)	M. SUNDARALINGAM ET AL.	5/86	4RLX	RELAXIN (CONFORMATION B, REFINED) MODEL	A. EVANS, A. NORTH	3/78
4TRA	TRANSFER RNA (YEAST PHE, ORTHORHOMBIC)	E. WESTHOFF, P. DUMAS, D. MORAS	11/87	7TMC	THERMOLYSIN SUBSTRATE (TRANSITION) MODEL	B. MATTHEWS ET AL.	6/87
4TGF	*TRANSFORMING GROWTH FACTOR ALPHA (NMR, 3)	T. KLINE ET AL.	7/91	1TNC	TROPONIN (CA-BINDING COMPONENT) MODEL	R. KRETSINGER, C. D. BARRY	6/80 A
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, M. 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. LOLLIS, G. PETSKO	1/90				
2YPI	TRIOSE PHOSPHATE ISOMERASE (YEAST)	T. ALBER, E. LOLLIS, G. PETSKO	1/90				
2YWA	ALPHA TRYPTOPHANYLASE	D. PHILLIPS JR., C. COHEN	9/87 A				
4TNC	TRCOPIN C (CHICKEN)	B. SUNDARALINGAM	5/87				
5TNC	TRCOPIN 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	APC-TRP REPRESSOR	P. SIGLER ET AL.	12/87				
2PTN	TRYP SIN (ORTHORHOMBIC, 2.4M (NH4)2SO4)	J. WALTER, R. HUBER, W. BODE	10/81				
1TPO	TRYP SIN (ORTHORHOMBIC)	W. BODE, J. WALTER, R. HUBER	9/82				
1TLD	TRYP SIN (BOVINE, ORTHORHOMBIC)	BARTUNIK, SUMMERS, BARTSCH	7/89				
3PTN	TRYP SIN (TRIGONAL, 2.4M (NH4)2SO4)	J. WALTER, R. HUBER, W. BODE	10/81				
3PTB	TRYP SIN (BENZAMIDINE INHIBITED)	W. BODE, P. SCHMAGER, J. WALTER	9/82				
1TPP	TRYP SIN/P-AMIDINO-PHENYL-PYRUVATE	J. WALTER, W. BODE, R. HUBER	9/82				
4TPP	TRYP SIN (DIP INHIBITED)	CHAMBERS, STROUD, FINER-MOORE/488	9/87				
1NTP	MODIFIED BETA TRYP SIN (NEUTRON)	A. KOSSIAKOFF	9/87				
1TRM	TRYP SIN (RAT) MUTANT (D102N)	SPRANG, STANDING, FLETTERICK/1087	9/87				
2TRM	TRYP SIN (RAT) MUTANT (D102N)/BENZAMIDINE	R. STROUD, J. FINER-MOORE	4/88				
4PTI	TRYP SIN INHIBITOR (BOVINE, PANCREAS)	R. HUBER, J. DEISENHOFER	9/82				
5PTI	TRYP SIN INHIBITOR (BOVINE, XRAY+NEUTRON)	A. WLODAWER, R. HUBER	10/84				
6PTI	TRYP SIN INHIBITOR (FORM III, BOVINE)	A. WLODAWER	5/87				
7PTI	TRYP SIN INHIBITOR MUTANT (C30A, C51A)	EIGENBROT, RANDAL, KOSSIAKOFF	3/90				
8PTI	TRYP SIN INHIBITOR MUTANT (N35C)	D. CASTRO ET AL.	12/90				
2ETI	*TRYP SIN INHIBITOR ETTI II (YMR8)	B. CASTRO ET AL.	7/91				
2PTC	TRYP SIN/TRYP SIN INHIBITOR COMPLEX	R. HUBER, J. DEISENHOFER	9/82				
1TPA	TRYP SIN (ANHIDRO)/TRYP SIN INHIBITOR	HUBER, BODE, DEISENHOFER	5/82				
1SGT	TRYP SIN (STREPTOMYCES GRISUUS)	R. READ, M. JAMES	4/78				
1TGN	TRYP SIN (RAT) MUTANT (D102N)	A. KOSSIAKOFF, R. STROUD	9/87				
2TGA	TRYP SIN (RAT) MUTANT (D102N)/BENZAMIDINE	J. WALTER, R. HUBER, W. BODE	10/81				
1TGC	TRYP SIN (RAT) MUTANT (D102N)/BENZAMIDINE	J. WALTER, R. HUBER, W. BODE	10/81				
1TCT	TRYP SIN (RAT) MUTANT (D102N)/BENZAMIDINE	J. WALTER, R. HUBER, W. BODE	10/81				
2TCT	TRYP SIN (RAT) MUTANT (D102N)/BENZAMIDINE	J. WALTER, R. HUBER, W. BODE	10/81				
1TGB	TRYP SIN (RAT) MUTANT (D102N)/BENZAMIDINE	BODE, FEHLHAMMER, HUBER	3/79				
2TGD	TRYP SIN (RAT) MUTANT (D102N)/BENZAMIDINE	M. JONES, R. STROUD	3/86				
2TGP	TRYP SIN (RAT) MUTANT (D102N)/BENZAMIDINE	R. HUBER ET AL.	9/82				
3TPI	TRYP SIN (RAT) MUTANT (D102N)/BENZAMIDINE	R. HUBER ET AL.	9/82				
2TPI	TRYP SIN (RAT) MUTANT (D102N)/BENZAMIDINE	J. WALTER, R. HUBER, W. BODE	10/81				
4TPI	TRYP SIN (RAT) MUTANT (D102N)/BENZAMIDINE	W. BODE, J. WALTER	6/85				
1TGS	TRYP SIN (RAT) MUTANT (D102N)/BENZAMIDINE	R. HUBER ET AL.	9/82				
1MSY	TRYPTOPHAN SYNTHETASE (S. TYPHIMURIUM)	D. DAVIES ET AL.	9/88				
1TNE	TUMOR NECROSIS FACTOR	M. ECK, S. SPRANG	8/89				
2T51	TYROSYL TRNA SYNTHETASE	P. BRICK, T. BHAT, D. BLOW	6/89				
3T51	TYROSYL TRNA SYNTHETASE (TYROSINYL ADNYLITP)	P. BRICK, T. BHAT, D. BLOW	6/89				
4T51	TYROSYL TRNA SYNTHETASE MUTANT	P. BRICK, T. BHAT, D. BLOW	6/89				
1UBQ	UBIQUITIN (HUMAN)	VIJAY-KUMAR, BUGG, COCK	1/87				
1UTG	UTEROGLOBIN (RABBIT)	J. MORNON ET AL.	3/89				
2UTG	UTEROGLOBIN (RABBIT)	R. BALLY, J. DELETTRE	5/89				
1BMV	BEAN POO MOTTLE VIRUS	J. JOHNSON	10/89				
2MEV	MENGO VIRUS	M. ROSSMANN	4/89				
2P1V	POLIO VIRUS	D. FILMAN, J. HOGLE	10/89				
1R1A	RHINOVIRUS 1A	M. ROSSMANN ET AL.	12/88				
4R1V	RHINOVIRUS 14 (HUMAN)	E. ARNOLD, M. ROSSMANN	1/88				
2R1S	RHINOVIRUS/ANTIVIRAL AGENT 1S COMPLEX	M. ROSSMANN ET AL.	10/88				
2R1R	RHINOVIRUS/ANTIVIRAL AGENT 1R COMPLEX	M. ROSSMANN ET AL.	10/88				
2R1M	RHINOVIRUS/ANTIVIRAL AGENT 1M COMPLEX	M. ROSSMANN ET AL.	10/88				
2R1S3	RHINOVIRUS/ANTIVIRAL AGENT 3S COMPLEX	M. ROSSMANN ET AL.	10/88				
2R1O4	RHINOVIRUS/ANTIVIRAL AGENT 4 COMPLEX	M. ROSSMANN ET AL.	10/88				
2R1S5	RHINOVIRUS/ANTIVIRAL AGENT 5S COMPLEX	M. ROSSMANN ET AL.	10/88				
2R1O6	RHINOVIRUS/ANTIVIRAL AGENT 6 COMPLEX	M. ROSSMANN ET AL.	10/88				
2R1O7	RHINOVIRUS/ANTIVIRAL AGENT 7 COMPLEX	M. ROSSMANN ET AL.	10/88				
1R1O8	RHINOVIRUS/ANTIVIRAL AGENT 8 COMPLEX	M. ROSSMANN ET AL.	10/88				
1R1O9	RHINOVIRUS/ANTIVIRAL AGENT 9 COMPLEX	M. ROSSMANN ET AL.	10/88				
1R1M0	RHINOVIRUS MUTANT (I1)C199Y	M. ROSSMANN ET AL.	5/90				
2R1M1	RHINOVIRUS MUTANT (I1)V188L	M. ROSSMANN ET AL.	10/88				
2TVV	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				
2TVV	VIRUS (TOMATO BUSHY STUNT)	S. HARRISON	6/84				
1X1A	D-XULOSE ISOMERASE (ARTHROBACTER)	D. BLOW	2/88 A				
3X1A	XULOSE ISOMERASE (STREP. OLIVOCROMOGENES) G	F. FARBER, G. PETSKO	2/89				
4X1A	D-XULOSE ISOMERASE (ARTHROBACTER)/SORBITOLK	HENRICK, C. COLLYER, D. BLOW	6/89				
5X1A	D-XULOSE ISOMERASE (ARTHROBACTER)/XYLITOLK	HENRICK, C. COLLYER, D. BLOW	6/89				
6X1A	XULOSE ISOMERASE (STREPTOMYCES ALBUS)	Z. DAUTER, H. TERRY, K. WILSON	9/90				
7X1A	D-XULOSE ISOMERASE (S. RUBIGINOSUS)	H. CARRELL ET AL.	10/90 R				
8X1A	D-XULOSE ISOMERASE (S. RUBIGINOSUS)/D-XULOSEH	H. CARRELL ET AL.	10/90				
9X1A	D-XULOSE 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				
MODEL STRUCTURES							
1APD	APOLIPOPROTEIN D (HUMAN) MODEL	M. PEITSCH, M. BOGUSKI	12/89				
2CLN	CAIMODULIN/TRIFLUOPERAZINE MODEL	N. STRYNADKA, M. JAMES	2/88				
2CP1	CYTOTOXIC CELL PROTEASE I MODEL	M. MURPHY, M. JAMES	3/89				
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				

* NEW OR REPLACEMENT ENTRY SINCE JULY-1991 NEWSLETTER

STATUS CODES

BLANK STANDARD ENTRY AVAILABLE FOR DISTRIBUTION

A ALPHA CARBON ATOMS ONLY
B BACKBONE ONLY
R RECENT (1990-1991) REPLACEMENT FOR AN OUT-OF-DATE PARAMETER SET

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

15-OCT-1991

OEAP	ACID PROTEINASE (ENDOTHA PARASITICA)
OACD	ACYL-COA DEHYDROGENASE
OAKA	ADENYLATE KINASE-1, P5-DI (ADENOSINE-5'-)PENTAPHOSPHATE
OAKN	ADENYLATE KINASE
OALD	ALDOLASE A
OAFP	ANTIFREEZE POLYPEPTIDE (AFP) (HPLC-6)
OAF1	APOFERRITIN (HORSE)
OAAA	MITOCHONDRIAL ASPARTATE AMINOTRANSFERASE
OAA5	ASPARTATE CARBAMOYLTRANSFERASE-CARBAMOYL PHOSPHATE-SUCCINATE COMPLEX
ORNB	BARNASE (BACILLUS AMYLOLIQUEFACIENS)
OBGT	ALPHA-BUNGAROTOXIN
OCPT	CALCIUM-BINDING PARVALBUMIN (TOADFISH)/TERBIUM COMPLEX
OPAL	CALCIUM-BINDING PARVALBUMIN BETA (PIKE)
OCDI	CALOTROPIN DI (CALOTROPIS GIGANTEA)
OCDF	CARBOXYPEPTIDASE A (ALPHA) /GLYCYL-L-TYROSINE (-9 DEGREES C)
OCFN	CATABOLITE GENE ACTIVATOR PROTEIN 91
OZGP	D-LANYL-D-ALANINE PEPTIDASE (ZNA) G PEPTIDASE)
OCGB	GAMMA-CHYMOTRYPSIN/3-BENZYL-5-CHLORO-2-PYRONE
OCCL	GAMMA-CHYMOTRYPSIN - INACTIVATOR COMPLEX
OCOL	COLICIN A (C-TERMINAL DOMAIN)
OCN2	CONCAVALIN A (DEMETALLIZED)
OCYS	CYSTATIN
OCCL	CYTOCHROME C PEROXIDASE COMPOUND I
OC51	CYTOCHROME C555 (CHLOROBIDIUM THIOSULFATOPHILUM)
OCPF	CYTOCHROME P450CAM (SUBSTRATE-FREE)
ODNI	DEOXYRIBONUCLEASE I (DNASE I)
OC3A	DES-ARG77-C3A ANAPHYLATOXIN
ODRF	DIHYDROFOLATE REDUCTASE-FOLATE COMPLEX
ODF5	R67 DIHYDROFOLATE REDUCTASE (ESCHERICHIA COLI)
ODN2	DNA (CGCAATTCCG, SYNTHETIC)
ODN3	DNA (CGCGAATTAGCG, SYNTHETIC)
ODAC	DNA (CGGTACCG, SYNTHETIC) COMPLEX WITH TRIOSTIN
ODN1	DNA (GGGGTCCC, SYNTHETIC)
ODNB	DNA (GGTATCCC)
ODND	DNA (GGTATGCC)</

OCPC	C-PHYCOCYANIN (AGMENELIUM QUADRUPLICATUM)
OPFB	PLATELET FACTOR
OPF1	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)
OC5B	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	THERMITSASE
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 JUL-1991 NEWSLETTER

TABLE 5. PROTEIN DATA BANK, STRUCTURE FACTOR ENTRIES

15-OCT-1991

PART 1	- AVAILABLE ON NONST1TP
PART 2	- AVAILABLE ON NONST2TP
PART 3	- AVAILABLE ON NONST3TP
PART 4	- AVAILABLE ON NONST4TP
PART 5	- AVAILABLE ON NONST5TP
PART 6	- AVAILABLE ON NONST6TP
PART 7	- AVAILABLE ON NONST7TP
PART 8	- AVAILABLE ON NONST8TP

A COMPLETE LIST OF ENTRIES IN PARTS 1 - 8 CAN BE OBTAINED BY CHECKING THE APPROPRIATE BOX IN THE DOCUMENTATION SECTION OF THE ATTACHED ORDER FORM.

IDENT CODE	MOLECULE	DEPOSITOR	DATE/ CODE
PART 9 - AVAILABLE ON NONST9TP			
R1ALISF	*ALPHA-1 (SYNTHETIC PEPTIDE)	C. HILL ET AL.	7/90 SF
R3CROSE	*CRO/20 BASE PAIR DNA CONTAINING ORI	A. MONDRAGON, S. HARRISON	7/90 SF
R1D23SE	*DNA (CATCGATCG)	K. YANAGI, R. DICKERSON	8/90 SF
R5DNBSF	*DNA (CCACGCTGG)	G. DRIVE, R. DICKERSON	3/90 SF
R1XK1SF	*FERREDOXIN I (APHANOTHECE SACRUM)	T. TSUKIHARA	8/90 SF
R4GR1SF	*GLUTATHIONE REDUCTASE/RETRO-GSSG	G. SCHULZ, W. JAMES	3/90 SF
R9INNSF	*INSULIN (PIG, CUBIC)	J. BADGER, C. DODSON	11/91 SF
R4LYMSF	*LYSOZYME (HEN, LOW HUMIDITY, TETRAAGONAL)	V. JAYAN ET AL.	7/90 SF
R1MB1SF	*MYOGLOBIN (SPERM WHALE) /IMIDAZOLE	M. BOLOGNESI ET AL.	6/90 SF
R4BP2SF	*PROPHOSPHOLIPASE A2 (BOVINE)	DUPONT PROTEIN CRYSTLL	11/91 SF
R1TRCSF	*TRC2 FRAGMENT OF CALMODULIN	L. SJOLIN ET AL.	1/90 SF
R1RO9SF	*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 JUL-1991 NEWSLETTER

CODES
SF STRUCTURE FACTORS

TABLE 6. PROTEIN DATA BANK, NMR EXPERIMENTAL DATA ENTRIES

15-OCT-1991

IDENT CODE	MOLECULE	DEPOSITOR	DATE/ CODE
R2BDSMR	BDS-1 (SEA ANEMONE) (NMR)	CLORE, DRISCOLL, GRNNERN11/88 M	
R2CBMR	CELLULOBIODIOLASE 1 (NMR)	G. CLORE, A. GRONENBORN	5/89 M
R1CSAMR	*COMPLEMENT C5A (DES-ARG) (NMR)	M. WILLIAMSON, V. MADISON	6/90 M
R1D18MR	DNA (CATCGATCG) (NMR)	J. BALEJA, B. SYKES	8/90 M
R1D19MR	DNA (GTACGTCAC) (NMR)	J. BALEJA, B. SYKES	8/90 M
R1D20MR	DNA (TCTATCACCG) (NMR)	J. BALEJA, B. SYKES	8/90 M
R2HTRMR	HIRUDIN (NMR)	CLORE, GRONENBORN ET AL12/88 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
R1MRTRM	METALLOTHIONEIN (RAT) (NMR)	K. WUTHRICH ET AL.	5/90 M
R1SH1MR	*NEUROKOTKIN 1 (NMR)	R. FOGH, R. NORTON	5/90 M
R1BUSMR	PROTEINASE INHIBITOR IIA (NMR)	K. WUTHRICH ET AL.	5/90 M
R2A17MR	TENDINITIS (NMR)	K. WUTHRICH ET AL.	5/89 M
R1ATDMR	TOXIN ATX 1A (SEA ANEMONE) (NMR)	K. WUTHRICH ET AL.	5/90 M
R2ET1MR	*TRYPSIN INHIBITOR EETI II (NMR)	B. CASTRO ET AL.	1/90 M
R1ZNFMR	ZINC FINGER (NMR)	P. WRIGHT	9/89 M

* NEW OR REPLACEMENT ENTRY SINCE JUL-1991 NEWSLETTER

CODES
M NMR RESTRAINTS AND OTHER NMR EXPERIMENTAL DATA

TABLE 7. CORRECTIONS TO COORDINATE ENTRIES AND PROGRAMS

15-OCT-1991

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 REV DAT RECORDS.

REV DAT	9	15-OCT-91	155CH	1	JRNL
REV DAT	11	15-OCT-91	31DHJ	1	SOURCE
REV DAT	8	15-OCT-91	1HKGG	1	AUTHOR
REV DAT	7	15-OCT-91	1PPTF	3	SOURCE HETATM
REV DAT	8	15-OCT-91	1RN3G	3	OBSLTE

REV DAT	8	15-OCT-91	2YHNG	1	SOURCE
REV DAT	6	15-OCT-91	1VYPE	1	SOURCE
REV DAT	8	15-OCT-91	3PCKG	1	SOURCE
REV DAT	2	15-OCT-91	1EFWA	1	REMARK
REV DAT	3	15-OCT-91	1TRAB	1	AUTHOR
REV DAT	3	15-OCT-91	2CYPB	1	SOURCE
REV DAT	3	15-OCT-91	2KAIB	1	COMPND
REV DAT	2	15-OCT-91	4RXNA	1	REV DAT
REV DAT	2	15-OCT-91	5RXNA	1	REV DAT
REV DAT	4	15-OCT-91	7ADHC	3	ATOM
REV DAT	2	15-OCT-91	1APKA	1	COMPND REV DAT
REV DAT	2	15-OCT-91	1BPKA	1	COMPND REV DAT
REV DAT	4	15-OCT-91	1CBPC	1	REMARK
REV DAT	5	15-OCT-91	1ETUD	1	REMARK
REV DAT	2	15-OCT-91	1L35A	1	JRNL
REV DAT	2	15-OCT-91	2APKA	1	REV DAT
REV DAT	2	15-OCT-91	2BPKA	1	REV DAT
REV DAT	3	15-OCT-91	2RSPB	1	SEGRES
REV DAT	3	15-OCT-91	2RUBB	3	OBSLTE
REV DAT	3	15-OCT-91	2XIAB	3	OBSLTE
REV DAT	2	15-OCT-91	1CMSA	1	REV DAT
REV DAT	2	15-OCT-91	1PHYA	1	REV DAT
REV DAT	2	15-OCT-91	1BMVA	1	REMARK
REV DAT	2	15-OCT-91	1D17A	1	JRNL
REV DAT	2	15-OCT-91	1DNFA	1	REMARK
REV DAT	2	15-OCT-91	1DNMA	1	JRNL
REV DAT	2	15-OCT-91	1ZMFA	3	COMPND HETATM
REV DAT	2	15-OCT-91	2ER0A	1	JRNL
REV DAT	2	15-OCT-91	2ER9A	1	JRNL
REV DAT	3	15-OCT-91	2NRBB	1	REMARK
REV DAT	2	15-OCT-91	8PTIA	1	REMARK
REV DAT	2	15-OCT-91	3ICDA	3	ATOM
REV DAT	2	15-OCT-91	4ICDA	3	ATOM
REV DAT	2	15-OCT-91	4ER4A	1	JRNL
REV DAT	3	15-OCT-91	1TRMB	1	REV DAT REMARK

THE FOLLOWING DATA SETS HAVE BEEN REPLACED

	OLD ENTRY	NEW ENTRY
OBSLTE	15-OCT-91 1RN3	3RN3
OBSLTE	15-OCT-91 2RUB	5RUB
OBSLTE	15-OCT-91 2XIA	7XIA

TABLE 8. COORDINATE AND STRUCTURE FACTOR ENTRIES IN PREPARATION

15-OCT-1991

IDENT CODE	MOLECULE	DEPOSITOR (S)	DATE/ STATUS
1ACE	*ACETYLCHOLINESTERASE (T. CALIFORNICA)	J. SUSSMAN, M. HAREL, I. SILMAN	10/91 P
2AA	ACID ALPHA-AMYLASE (ASPERGILLUS NIGER)	G. DODSON ET AL.	2/91 H
7ACN	*ACONITASE/ISOCITRATE	C. D. STOUT ET AL.	9/91 P
9ACN	*ACONITASE/ISOCITRATE	C. D. STOUT ET AL.	9/91 P
1ATN	ACTIN/OBOKYRINOLICINASE I	W. KABSCH ET AL.	3/91 P
1ACP	ACTYL CARBIER PROTEIN (NMR, 2 MODELS)	J. PRESTEGARD, Y. KIM	7/90 P
1AP5	ACYLDIPHOSPHATASE (NMR, 5 STRUCTURES)	V. SAUDEK ET AL.	2/91 P
1ADA	ADENOSINE DEAMINASE (MOUSE)	D. WILSON, F. QUIOCHO	4/91 P
2HUD	*ALCOHOL DEHYDROGENASE (HUMAN)	M. AMZEL, T. HURLEY ET AL.	9/91 P
1ALD	ALDOLASE A (HUMAN)	H. WATSON, S. GAMBLIN	5/91 P
2P07	ALPHA-LYTIC PROTEASE MUTANT (M(192)A)	R. BONE, D. AGARD	10/90 RP
1P11	ALPHA-LYTIC PROTEASE/PHOSPHONATE ESTER	R. BONE, D. AGARD	10/90 P
1P12	ALPHA-LYTIC PROTEASE/PHOSPHONATE ESTER	R. BONE, D. AGARD	10/90 P
1LPR	*ALPHA-LYTIC PROTSE MUTANT (M(192)A) /INHBT	R. BONE, D. AGARD	8/91 P
2LPR	*ALPHA-LYTIC PROTSE MUTANT (M(192)A) /INHBT	R. BONE, D. AGARD	8/91 P
3LPR	*ALPHA-LYTIC PROTSE MUTANT (M(192)A) /INHBT	R. BONE, D. AGARD	8/91 P
4LPR	*ALPHA-LYTIC PROTSE MUTANT (M(192)A) /INHBT	R. BONE, D. AGARD	8/91 P
5LPR	*ALPHA-LYTIC PROTSE MUTANT (M(213)A) /INHBT	F. UJISHIGE, R. BONE, D. AGARD	8/91 P
6LPR	*ALPHA-LYTIC PROTSE MUTANT (M(213)A) /INHBT	F. UJISHIGE, R. BONE, D. AGARD	8/91 P
7LPR	*ALPHA-LYTIC PROTSE MUTANT (M(213)A) /INHBT	F. UJISHIGE, R. BONE, D. AGARD	8/91 P
8LPR	*ALPHA-LYTIC PROTSE MUTANT (M(213)A) /INHBT	F. UJISHIGE, R. BONE, D. AGARD	8/91 P
9LPR	*ALPHA-LYTIC PROTSE MUTANT (M(213)A) /INHBT	F. UJISHIGE, R. BONE, D. AGARD	8/91 P
1ACH	ALPHA AMYLOPOTRYPSIN (HUMAN)	U. BAUMANN, R. HUBER ET AL.	11/90 P
1AP3	ADOLIPROTEIN III (LOCUST)	H. HOLLEN ET AL.	8/91 P
1LPE	*ADOLIPROTEIN E3 (LDL RECEPT-BINDING DMN)	C. WILSON, D. AGARD	8/91 P
1LEZ	*ADOLIPROTEIN E2 (LDL RECEPT-BINDING DMN)	C. WILSON, D. AGARD	8/91 P
1LE4	*ADOLIPROTEIN E4 (LDL RECEPT-BINDING DMN)	C. WILSON, D. AGARD	8/91 P
2ABP	ARABINOSE-BINDING PRTN (P254G) /L-ARABINOSYMERMERSCH	TESMER, QUIOCHO	9/90 N
3ABP	ARABINOSE-BINDING PRTN (P254G) /D-FUCOSE	VERMERSCH, TESMER, QUIOCHO	9/90 N
4ABP	ARABINOSE-BINDING PRTN (P254G) /D-GALACTOSE	VERMERSCH, TESMER, QUIOCHO	9/90 N
5ABP	ARABINOSE-BINDING PRTN/D-GALACTOSE	F. QUIOCHO, D. WILSON, N. VYAS	12/90 H
3AAT	ASPARTATE AMINOTRANSFERASE MUTANT R386F	DANI SHEFSKY, RINGE, PETSKO	12/90 P
1AT2	ASPARTATE CARBAMOYLTRANSFERASE (B. SUBTILIS)	STEVENS, REINISCH, LIPSICOMB	6/91 P
2AZU	AZURIN (P. AERUGINOSA) MUTANT (H35L)	NAR, MESSERSCHMIDT, HUBER	1/91 H
3AZU	AZURIN (P. AERUGINOSA) MUTANT (H35Q)	NAR, MESSERSCHMIDT, 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. AMYLOLQUEFACIENS)	J. JANIN, S. BAUDET	3/91 P
1PAL	CA-BINDING PARVALBUMIN (PIKE) /CA2.NH4	J. DECICRQ ET AL.	11/90 P
2PAL	CA-BINDING PARVALBUMIN (PIKE) /MN2.MN	J. DECICRQ ET AL.	11/90 P
3PAL	CA-BINDING PARVALBUMIN (PIKE) /CA2.MG	J. DECICRQ ET AL.	11/90 P
4PAL	CA-BINDING PARVALBUMIN (PIKE) /CAMG.MG	J. DECICRQ ET AL.	11/90 P
2SCP	*SARCOPHAGIC CALCIUM-BINDING PROTEIN	W. COOK, S. VIJAY-KUMAR	8/91 P
4ICB	*CALBINDIN D9K (BOVINE)	L. A. SVENSSON	8/91 P
4C1M	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 (V143G)	R. ALEXANDER, D. CHRISTIANSON	6/91 P
6CA2	CARBONIC ANHYDRASE II MUTANT (V143P)	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. LIPSICOMB	5/91 P
8CPA	CARBOXYPEPTIDASE A/ZAGP (O)F	H. KIM, W. LIPSICOMB	5/91 P
4CIA	CHLORAMPHENICOL ACETYLTRANSFERASE (LI 60F) A	LESLIE	10/90 N
1COK	CHOLESTEROL OXIDASE	A. VRIELINK, L. LLOYD, D. BLOW	2/91 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
8GCH	GAMMA-CHYMOTRYPSIN (-183 C) (BOVINE)	M. HAREL, I. SILMAN, J. SUSSMAN	3/91 P
3C12	*CHYMOTRYPSIN INHIBITOR 2 (NMR, 20 STRCTS)F	F. POULSEN	9/91 P
1LCD	*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
1CLG	*COLLAGEN (3 CHAINS OF 12 (G-P-P))	J. CHEN	9/91 P
2CLG	*COLLAGEN (3 CHAINS OF 12 (G-P-HYDROXYPRO))	J. CHEN	9/91 P
3CLG	*COLLAGEN (15 CHAINS OF 12 (G-P-P))	J. CHEN	9/91 P

Table with 4 columns: Entry ID, Description, Author, and PDB ID. The table lists numerous protein entries including enzymes like ribonuclease, superoxide dismutase, and various kinases, as well as structural proteins and inhibitors. Each entry includes the author(s) and the corresponding PDB ID.

* NEW OR REPLACEMENT ENTRY SINCE JUL-1991 NEWSLETTER

STATUS CODES

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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
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- Current DATAPRTP Directory
- Sources of Visual Aids for Macromolecular Structure (February 1990)
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