

The current PDB release includes 25 new atomic coordinate entries (see Table 5) and 47 new bibliographic entries (no coordinates, see Table 7). Altogether, 459 atomic coordinate entries and 126 bibliographic entries are now available; DATAPRTP has grown to 85 Mbytes in size.

Atomic coordinate and structure factor entries in preparation for future release are listed in Table 6. Please note that the PDB will withhold entries from release for a limited time period if this is specified by depositors. Entries being held for delayed release are now flagged with "H" in the table.

A database of bibliographic references and crystallographic coordinates for oligonucleotides with two or more bases (Nucleic Acid Database - NDB) developed by F.J. Manion, J.A. Hardiman, R.K. Stodola, W.P. Wood and H.M. Berman now is available on PDBPGMTP (see Table 3). The interactive query program NDB is set up to run on VAX computers under VMS. Also included in the new PDBPGMTP is the DNA helix analysis program library, NEWHELIX, from R. E. Dickerson. The library contains the following programs: modified version of MODHELIX by D. Rabinovich, K. Reich and Z. Shakked, HELIX by J. M. Rosenberg and BROLL, CYLIN and DTORAN by R. E. Dickerson.

The PDB Brookhaven order form, included as the last two pages of this newsletter, is newly revised. Please note that prices are increased slightly for the new fiscal year which began on October 1. We are now able to distribute DATAPRTP on 1/4" IRIS TAR tapes (two 60 Mbyte capacity cartridges). To order IRIS cartridges, just check the appropriate box on page 1 of the order form.

We are pleased to announce that the National Center for Supercomputer Applications at the University of Illinois at Urbana-Champaign has become an on-line DATAPRTP distributor. Also, the NIH Prophet system has resumed providing on-line service. Prophet's workstation software includes tools for indexing, displaying, and analyzing 3-dimensional structures from data files in PDB format. On-line access to DATAPRTP is now available through seven centers as listed below:

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

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

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

contact Jan Noordik telephone 0031-080-613386 e-mail CAOS@HNYKUN52

EMBL, European Molecular Biology Laboratory, Heidelberg, FRG

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

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

contact Terrance Reno telephone 217-333-8641 e-mail 12550@NCSA.NCSA.UIUC.EDU

Pittsburgh Supercomputing Center

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

Prophet, BBN Systems and Technologies Corp., Cambridge MA

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

SEQNET, Daresbury Laboratory, Warrington, UK

contact User Interface Group telephone 0925 603351 e-mail UIG@DARESBUURY.AC.UK

The established PDB centers continue to provide their full range of services. Inquiries may be addressed as shown below. The order form on the last two pages of this newsletter may be used to order data from Brookhaven. It is possible to place a standing order for each quarterly DATAPRTP release; anyone interested in placing such a standing order should contact Frances Bernstein. Please note that the order form should be used only for Brookhaven orders; users in Japan or Australia should contact their centers for detailed information.

Area	Address of Center	BITNET (BNL Only)	Name	Phone
Worldwide except Australia and Japan	Protein Data Bank	PDB@BNLCHM	Inquiries	516-282-4382
	Chemistry Department	ABOLA@BNLCHM	E. E. Abola	516-282-4383
	Brookhaven National Laboratory	BERNSTEIN@BNLCHM	F. C. Bernstein	516-282-4382
	Upton, NY 11973	KOETZLE@BNLCHM	P. A. Esposito	516-282-4382
	USA	WENG@BNLCHM	T. F. Koetzle	516-282-4384
			J. C. Weng	516-282-3629
Australia	CSIRO Division of Biotechnology 343 Royal Parade, Parkville Victoria 3052, Australia		P. Davis	03-342-4326
Japan	Institute for Protein Research Osaka University Yamadaoka, 3-2 Suita, Osaka 565, Japan		Y. Katsube	(06) 877-5111 ext. 3912

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

		26-OCT-89	
CODE	ITEM	AVAILABILITY	USA JAP AUS
DATAPRT	ALL CURRENT COORDINATE ENTRIES (TABLE 5), COMPUTER PROGRAMS (TABLE 3, PART A), ALL CURRENT BIBLIOGRAPHIC ENTRIES (TABLE 7 - NO COORDINATES IN BIB ENTRIES)	X	X X
YEARS87P	NEW OR REVISED COORDINATE ENTRIES FOR 1988	X	
PART89PT	NEW OR REVISED COORDINATE ENTRIES FOR 1989 (TO DATE)	X	
PDBPGMPT	COMPUTER PROGRAMS AND MISCELLANEOUS FILES (TABLE 3, PARTS A AND B)	X	
NONST1TP	STRUCTURE FACTOR HOLDINGS (TABLE 4 - PART 1)	X	X
NONST2TP	STRUCTURE FACTOR HOLDINGS (TABLE 4 - PART 2)	X	X
NONST3TP	STRUCTURE FACTOR HOLDINGS (TABLE 4 - PART 3)	X	X
NONST4TP	STRUCTURE FACTOR HOLDINGS (TABLE 4 - PART 4)	X	X
NONST5TP	STRUCTURE FACTOR HOLDINGS (TABLE 4 - PART 5)	X	X
NONST6TP	STRUCTURE FACTOR HOLDINGS (TABLE 4 - PART 6)	X	X
NONST7TP	STRUCTURE FACTOR HOLDINGS (TABLE 4 - PART 7)	X	X
BENDERPT	PARAMETERS FOR BENT-WIRE MODELS	X	
BLDKITPT	MODEL BUILDER'S KIT	PLEASE INQUIRE AT US CENTER	
CONECTPT	CONNECTIVITY SPECIFICATIONS FOR ALL ATOMS	X	
DGPLOTPT	DIAGONAL PLOTS (LINE PRINTER)	X	
DIDRDLPT	COMPLETE TORSION ANGLES	X	
DSTNCEPT	CONNECTIVITY SPECIFICATIONS WITH DISTANCES	X	
FISIPLPT	PHI/PSI PLOTS (LINE PRINTER)	X	
PHIPSITP	LISTS OF PHI/PSI/OMEGA VALUES	X	

* NEW OR REPLACEMENT ENTRY SINCE JUL-89 NEWSLETTER

TABLE 2. PROTEIN DATA BANK, INFORMATION AVAILABLE ON MICROFICHE

		26-OCT-89	
CODE	ITEM	AVAILABILITY	USA JAP AUS
DATAPRFI	ALL CURRENT COORDINATE ENTRIES (TABLE 5), COMPUTER PROGRAMS (TABLE 3, PART A), ALL CURRENT BIBLIOGRAPHIC ENTRIES (TABLE 7 - NO COORDINATES IN BIB ENTRIES)	X	X
YEARS87FI	NEW OR REVISED COORDINATE ENTRIES FOR 1988	X	
PART89FI	NEW OR REVISED COORDINATE ENTRIES FOR 1989 (TO DATE)	X	
CORR27FI	*LIST OF CORRECTIONS NO. 27 (JUL/89 - OCT/89)	X	X X
NONST1FI	STRUCTURE FACTOR HOLDINGS (TABLE 4 - PART 1)	X	X
NONST2FI	STRUCTURE FACTOR HOLDINGS (TABLE 4 - PART 2)	X	X
NONST3FI	STRUCTURE FACTOR HOLDINGS (TABLE 4 - PART 3)	X	X
NONST4FI	STRUCTURE FACTOR HOLDINGS (TABLE 4 - PART 4)	X	X
NONST5FI	STRUCTURE FACTOR HOLDINGS (TABLE 4 - PART 5)	X	X
NONST6FI	STRUCTURE FACTOR HOLDINGS (TABLE 4 - PART 6)	X	X
NONST7FI	STRUCTURE FACTOR HOLDINGS (TABLE 4 - PART 7)	X	X
BENDERFI	PARAMETERS FOR BENT-WIRE MODELS	X	
BLDKITFI	MODEL BUILDER'S KIT	PLEASE INQUIRE AT US CENTER	
CONECTFI	CONNECTIVITY SPECIFICATIONS FOR ALL ATOMS	X	
DGPLOTFI	DIAGONAL PLOTS (LINE PRINTER)	X	
DIDRDLFI	COMPLETE TORSION ANGLES	X	
DSTNCEFI	CONNECTIVITY SPECIFICATIONS WITH DISTANCES	X	
FISIPLFI	PHI/PSI PLOTS (LINE PRINTER)	X	
PHIPSIFI	LISTS OF PHI/PSI/OMEGA VALUES	X	

* NEW OR REPLACEMENT ENTRY SINCE JUL-89 NEWSLETTER

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

		26-OCT-89	
NAME	PURPOSE	AUTHOR(S)	REV DATE/SUPPORTED
PART A - AVAILABLE ON DATAPRT, DATAPRFI, PDBPGMPT			
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
CONECT	GENERATE FULL CONNECTIVITY	F.BERNSTEIN	7/89 YES
CONCTC	INTERMOLECULAR CONTACTS	L.ANDREWS	5/83 NO
DGPLOT	DIAGONAL PLOTS ON PRINTER	E.SMANSON, F.BERNSTEIN	1/83 YES
DIDRDL	COMPLETE TORSION ANGLES	E.ABOLA	3/80 YES
DRECTY	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.BEFU	4/89 NO
PHIPS	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.LEBLOD	1/82 NO
TORSRU	COMPLETE TORSION ANGLES	G.REEK	10/79 NO
TOTALS	VALIDATION OF MASTER RECORD	L.ANDREWS, F.BERNSTEIN	3/82 YES
PART B - AVAILABLE ON PDBPGMPT			
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
NEWHELIX	*DNA HELIX ANALYSIS	R.DICKERSON ET AL.	6/89 NO
TABLES	DISPLAY SPACE-GROUP SYMMETRY IN 3D	C.ABAD-ZAPATERO, T.O'DONNELL	12/87 NO

* NEW OR REPLACEMENT ENTRY SINCE JUL-89 NEWSLETTER

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

TABLE 4. PROTEIN DATA BANK, STRUCTURE FACTOR HOLDINGS

		26-OCT-89	
IDNT CODE	MOLECULE	DEPOSITOR	DATE/ CODE
PART 1 - AVAILABLE ON NONST1TP, NONST1FI			
R1ACTSF	ACTINININ	E.BAKER	7/77 SF
CHYMOP	ALPHA-CHYMOTRYPSIN (TOSYL)	D.BLOW	4/73 SF
RCARP04	CALCIUM-BINDING PARVALBUMIN	R.KRETSINGER	2/74 SF
RCARP05	CALCIUM-BINDING PARVALBUMIN	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
RCYCS501	CYTOCHROME C550	R.TIMKOVICH	4/76 SF
R1ZNASF	DNA (Z PRIME), CGCG, HIGH-SALT, SYNTHETIC	H.DREW, R.DICKERSON	1/81 SF
R1BNASF	DNA (B, CGCGAATTCGGC, SYNTHETIC, 290 K)	H.DREW, R.DICKERSON	1/81 SF
RGPD04	GLYCERALDEHYDE-3-P-DEHYDROGENASE (LOBSTR)	M.ROSSMANN	8/75 SF
R2BPSDF	ALFA-GLYCERALDEHYDE-3-P-DEHYDROGENASE	H.ROSSMANN	12/79 SF
R2HBSF	HEMOGLOBIN (HORSE, AQUG MET AND CO)	LADNER, HEIDNER, PERUTZ	6/80 SF
R1DRHSF	HEMOGLOBIN (HUMAN, FETAL, DEOXY)	J.FRIER	6/80 SF
RUMDHO2	HEMOGLOBIN (HUMAN, DEOXY)	M.PERUTZ, G.FERMI	5/75 SF

LAMPRY1	HEMOGLOBIN (LAMPREY)	HENDRICKSON, LOVE, KARLE	5/73 SF
RLOB06	APO-M4-LACTATE DEHYDROGENASE (DOGFI SH)	M.ROSSMANN	8/75 SF
RLOB07	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
RMETS5F1	MYOGLOBIN (SPERM WHALE, MET)	T.TAKANO	6/76 SF
RDEMT5F1	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, NONST2FI

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-1000-CCGG) SPACE GROUP P 43 21 2	B.CONNER, R.DICKERSON	6/82 SF
R1ANAP2	DNA (A, D-1000-CCGG) SPACE GROUP P 21	B.CONNER, R.DICKERSON	6/82 SF
R2BNASF	DNA (B, CGCGAATTCGGC, SYNTHETIC, 16 K)	H.DREW, R.DICKERSON	11/81 SF
R3BNASF	DNA (B, 9-BR-CGGCAATTCGGC, 20 DEG C)	KOPKA, FRATINI, DICKERSON	2/82 SF
R4BNASF	DNA (B, 9-BR-CGGCAATTCGGC, 7 DEG C)	KOPKA, FRATINI, DICKERSON	2/82 SF
R5BNASF	DNA (B, CGCGAATTCGGC, SYNTHETIC)/CISPLATIN	WING, P.JURA, DREW, DCKRSH	8/83 SF
R1GAASF	GLUTAMINASE-ASPARAGINASE (ACINETOBACTER)	H.AMCON	12/82 SF
R1GASF	GLUTAMINASE-ASPARAGINASE (PSEUDOMONAS 7A)	H.AMCON	12/82 SF
R1RMYSF	HEMERYTHRIN (MET)	STENKAMP, SIEKER, JENSEN	2/83 SF
R1RZSF	HEMERYTHRIN (AZIDO, MET)	STENKAMP, SIEKER, JENSEN	2/83 SF
R1RNSSF	INSULIN (BOVINE, 2-ZINC) DES-PHE B1	C.REYNOLDS, G.DODSON	5/82 SF
R1LEISF	LEGHEMOGLOBIN (ACETATE MET)	VAINSSTEIN, HARUTUNYAN	4/82 SF
R2LEISF	LEGHEMOGLOBIN (ACETATE MET)	VAINSSTEIN, HARUTUNYAN	4/82 SF
R1LE2SF	LEGHEMOGLOBIN (AQUO MET)	VAINSSTEIN, HARUTUNYAN	4/82 SF
R2LE2SF	LEGHEMOGLOBIN (AQUO MET)	VAINSSTEIN, HARUTUNYAN	4/82 SF
R1LE3SF	LEGHEMOGLOBIN (CYANO MET)	VAINSSTEIN, HARUTUNYAN	4/82 SF
R2LE3SF	LEGHEMOGLOBIN (CYANO MET)	VAINSSTEIN, HARUTUNYAN	4/82 SF
R1LE4SF	LEGHEMOGLOBIN (DEOXY)	VAINSSTEIN, HARUTUNYAN	4/82 SF
R2LE4SF	LEGHEMOGLOBIN (DEOXY)	VAINSSTEIN, HARUTUNYAN	4/82 SF
R1LE5SF	LEGHEMOGLOBIN (FLUORO MET)	VAINSSTEIN, HARUTUNYAN	4/82 SF
R2LE5SF	LEGHEMOGLOBIN (FLUORO MET)	VAINSSTEIN, HARUTUNYAN	4/82 SF
R1LE6SF	LEGHEMOGLOBIN (NICOTINATE MET)	VAINSSTEIN, HARUTUNYAN	4/82 SF
R2LE6SF	LEGHEMOGLOBIN (NICOTINATE MET)	VAINSSTEIN, HARUTUNYAN	4/82 SF
R1LE7SF	LEGHEMOGLOBIN (FERRO)/NITROSOBENZENE	VAINSSTEIN, HARUTUNYAN	2/83 SF
R2LE7SF	LEGHEMOGLOBIN (FERRO)/NITROSOBENZENE	VAINSSTEIN, HARUTUNYAN	2/83 SF
R1LYMSF	LYSOZYME (HEN EGG-WHITE, MONOCLINIC)	ROGLE, RAO, SUNDARALINGAM	4/82 SF
R1MLTTF	MELITTIN	TERMILLIGER, EISENBERG	8/81 SF
R2BFTSF	CMC/CMC D FRAGMENT (JAPANESE QUAIL)	E.PAPAMOKOS, R.HUBER	1/82 SF
R2BPTSF	PROPHOSPHOLIPASE A2 (BOVINE)	D.JEKSTRA, HOL, DRENTH	9/81 SF
R1RPSF	INORGANIC PYROPHOSPHATASE	E.HARUTUNYAN ET AL.	2/83 SF
R1RNS3F	RIBONUCLEASE A	BORKAKOTI, MOSS, PALMER	6/82 SF
R3TMSF	THERMOLYSIN (NATIVE)	B.MATTHEWS, M.BOLMES	2/82 SF
R2PTNSF	TRYPsin (ORTHORHOMBIC, 2.4M (NH4)2SO4)	J.WALTER, R.HUBER	10/81 SF
R1TP0SF	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
R1PTPSF	TRYPsin (P-AMIDINO-PHENYL-PYRUVATE)	WALTER, BODE, HUBER	9/82 SF
R4PTISF	TRYPsin INHIBITOR (BOVINE, PANCREAS)	R.HUBER, J.DEISENHOFER	9/82 SF
R1R2PSF	TRYPsin INHIBITOR (BOVINE, COMPLEX)	R.HUBER, J.DEISENHOFER	9/82 SF
R1R2P5F	TRYPsin (AMBYDRO)/TRYPsin INHIBITOR	HUBER, BODE, DEISENHOFER	5/82 SF
R2TQASF	TRYPsin (2.4M MCSO4)	J.WALTER, R.HUBER	10/81 SF
R1TGC5F	TRYPsin (5 CH3OH, .5 HOR)	J.WALTER, R.HUBER	10/81 SF
R1TGT5F	TRYPsin (173 K, .7 CH3OH, .3 HOR)	J.WALTER, R.HUBER	10/81 SF
R2TGT5F	TRYPsin (103 K, .7 CH3OH, .3 HOR)	J.WALTER, R.HUBER	10/81 SF
R2TGP5F	TRYPsin (TRYPsin INHIBITOR)	R.HUBER ET AL.	9/82 SF
R3TPI5F	TRYPsin (TRYPsin INHIBITOR/ILE-VAL)	R.HUBER ET AL.	9/82 SF
R2TPI5F	TRYPsin (PTI/ILE-VAL (MERCURATED))	J.WALTER, R.HUBER	10/81 SF
R1TGS5F	TRYPsin (PTI/ILE-VAL)	R.HUBER ET AL.	9/82 SF

PART 3 - AVAILABLE ON NONST3TP, NONST3FI

R1CATSF	CATALASE (BEEF LIVER)	M.ROSSMANN	11/81 SF
R4CHASF	ALPHA-CHYMOTRYPSIN (BOVINE)	H.TSUKADA, D.BLOW	11/84 SF
R2CGHSF	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, CGCGAATTCGGC, SYNTHETIC)/NETROPSIN	M.KOPKA, R.DICKERSON	8/84 SF
R7BNASF	DNA (B, CGCGAATTCGGC, ANISO TEMP FACTORS)	HOLBROOK, DICKERSON, XIM	11/85 SF
R1K1FSF	FLAVODOXIN (D.VULGARIS, UNREFINED)	WATENPAUGH, SIEKER, JENSNI084 SF	
R1GPTSF	GLUTATHIONE PEROXIDASE (BOVINE)	O.EPP, R.LADENSTEIN	6/85 SF
R2HBSF	HEMOGLOBIN (HUMAN, DEOXY)	G.FERMI, M.PERUTZ	3/84 SF
R1R8FSF	HEMOGLOBIN (HUMAN, OXY)	R.HUBER, J.DEISENHOFER	2/84 SF
R1R2P5F	IGA FAB (KAPPA) MCP603	G.COHEN ET AL.	7/84 SF
R2MCP5F	IGA FAB (KAPPA) MCP603/PHOSPHOCHOLINE	PADLAN, COHEN, DAVIES	10/84 SF
R1PFC5F	IGG F2C FRAGMENT	S.BRYANT ET AL.	4/85 SF
R1LZTSF	LYSOZYME (HEN EGG-WHITE, TRICLINIC)	HSDN, BRUN, SIEKER, JENSM	4/85 SF
R1MBOSF	MYOGLOBIN (SPERM WHALE, OXY)	S.PHILLIPS	3/84 SF
R2OV0SF	OVOMUCOID THIRD DOMAIN (SILVER PHEASANT)	W.BOODE, O.EPP	6/85 SF
R1PPD5F	PAPAIN D	J.JANSONIUS	10/84 SF
R3RP25F	PROTEINASE II (RAT MAST CELL)	S.REMINGTON, B.MATTHEWS	9/84 SF
R5PTT5F	PTI (X-RAY)	A.WLODAWER, R.HUBER	10/84 SF
R5PTT5F	PTI (NEUTRON)	A.WLODAWER, R.HUBER	10/84 SF
R5R5P5F	RIBONUCLEASE A (X-RAY)	A.WLODAWER	6/85 SF
R5R5P5F	RIBONUCLEASE A (NEUTRON)	A.WLODAWER	6/85 SF
R5RMSF	RUBREDOXIN (C.PASTEURIANUM)	WATENPAUGH, SIEKER, JENSNI084 SF	
R2VBS5F	VIRUS COAT PROTEIN (SBMV, T-1)	M.ROSSMANN	4/85 SF
R4BVS5F	VIRUS COAT PROTEIN (SOUTHERN BEAN MOSAIC)	M.ROSSMANN	4/85 SF

PART 4 - AVAILABLE ON NONST4TP, NONST4FI

R2APRSF	REIZOPUSPEPSIN (ACID PROTEINASE)	K.SUGUNA, D.DAVIES	3/87 SF
R3MGASF	AGGLUTININ (WHEAT GERM, ISOLECTIN 2)	C.WRIGHT	8/86 SF
R2AZASF	AZURIN (ALCALIGENES DENITRIFICANS)	E.BAKER, G.NORRIS	10/86 SF
R31CBSF	CALCIUM-BINDING PROTEIN (INTESTINAL)	D.SZEBENYI, K.MOFFAT	9/86 SF
R2CCPSF	CYTOCHROME C (PRIME)	B.FINZEL ET AL.	8/85 SF
R2CYPSF	CYTOCHROME C (PEKOK)	FINZEL, POLDS, KRAUT	8/85 SF
R8BNASF	DNA (CGCGAATTCGGC, SYNTHETIC)/HOECHST 33258P	P.JURA, R.DICKERSON	8/86 SF
R1DN4SF	DNA (-BR-CG-BR-CG-BR-CG, SYNTHETIC, 18 DEG C)	MORAS ET AL.	12/86 SF
R1DMS5F	DNA (-BR-CG-BR-CG-BR-CG, SYNTHETIC, 37 DEG C)	D.MORAS ET AL.	12/86 SF
R1RMS5F	LYS 7-DNP-LYS 41 RIBONUCLEASE A	B.FINZEL ET AL.	8/86 SF
R1CTFSF	L7/L12 50S RIBOSOMAL PROTEIN (C-TERMINAL)	M.LEIJONMARCK, A.LILJAS	9/85 SF
R2MHRSF	MYOEMERYTHRIN	SHERIFF, HENDRICKSON	4/87 SF
R1RMT5F	RIBONUCLEASE T1/GUANYLIC ACID COMPLEX	W.SAENGER ET AL.	7/87 SF
R6PTISF	TRYPsin INHIBITOR (FORM III, BOVINE)	A.WLODAWER	5/87 SF
R1VP15F	POLYOMA VIRUS CAPSID	RAYMENT, BAKER, CASPAR	3/83 SF

PART 5 - AVAILABLE ON NONST5TP, NONST5FI

R1MEVSF	MENGO VIRUS	M.ROSSMANN	2/87 SF
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PART 6 - AVAILABLE ON NONST6TP, NONST6FI

R3APRSF	ACID PROTEINASE/PEPTIDE INHIBITOR COMPLEX	K.SUGUNA, D.DAVIES	6/87 SF
R1DNASF	DNA (A, CGCGGGC, SYNTHETIC)	U.HEINEMANN	7/88 SF
R1DMS5F	DNA (CGCGAATTCGGC)-HOECHST 33258 COMPLEX	A.WANG ET AL.	2/88 SF
R3DNBSF	DNA (CCAAGATTGGC)	G.PRIVE, R.DICKERSON	3/88 SF
R1D16SF	DNA (CGCGGGTTTCGGCGC)	R.DICKERSON ET AL.	4/88 SF
R3ANASF			

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.)	EVANS, FARRANTS, LAWRENCE	1/88 SF
R1PAZSF	PSEUDOZURIN (ALCALIGENES FAECALIS)	PETRATOS, DAUTER, WILSON	6/88 SF
R7KASAF	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) 5M4 KAU (CN) 2 DERIV	E. ARNOLD, M. ROSSMANN	8/87 SF
R4RHVSFC	RHINOVIRUS 14 (HUMAN) 1M4 KAU (CN) 2 DERIV	E. ARNOLD, M. ROSSMANN	8/87 SF

PART 7 - AVAILABLE ON NONST7TP, NONST7FI

 R5CYT5F CYTOCHROME C (ALBACORE, REDUCED) T. TAKANO 1/88 SF
 R4GPDFS APO-GLYCERALDEHYDE-3-P-DEHYDRASE (LBST) GRIFFITH, SONG, ROSSMANN 1/88 SF
 R3HMF5F HYHEL-10 FAB/LYSOZYME COMPLEX E. PADLAN, D. DAVIES 8/88 SF
 R1LDB5F APO-L-LDR (BACILLUS STEAROTHERMOPHILUS) K. P. IONTEK, M. ROSSMANN 3/89 SF
 R2LDB5F L-LDR/NAD/FRUCTOSE-1, 6-BISPHOSPHATE K. P. IONTEK, M. ROSSMANN 3/89 SF
 R1LLCSF LACTATE DEHYDROGENASE (L. CASEI) BUEHNER, BECHT, HENSEL 11/88 SF
 R2LDC5F LACTATE DEHYDROGENASE (MOUSE TESTES) M. ROSSMANN 11/87 SF
 R4MDS5F MALATE DEHYDROGENASE (PORCINE) J. BIRKTOFT, L. BANASZAK 4/89 SF
 R4MBNSF MYOGLOBIN (SPERM WHALE, MET) T. TAKANO 1/88 SF
 R5MBNSF MYOGLOBIN (SPERM WHALE, DEOXY) T. TAKANO 1/88 SF
 R1PRCSF PHYCOLOGIC SYNTHETIC REACTION CENTER J. DEISENHOFER ET AL. 2/88 SF
 R1RDS5F RUBREDOXIN (DESULFOVIBRIO GIGAS) FREY, SIEKER, PAXAN 3/88 SF
 R2TRASF TRANSFER RNA (YEAST, ASP, FORM A) WESTHOFF, DUMAS, MORAS 11/87 SF
 R3TRASF TRANSFER RNA (YEAST ASP, FORM B) WESTHOFF, DUMAS, MORAS 11/87 SF

* NEW OR REPLACEMENT ENTRY SINCE JUL-89 NEWSLETTER

 CODES
 SF STRUCTURE FACTORS

TABLE 5. PROTEIN DATA BANK, ATOMIC COORDINATE HOLDINGS

 26-OCT-89

IDENT CODE	MOLECULE	DEPOSITOR(S)	DATE/STATUS
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ANTI-HYPERTENSIVE, ANTI-VIRAL			
1BD5	BDS-1 (SEA ANEMONE) (NMR MIN AVRGD STRUCT)	CLORE, DRISCOLL, GRONENBORN	11/88
2BD5	BDS-1 (SEA ANEMONE) (NMR, 42 STRUCTURES)	CLORE, DRISCOLL, GRONENBORN	11/88
CALCIUM BINDING PROTEIN			
3CLN	CALMODULIN (RAT)	Y. BABU, C. BUGG, W. COOK	5/88 R
1ALC	*ALPHA-LACTALBUMIN (BABOON)	ACHARYA, STUART, PHILLIPS	8/89
CONTRACTILE SYSTEM PROTEIN			
1CPV	CALCIUM-BINDING PARVALBUMIN SET 6A	R. KRETSINGER	8/74
2CPV	CALCIUM-BINDING PARVALBUMIN SET 6B	R. KRETSINGER	8/74
3CPV	CALCIUM-BINDING PARVALBUMIN SET 6I	R. KRETSINGER	8/74
1ICB	CALCIUM-BINDING PROTEIN (INTESTINAL)	D. SZEZENYI, K. MOFFAT	9/86
27MA	ALPHA TROPOMYOSIN	G. PHILLIPS JR., C. COHEN	9/87 A
4TNC	TROPONIN C (CHICKEN)	M. SUNDARALINGAM	9/87 R
5TNC	TROPONIN C (TURKEY)	O. HERZBERG, M. JAMES	5/88 R
CRYSTALLIN			
1GCR	GAMMA-II CRYSTALLIN (CALF)	T. BLUNDELL	8/85
DNA BINDING			
3GAP	CATABOLITE GENE ACTIVATOR PROTEIN/CAMP	I. WEBER, T. STEITZ	4/87 R
1CRO	CRO REPRESSOR PROTEIN	B. MATTHEWS ET AL.	6/87 A
2CRO	*CRO (PHAGE 434)	S. HARRISON ET AL.	12/88
1R69	*R1-69 N-TERMINUS OF 434 REPRESSOR	S. HARRISON ET AL.	12/88
2GN5	GENE-5 DNA BINDING PROTEIN	G. BRAY, A. MCPHERSON	1/86
1LBP	LAMBDA REPRESSOR (PHAGE LAMBDA)	C. PABO, M. LEWIS	12/87 A
1WRF	TRP REPRESSOR (TRIGONAL)	P. SIGLER ET AL.	12/87
2WRP	TRP REPRESSOR (ORTHOROMBIC)	P. SIGLER ET AL.	12/87
3WRP	APO-TRP REPRESSOR	P. SIGLER ET AL.	12/87
ELECTRON TRANSFER (cuproprotein)			
2AZA	AZURIN (ALCALIGENES DENITRIFICANS)	E. BAKER, G. NORRIS	10/86
1AZU	AZURIN (PSEUDOMONAS AERUGINOSA)	E. ADMAN, L. SIEKER, L. JENSEN	8/80
1PCY	PLASTOCYANIN (POPLAR, CU2+)	J. GUSS, H. FREEMAN	8/80
2PCY	PLASTOCYANIN (POPLAR, APO)	GARRETT, GUSS, FREEMAN	11/83
3PCY	PLASTOCYANIN (HG2+ SUBSTITUTED)	CHURCH, GUSS, POTTER, FREEMAN	12/85
4PCY	PLASTOCYANIN (CROSS-LINKED, CU+1, PH 7.8)	J. M. GUSS	9/86
5PCY	PLASTOCYANIN (CU+1, PH 7.0)	J. M. GUSS	9/86
6PCY	PLASTOCYANIN (CU+1, PH 2.8)	J. M. GUSS	9/86
1PAZ	PSEUDOAZURIN (ALCALIGENES FAECALIS)	PETRATOS, DAUTER, WILSON	6/88
2PAZ	PSEUDOAZURIN (ALCALIGENES FAECALIS)	E. ADMAN, K. PETRATOS	9/88
ELECTRON TRANSFER (cytochrome)			
2B5C	CYTOCHROME B5 (OXIDIZED)	F. S. MATHEWS	12/77
156B	CYTOCHROME B562 (E. COLI, OXIDIZED)	BETHEGE, CZERNINSKI, MATHEWS	8/79
3CYT	CYTOCHROME C (ALBACORE, OXIDIZED)	T. TAKANO, R. DICKERSON	7/80
5CYT	CYTOCHROME C (ALBACORE, REDUCED)	T. TAKANO	1/88 R
1CCY	CYTOCHROME C (BONITO, HEART)	M. KAKUDO	8/76
1CCR	CYTOCHROME C (RICE)	H. OCHI, N. TANAKA	3/83
2CCY	CYTOCHROME C (PRIME)	B. PINZEL ET AL.	8/85
2CC2	CYTOCHROME C2 (OXIDIZED)	G. BHATTIA, B. FINZEL, J. KRAUT	11/83
1CC3	CYTOCHROME C2 (REDUCED)	G. BHATTIA, B. FINZEL, J. KRAUT	11/83
1CY3	CYTOCHROME C3	H. BASER, M. FREY, F. PAXAN	6/85
2CDV	CYTOCHROME C3 (DESULFOVIBRIO VULGARIS)	N. YASUOKA, M. KAKUDO	11/83
1CC5	CYTOCHROME C5 (OXIDIZED, AZOTOBACTER VULD)	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
ELECTRON TRANSFER (flavoprotein)			
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
ELECTRON TRANSFER (iron-sulfur protein)			
4FD1	FERRIDOXIN (AZOTOBACTER VINELANDII)	C. D. STOUT	6/88 R
1FD2	FERRIDOXIN MUTANT (C20A)	C. D. STOUT	12/88
1FXB	FERRIDOXIN (B. THERMOPROTEOLYTICUS)	FUKUYAMA, TSUKIHARA, KATSUBE	6/88
1FDX	FERRIDOXIN (PEPTOCOCCUS AEROGENSIS)	E. ADMAN, L. SIEKER, L. JENSEN	8/76
3FXC	FERRIDOXIN (SPIRULINA PLATENSIS)	TSUKIHARA, KATSUBE, KAKUDO	12/81
1HIP	HIGH POTENTIAL IRON PROTEIN	J. KRAUT	4/75
4RXN	RUBREDOXIN (C. PASTEURIANUM, UNCONSTR REF)	WATENPAUGH, SIEKER, JENSEN	10/84
5RXN	RUBREDOXIN (C. PASTEURIANUM, NRG+XTAL REF)	K. WATENPAUGH	10/84
1RDG	RUBREDOXIN (DESULFOVIBRIO GIGAS)	M. FREY, L. SIEKER, F. PAXAN	3/88
3RXN	RUBREDOXIN (DESULFOVIBRIO VULGARIS)	E. ADMAN, L. SIEKER, L. JENSEN	9/80
ELONGATION FACTOR			
1EFM	ELONGATION FACTOR TU (TRYPSIN-MODIFIED)	F. JURNAK	5/87 A
1ETU	ELONGATION FACTOR TU (DOMAIN I)/GDP	CHP. L. LA COUR ET AL.	1/88
EXCITATION ENERGY TRANSFER			
3BCL	BACTERIOCHLOROPHYLL A PROTEIN	TRONRU, SCHMID, MATTHEWS	6/87 R
GLYCOSIDASE INHIBITOR			
1HOE	ALPHA-AMYLASE INHIBITOR HOE-467A HORMONE	PFLUGRATH, WIEGAND, HUBER	1/89
HORMONE			
1PPT	AVIAN PANCREATIC POLYPEPTIDE	T. BLUNDELL	1/81
1XY1	DEAMINO-OXYTOCIN (MET FORM)	T. BLUNDELL ET AL.	5/87
1XY2	DEAMINO-OXYTOCIN (DRY FORM)	T. BLUNDELL ET AL.	5/87
1GCN	GLUCAGON	T. BLUNDELL	10/77
2INS	INSULIN (BOVINE, 2-ZINC) DES-PHE B1	C. REYNOLDS, G. DODSON	5/82
1INS	INSULIN (PORCINE, 2-ZINC)	G. DODSON, D. HODGKIN	7/80
3INS	INSULIN (PORCINE, XRAY-NEUTRON)	A. WLODAWER, B. SAVAGE	10/88
HISTOCOMPATIBILITY ANTIGEN			
1HLA	HISTOCOMPATIBILITY ANTIGEN A2 (HUMAN)	D. WILEY ET AL.	10/87 A
IMMUNOGLOBULIN			
1MCG	IMMUNOGLOBULIN B-J INTACT MCG	SCHIFFER, EDMUNDSON ET AL.	5/78
1RE1	IMMUNOGLOBULIN B-J FRAGMENT (V-DIMER) RE1	O. EPP, R. HUBER	3/76 A
2RHE	IMMUNOGLOBULIN B-J FRAGMENT (V-MMMER) RHE	FUREY, WANG, YOO, SAX	6/83

1FBJ	IGA FAB (KAPPA) J539	T. BHAT, D. DAVIES ET AL.	6/86
1MCP	IGA FAB (KAPPA) MCP603	SATOW, COHEN, PADLAN, DAVIES	7/84
2MCP	IGA FAB (KAPPA) MCP603/PROSPHOCOLINE	E. PADLAN, G. COHEN, D. DAVIES	10/84
2F84	IGG1 FAB (LAMBDA) KOL	M. MARQUART, R. HUBER	4/89 R
3FAB	IMMUNOGLOBULIN FAB (PRIME) NEW	R. POLJAK	9/81
1F19	FAB F19.9 (MOUSE)	F. FOLJAK ET AL.	11/88
1FC1	IMMUNOGLOBULIN FC (HUMAN)	J. DEISENHOFER	5/81
1FC2	IMMUNOGLOBULIN FC-FRAGMENT B COMPLEX	J. DEISENHOFER	5/81
1PFC	IGG FPC FRAGMENT	L. M. AMEL	10/81
2IG2	IGG1 (LAMBDA) KOL	M. MARQUART, R. HUBER	4/89 R
COMPLEX (immunoglobulin-antigen)			
2RFL	HYHEL-5 FAB/LYSOZYME COMPLEX	S. SHERIFF, D. DAVIES	8/87
3BFM	HYHEL-10 FAB/LYSOZYME COMPLEX	E. PADLAN, D. DAVIES	8/88
LECTIN			
2CNA	CONCANAVALIN A	G. REEKE, J. BECKER, G. EDELMAN	4/75
3CNA	CONCANAVALIN A	K. HARDMAN	9/76
1CN1	CONCANAVALIN A (DEMETHYLATED)	M. SHOHAM	12/81
3WGA	AGGLUTININ (WHEAT GERM, ISOLECTIN 2)	C. WRIGHT	3/86
LIPID ASSOCIATED PROTEIN			
MEMBRANE GLYCOPROTEIN			
1BMG	HAMAGGLUTININ (INFLUENZA VIRUS)	D. WILEY	6/86
METAL BINDING PROTEIN			
2MT2	CD, 2N METALLOTHIONEIN (ISOFORM II)	C. D. STOUT	10/85
NUCLEIC ACID ASSOCIATED PROTEIN			
1UBQ	UBIQUITIN (HUMAN)	VIJAY-KUMAR, BUGG, COOK	1/87
ONCOGENE PROTEIN			
2P21	C-H-RAS P21 PROTEIN (CATALYTIC DOMAIN)	S. -H. KIM	7/89
OXYGEN STORAGE			
1MB5	MYOGLOBIN (SEAL, MET)	H. SCOULOUDI	3/79
1MBD	MYOGLOBIN (SPERM WHALE, DEOXY)	S. PHILLIPS	8/81
1MBN	MYOGLOBIN (SPERM WHALE, MET)	H. WATSON	4/73
4MBN	MYOGLOBIN (SPERM WHALE, MET)	T. TAKANO	1/88 R
5MBN	MYOGLOBIN (SPERM WHALE, DEOXY)	T. TAKANO	1/88 R
1MBO	MYOGLOBIN (SPERM WHALE, OXY)	S. PHILLIPS	8/81
1MB5	MYOGLOBIN (SPERM WHALE, CO, NEUTRON)	HANSON, NORVELL, SCHOENBORN	11/82
1MBC	MYOGLOBIN (SPERM WHALE, CARBONMONOXY, 260 K)	J. KURIYAN, G. PETSKO	9/88
OXYGEN TRANSPORT			
1HRB	HEMYRTHIRIN B	W. HENDRICKSON	6/76 A
1HR3	HEMYRTHIRIN (AZIDO, MET, SIPHONOSOMA)	SMITH, HENDRICKSON, ADDISON	5/83 A
1HRQ	HEMYRTHIRIN (MET)	STENKAMP, SIEKER, JENSEN	2/83
1HRZ	HEMYRTHIRIN (AZIDO, MET)	STENKAMP, SIEKER, JENSEN	2/83
1HDS	HEMOGLOBIN (DEER, SICKLE CELL)	E. AMMA, R. GIRLING	10/79
1ECA	ERYTHROCUORIN (AQUO, MET)	W. STEIGEMANN, E. WEBER	3/79
1ECD	ERYTHROCUORIN (REDUCED, DEOXY)	W. STEIGEMANN, E. WEBER	3/79
1ECN	ERYTHROCUORIN (CYANO, MET)	W. STEIGEMANN, E. WEBER	3/79
1ECO	ERYTHROCUORIN (CARBONMONOXY)	W. STEIGEMANN, E. WEBER	3/79
2DBB	HEMOGLOBIN (HORSE, DEOXY)	M. PERUTZ, G. FERMI	11/73
2MBB	HEMOGLOBIN (HORSE, AQUO MET)	R. LADNER, HEIDNER, PERUTZ	2/77
1RCC	HEMOGLOBIN (HUMAN, CARBONMONOXY)	J. BALDWIN	8/79
2RCC	HEMOGLOBIN (HUMAN, CARBONMONOXY, NRG REFND)	J. BALDWIN	8/79
2HRB	HEMOGLOBIN (HUMAN, DEOXY)	G. FERMI, M. PERUTZ	3/84
3HRB	HEMOGLOBIN (HUMAN, DEOXY, SYMMETRY AVRGD)	G. FERMI, M. PERUTZ	3/84
4HRB	HEMOGLOBIN (HUMAN, DEOXY, UNRESTRAINED)	G. FERMI, M. PERUTZ	3/84
1HR0	HEMOGLOBIN (HUMAN, OXY)	B. SHANAM	6/83
1FDR	HEMOGLOBIN (HUMAN, FETAL, DEOXY)	J. FRIER	8/76
21HB	HEMOGLOBIN V (CYANO, MET, SEA LAMPREY)	HONZATKO, HENDRICKSON, LOVE	8/85
1HBS	HEMOGLOBIN S (HUMAN, SICKLE CELL)	E. PADLAN, W. LOVE	6/82
1HL1	LEGHEMOGLOBIN (ACETATE MET)	VAINSSTEIN, HARUTYUNYAN	4/82
2HL1	LEGHEMOGLOBIN (ACETATE MET)	VAINSSTEIN, HARUTYUNYAN	4/82
1HL2	LEGHEMOGLOBIN (AQUO MET)	VAINSSTEIN, HARUTYUNYAN	4/82
2HL2	LEGHEMOGLOBIN (AQUO MET)	VAINSSTEIN, HARUTYUNYAN	4/82
1HL3	LEGHEMOGLOBIN (CYANO MET)	VAINSSTEIN, HARUTYUNYAN	4/82
2HL3	LEGHEMOGLOBIN (CYANO MET)	VAINSSTEIN, HARUTYUNYAN	4/82
1HL4	LEGHEMOGLOBIN (DEOXY)	VAINSSTEIN, HARUTYUNYAN	4/82
2HL4	LEGHEMOGLOBIN (DEOXY)	VAINSSTEIN, HARUTYUNYAN	4/82
1HL5	LEGHEMOGLOBIN (FLUORO MET)	VAINSSTEIN, HARUTYUNYAN	4/82
2HL5	LEGHEMOGLOBIN (FLUORO MET)	VAINSSTEIN, HARUTYUNYAN	4/82
1HL6	LEGHEMOGLOBIN (NICOTINATE MET)	VAINSSTEIN, HARUTYUNYAN	4/82
2HL6	LEGHEMOGLOBIN (NICOTINATE MET)	VAINSSTEIN, HARUTYUNYAN	4/82
1HL7	LEGHEMOGLOBIN (FERRO)/NITROSOBENZENE	VAINSSTEIN, HARUTYUNYAN	4/82
2HL7	LEGHEMOGLOBIN (FERRO)/NITROSOBENZENE	VAINSSTEIN, HARUTYUNYAN	4/82
2HRH	MYOHEMYRTHIRIN	S. SHERIFF, W. HENDRICKSON	4/87 R
PEPTIDE ANTI-BIOTIC			
1MT	ALMERICIN (TRICHOCHOTRYMMA VIRIDE)	R. FOX, F. RICHARDS	12/87
PERIPLASMIC BINDING PROTEIN			
1ABP	L-ARABINOSE-BINDING PROTEIN	F. QUIOCCHO, G. GILLILAND	5/80
1G8P	GALACTOSE-BINDING PROTEIN	S. MOMBRAY, G. PETSKO	8/83 A
21BP	LEUCINE BINDING PROTEIN (E. COLI)	F. QUIOCCHO ET AL.	4/89
21LV	LEU-ILE-VAL BINDING PROTEIN (E. COLI)	J. SACK, M. SAPER, F. QUIOCCHO	4/89
PHOTOSYNTHETIC REACTION CENTER			
1PRC	PHOTOSYNTHETIC REACTION CENTER	J. DEISENHOFER ET AL.	2/88
PLANT SEED PROTEIN			
1CRN	CRAMBIN	W. HENDRICKSON, M. TEETER	5/81
PROTEINASE INHIBITOR			
2C12	CHYMOTRYPSIN INHIBITOR 2 (BARLEY SEEDS)	C. MCPHALEN, M. JAMES	9/88 R
5AP1	ALPHA 1-ANTITRYPSIN (MODIFIED, TETRAGONAL)	R. HUBER ET AL.	10/84
6AP1	ALPHA 1-ANTITRYPSIN (MODIFIED, HEXAGONAL)	R. HUBER ET AL.	10/84
1OVO	OVOMUCOID THIRD DOMAIN (JAPANESE QUAIL)	E. PAPANIKOS, R. HUBER	1/82
2OVO	OVOMUCOID THIRD DOMAIN (SILVER PHEASANT)	W. BODE, O. EPP	6/85
2SSI	SUBSTITUTED INHIBITOR (STREPTOMYCES)	Y. MITSUI ET AL.	4/80
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
RIBOSOMAL PROTEIN			
1CTF	L7/112 S0S RIBOSOMAL PROTEIN (C-TERMINAL)	M. LEIJOUMARCK, A. LILJAS	9/86
STERIOD BINDING			
1UTG	*UTEROGLOBIN (RABBIT)	J. MORNON ET AL.	3/89
2UTG	*UTEROGLOBIN (RABBIT)	R. BALLY, J. DELETTRE	5/89
SWEET TASTING PROTEIN			
1MON	*MONELLIN (SERENDIPITY BERRY)	S. -H. KIM	5/89 A
1TH1	*THAUMATIN I (KETEMPE BERRY)	S. -H. KIM	5/89 A
TOXIN			
1ACX	ACTINOXANTHIN	V. PLETNEV, A. KUZIN	12/82
2ABX	ALPHA-BUNGAROTOXIN	R. LOVE, R. STROUD	2/86
1CTX	ALPHA COBRATOXIN	W. SAENGER, M. WALKINSHAW	3/82
3EBX	ERABUTOXIN B (SEA SNAKE)	B. LOW ET AL.	1/88 R
1MLT	MELITTIN	TERWILLIGER, EISENBERG	8/81
1NKB	NEUROTOXIN B (LATICAUDA SEMIFASCIATA)	D. TERNOGLOU, G. PETSKO	8/80
1SK3	SCORFIN NEUROTOXIN (VARIANT 3)	C. BUGG ET AL.	12/82
TRANSPORT (hydrophobic, redox)			
2PAB	PERALBUMIN (HUMAN, PLASMA)	S. OATLEY, C. BLAKE	9/77
TYPE I COPPER PROTEIN			
1CBP	CUCUMBER BASIC PROTEIN	J. M. GUSS	9/88 A
VIRUS			
1MEV	MENGO VIRUS	M. ROSSMANN	2/87
2PLV	*POLIO VIRUS	D. FILMAN, J. HOGLE	10/89
1R04	RHINOVIRUS/ANTIVIRAL AGENT 4	M. ROSSMANN ET AL.	2/88
1R06	RHINOVIRUS/ANTIVIRAL AGENT 6	M. ROSSMANN ET AL.	2/88
1R07	RHINOVIRUS/ANTIVIRAL AGENT 7	M. ROSSMANN ET AL.	2/88
4RHV	RHINOVIRUS 14 (HUMAN)	E. ARNOLD, M. ROSSMANN	11/87 R
1RM2	RHINOVIRUS/ANTIVIRAL AGENT 2	M. ROSSMANN ET AL.	2/88
1RR1	RHINOVIRUS/ANTIVIRAL AGENT 1R	M. ROSSMANN ET AL.	2/88
1RS5	RHINOVIRUS/ANTIVIRAL AGENT 1S	M. ROSSMANN ET AL.	2/88
1RS3	RHINOVIRUS/ANTIVIRAL AGENT 3S	M. ROSSMANN ET AL.	2/88
1RS5	RHINOVIRUS/ANTIVIRAL AGENT 5S	M. ROSSMANN ET AL.	2/88
2STV	VIRUS (SATELLITE TOBACCO NECROSIS)	T. A. JONES, L. LILJAS	6/84
48BV	VIRUS COAT PROTEIN (SOUTHERN BEAN MOSAIC)	M. ROSSMANN	4/85
2TBV	VIRUS (TOMATO BUSHY STUNT)	S. HARRISON	6/84

Table listing protein entries with columns for ID, Name, Species, and Reference. Includes entries like 2TMV VIRUS (TOBACCO MOSAIC) and 18XAI KALLIKREIN A (PORCINE) FTI (BOVINE).

1ANA	DNA (A, 5 (PRIME)-D-IODO-CGCG-3 (PRIME))	B. CONNER, R. DICKERSON	6/82
2DND	DNA (CGCGAATTCCG)-DISTRIBUTION COMPLEX	H. COLL, A. RICH	8/88
18NA	DNA (B, CGCGAATTCCG, SYNTHETIC, 290 K)	H. DREW, R. DICKERSON	1/81
28NA	DNA (B, CGCGAATTCCG, SYNTHETIC, 16 K)	H. DREW, R. DICKERSON	11/81
38NA	DNA (B, 9-BR-CGCGAATTCCG, SYNTH, 20 DEG C)	KOPKA, FRATINI, DICKERSON	2/82
48NA	DNA (B, 9-BR-CGCGAATTCCG, SYNTH, 7 DEG C)	KOPKA, FRATINI, DICKERSON	2/82
58NA	DNA (B, CGCGAATTCCG, SYNTHETIC) / CISPLATIN	WING, PUJARA, DREW, DICKERSON	8/83
68NA	DNA (B, 9-BR-CGCGAATTCCG, SYNTH) / NETROPINSIN	H. DREW, R. DICKERSON	8/84
78NA	DNA (B, CGCGAATTCCG, ANISO TEMP FACTORS)	BOLBROOK, DICKERSON, KIM	1/85
88NA	DNA (CGCGAATTCCG, SYNTHETIC) / HOECHST 33258	PUJARA, GRZESKOWIAK, DICKERSON	8/86
1DNE	DNA (CGCGAATTCCG)-HOECHST 33258 COMPLEX	A. WANG ET AL.	2/88
1DCG	DNA (CGCGCG)	C. FREDERICK, A. WANG ET AL.	8/88
2DCG	DNA (CGCGCG) / SPERMINE	A. WANG, A. RICH ET AL.	8/88
2ANA	DNA (A, GGGGCCCC, SYNTHETIC)	M. MCCALL, T. BROWN, O. KENNARD	8/85
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
1DNE	DNA (CGCGAATTCCG) / NETROPINSIN	M. COLL ET AL.	9/88
1D16	DNA (CGCGCGTTTCCGCGCG)	CHATTOPADHYAYA, DICKERSON	4/88
4DNB	DNA (CGCGAATTCCG)	C. FREDERICK, A. RICH ET AL.	8/88
9DNA	DNA (A, GCGCGCG, SYNTHETIC)	U. HEINEMANN	7/87
1DN6	DNA (GATGGGGAG, SYNTHETIC)	MCCALL, BROWN, HUNTER, KENNEDY	5/87
3ANA	DNA (A, GCGATCCC, SYNTHETIC)	U. HEINEMANN, H. LAUBLE	7/88
1DN8	DNA (CGCGCG, SYNTHETIC)	M. SUNDARALINGAM	5/87
12NA	DNA (2 (PRIME), CGCG, HIGH-SALT, SYNTHETIC)	H. DREW, R. DICKERSON	1/81

7DFR	DIIHYDROFOLATE REDUCTASE/FOLATE/NADP	J. KRAUT	10/88 P
1DHF	*DIIHYDROFOLATE REDUCTASE (HUMAN) / FOLATE	J. DAVIES, J. KRAUT	10/89 P
2DFP	*DIIHYDROFOLATE REDUCTASE/5-DEAZAGUANYL	J. DAVIES, J. KRAUT	10/89 P
4ANA	A-DNA (ATCCGAATCGT)	R. CHANDRASEKHARAN	2/89 P
1DNS	DNA (GCTGTACC) / SPERMINE	M. SUNDARALINGAM	2/89 P
1BDN	DNA (CGCGAAATATGCG)	DIGABRIELE, SANDERSON, STEITZ	4/89 P
1DNF	DNA (CGCGGCG)	A. RICH ET AL.	12/88 P
1DN9	DNA (CGCATATATGCG)	C. YOON, R. DICKERSON	4/89 P
1BD1	*DNA (CGCGCGTTGCG)	U. HEINEMANN	8/89 P
5ANA	*DNA (GTACGTC)	F. TAKUSAGAMA	8/89 P
1D10	*DNA (CGATCG) / DAUNOMYCIN	C. FREDERICK ET AL.	10/89 P
1D11	*DNA (CGTACG) / DAUNOMYCIN	WANG, UGHETTO, QUIGLEY, RICH	10/89 P
1D12	*DNA (CGATCG) / ADRIAMYCIN	C. FREDERICK ET AL.	10/89 P
1D13	*DNA (ATCCGCGCGT)	C. FREDERICK ET AL.	10/89 P
1D14	*DNA (CGTACG) / 11-DEOXYDAUNOMYCIN	L. WILLIAMS ET AL.	10/89 P
4EST	ELASTASE/DIPLUOROKETONE INHIBITR COMPLEX	E. MEYER JR. ET AL.	5/89 H
5EST	ELASTASE/BORONIC ACID INHIBITOR COMPLEX	E. MEYER JR. ET AL.	5/89 H
1ER1	*ENDOTHAPEPSIN/BW624 COMPLEX	COOPER, FOUNDLING, BLUNDELL	10/89 P
1ER2	*ENDOTHAPEPSIN/CP-69, 799 COMPLEX	T. BLUNDELL ET AL.	10/89 P
1ER3	*ENDOTHAPEPSIN/CP-71, 362 COMPLEX	T. BLUNDELL ET AL.	10/89 P
1ER4	*ENDOTHAPEPSIN/H-142 COMPLEX	T. BLUNDELL ET AL.	10/89 P
1ER5	*ENDOTHAPEPSIN/H-189 COMPLEX	T. BLUNDELL ET AL.	10/89 P
1ER6	*ENDOTHAPEPSIN/H-256 COMPLEX	T. BLUNDELL ET AL.	10/89 P
1ER7	*ENDOTHAPEPSIN/H-261 COMPLEX	T. BLUNDELL ET AL.	10/89 P
1ER8	*ENDOTHAPEPSIN/H-277 COMPLEX	T. BLUNDELL ET AL.	10/89 P
1ER9	*ENDOTHAPEPSIN/L-363, 564 COMPLEX	T. BLUNDELL ET AL.	10/89 P
1ER0	*ENDOTHAPEPSIN/L-364, 099 COMPLEX	T. BLUNDELL ET AL.	10/89 P
2ER1	*ENDOTHAPEPSIN/PD125967 COMPLEX	QUALL, COOPER, BLUNDELL	10/89 P
2ER2	*ENDOTHAPEPSIN/PEPSTATIN COMPLEX	T. BLUNDELL ET AL.	10/89 P
4EBX	ERABUTOXIN A (SEA SNAKE)	P. CORFIELD, T.-J. LEE, B. LOW	4/89 N
2GMP	D-GALACTOSE-BINDING PROTEIN (E. COLI)	N. VYAS, M. VYAS, F. QUICHO	2/89 H
1QMA	GRAMICIDIN A (BACILLUS BREVIS)	D. LANGS	8/88 P
2QMA	*GRAMICIDIN A	B. WALLACE, K. RAVIKUMAR	10/89 P
2BMC	*HAEMAGGLUTININ	D. WILEY	9/89 RP
3BMC	*HAEMAGGLUTININ	D. WILEY	9/89 P
4BMC	*HAEMAGGLUTININ	D. WILEY	9/89 P
5BMC	*HAEMAGGLUTININ	D. WILEY	9/89 P
1COB	HEMOGLOBIN (ALPHA-FERROUS, BETA-COBALTIOUS)	B. LUISI	10/89 P
1SDR	*HEMOGLOBIN (SCAPHARCA, DIMERIC)	ROYER, HENDRICKSON, CHIANCONELLO	1/89 P
1R1R	HIRUDIN (NMR, MIN AVERAGED STRUCTURE)	CLORE, GRONENBORN ET AL.	12/88 P
2R1R	HIRUDIN (NMR, 32 STRUCTURES)	CLORE, GRONENBORN ET AL.	12/88 P
3R1R	HIRUDIN (NMR, K47E, MIN AVERAGED STRUCTURE)	CLORE, GRONENBORN ET AL.	12/88 P
4R1R	HIRUDIN (NMR, K47E, 32 STRUCTURES)	CLORE, GRONENBORN ET AL.	12/88 P
2H1A	*H1A-AW68	GARRETT, SAPER, WILEY	10/89 P
3H1A	*H1A-A2	D. WILEY ET AL.	10/89 P
2FRH	P-HYDROXYBENZYL HYDROXYLASE/ADPFP	VAN DER LAAN, DRENTH, HOL	6/89 P
1IMC	IMMUNOGLOBULIN 4-4-20 FAB/FUOROSCEIN	A. EDMUNDSON	4/89 P
1MCG	1MCG LIGHT CHAIN DIMER (MCG-WEIR HYBRID)	K. ELY, J. HERRON, A. EDMUNDSON	5/89 P
2MCG	2MCG IMMUNOGLOBULIN B-J INTACT MCG (ORTHORHMBIC)	K. ELY, J. HERRON, A. EDMUNDSON	5/89 P
3MCG	3MCG IMMUNOGLOBULIN B-J INTACT MCG (TRIGONAL)	K. ELY, J. HERRON, A. EDMUNDSON	5/89 RP
2FBJ	*IGA FAB (KAPPA) J539	T. BEAT, E. PADLAN, D. VAVS	8/89 RP
4INS	INSULIN (PORCINE, 2-ZINC)	G. DOODSON ET AL.	7/89 RP
1ICD	*ISOCITRATE DEHYDROGENASE	J. HURLEY ET AL.	7/89 H
2LIT	*LYSOZYME (TRICLINIC)	RAMANADHAM, SIEKER, JENSEN	9/89 P
1LYD	LYSOZYME (T4 EXPRESSED IN E. COLI)	D. ROSE	1/89 P
3LZM	LYSOZYME (T4)	B. MATTHEWS ET AL.	5/89 P
1L17	LYSOZYME (T4) MUTANT (I3V)	B. MATTHEWS ET AL.	5/89 P
1L18	LYSOZYME (T4) MUTANT (I3Y)	B. MATTHEWS ET AL.	5/89 P
1L19	LYSOZYME (T4) MUTANT (P86L)	B. MATTHEWS ET AL.	5/89 P
1L20	LYSOZYME (T4) MUTANT (N144D)	B. MATTHEWS ET AL.	5/89 P
1L21	LYSOZYME (T4) MUTANT (N55G)	B. MATTHEWS ET AL.	5/89 P
1L22	LYSOZYME (T4) MUTANT (K124G)	B. MATTHEWS ET AL.	5/89 P
1L23	LYSOZYME (T4) MUTANT (G77A)	B. MATTHEWS ET AL.	5/89 P
1L24	LYSOZYME (T4) MUTANT (A82P)	B. MATTHEWS ET AL.	5/89 P
1L25	LYSOZYME (T4) MUTANT (P86A)	B. MATTHEWS ET AL.	5/89 P
1L26	LYSOZYME (T4) MUTANT (P86C)	B. MATTHEWS ET AL.	5/89 P
1L27	LYSOZYME (T4) MUTANT (P86D)	B. MATTHEWS ET AL.	5/89 P
1L28	LYSOZYME (T4) MUTANT (P86G)	B. MATTHEWS ET AL.	5/89 P
1L29	LYSOZYME (T4) MUTANT (P86H)	B. MATTHEWS ET AL.	5/89 P
1L30	LYSOZYME (T4) MUTANT (P86I)	B. MATTHEWS ET AL.	5/89 P
1L31	LYSOZYME (T4) MUTANT (P86J)	B. MATTHEWS ET AL.	5/89 P
1L32	LYSOZYME (T4) MUTANT (P86K)	B. MATTHEWS ET AL.	5/89 P
1L33	LYSOZYME (T4) MUTANT (V131A)	B. MATTHEWS ET AL.	5/89 P
1L34	LYSOZYME (T4) MUTANT (R96H)	B. MATTHEWS ET AL.	5/89 P
1L35	*LYSOZYME (T4) MUTANT (C54T, C97A, I9C, L164C)	B. MATTHEWS ET AL.	10/89 P
1MCM	*MACROMYOCYIN	P. VAN ROEY	9/89 P
1MBA	MET MYOGLOBIN (APLYSIA LIMACINA) PH 7.0	M. BOLOGNESI ET AL.	2/89 P
2MBA	MET MYOGLOBIN (A. LIMACINA) / AZIDE PH 7.0	M. BOLOGNESI ET AL.	2/89 P
3MBA	MET MYOGLOBIN (A. LIMACINA) / FLUORIDE PH 7.0	M. BOLOGNESI ET AL.	2/89 P
4MBA	MET MYOGLOBIN (A. LIMACINA) / IMIDAZOLE	M. BOLOGNESI ET AL.	2/89 P
1MBS	*MYOGLOBIN	G. PHILLIPS	10/89 RP
2PEP	*PEPSIN (PORCINE)	B. SCHENBERN, X. CHENG	10/89 RP
3PEP	*PEPSIN (PORCINE)	T. BLUNDELL ET AL.	7/89 P
2P2P	*PHOSPHOLIPASE A2 (PORCINE) MUTANT	C. ABAD-ZAPATERO, J. ERICKSON	10/89 P
1PHY	*PHOTOACTIVE YELLOW PROTEIN	B. DIJKSTRA	1/89 H
1LRD	LAMBDA REPRESSOR/DNA	D. MCREE, J. TAINER, E. GETZOFF	8/89 RP
2OR1	*R1-69 (PHAGE 434) / OR1 COMPLEX	S. JORDAN, C. PABO	10/88 P
1REN	*RENIN	AGGARWAL, ANDERSON, HARRISON	9/89 P
2RN3	*RIBONUCLEASE A (BOVINE)	A. SIELECKI ET AL.	10/89 H
8RS4	*RIBONUCLEASE A/DV	HOWLIN, MOSS, HARRIS, PALMER	8/89 RP
9RS4	*RIBONUCLEASE A/DU	J. NACHMAN, A. WIODAWER	8/89 P
4SGP	*SGP/PCI	J. NACHMAN, A. WIODAWER	8/89 P
1SNC	*STREPT NUCLEASE/CA2+/PDTP	GREENBLATT, RYAN, JAMES	9/89 P
1S01	*SUBTILISIN BFW MUTANT	P. LOLL, E. LATTMAN	7/89 P
1A1T	TENDAMISTAT (NMR)	M. WITLOW, A. HOWARD, J. WOOD	8/89 H
2A1T	TENDAMISTAT (NMR, 9 STRUCTURES)	K. WUEHRICH ET AL.	10/89 P
1TLD	*TRYPSIN (BOVINE, ORTHORHOMBIC)	B. ARTUNIK, SUMMERS, BARTSCH	7/89 P
1TNF	*TUMOR NECROSIS FACTOR	M. ECK, S. SPRANG	8/89 P
2MEV	MENGO VIRUS	M. ROSSMANN	4/89 RP
1BMV	*BEAN POD MOTTLE VIRUS	J. JOHNSON	10/89 P
1R1A	RHINOVIORUS 1A	M. ROSSMANN ET AL.	12/88 P
1R1U	RHINOVIORUS MUTANT ((1)C199Y)	M. ROSSMANN ET AL.	10/88 P
2R1U	RHINOVIORUS MUTANT ((1)V188L)	M. ROSSMANN ET AL.	10/88 P
2R1R	RHINOVIORUS/ANTIVIRAL AGENT 1R COMPLEX	M. ROSSMANN ET AL.	10/88 RP
2R1S	RHINOVIORUS/ANTIVIRAL AGENT 1S COMPLEX	M. ROSSMANN ET AL.	10/88 RP
2R1W	RHINOVIORUS/ANTIVIRAL AGENT 2 COMPLEX	M. ROSSMANN ET AL.	10/88 RP
2R1X	RHINOVIORUS/ANTIVIRAL AGENT 3 COMPLEX	M. ROSSMANN ET AL.	10/88 RP
2R1Y	RHINOVIORUS/ANTIVIRAL AGENT 4 COMPLEX	M. ROSSMANN ET AL.	10/88 RP
2R1Z	RHINOVIORUS/ANTIVIRAL AGENT 5 COMPLEX	M. ROSSMANN ET AL.	10/88 RP
2R1A	RHINOVIORUS/ANTIVIRAL AGENT 6 COMPLEX	M. ROSSMANN ET AL.	10/88 RP
2R1B	RHINOVIORUS/ANTIVIRAL AGENT 7 COMPLEX	M. ROSSMANN ET AL.	10/88 RP
2R1C	RHINOVIORUS/ANTIVIRAL AGENT 8 COMPLEX	M. ROSSMANN ET AL.	10/88 P
3X1A	X-YLOSE ISOMERASE (STREP. OLIVOCROMOGENES)	G. FARRER, G. PETSKO	2/89 P
4X1A	D-X-YLOSE ISOMERASE/SORBITOL	K. HENRICK, C. COLLYER, D. BLOW	6/89 H
5X1A	D-X-YLOSE ISOMERASE/XYLITOL	K. HENRICK, C. COLLYER, D. BLOW	6/89 H
1ZNF	*ZINC FINGER (NMR)	P. WRIGHT	9/89 P

MODEL STRUCTURES			
CALCIUM BINDING PROTEIN			
2CLN	CALMODULIN/TRIFLUOPERAZINE MODEL	N. STRYHADKA, M. JAMES	2/88
CONTRACTILE SYSTEM PROTEIN			
1TNC	TROPONIN (CA-BINDING COMPONENT) MODEL	R. KRETSINGER, C. D. BARRY	6/80 A
DNA BINDING			
2CAZ	CATABOLITE GENE ACTIVATOR PTN/DNA MODEL	I. WEBER, T. STEITZ	3/86 A
HORMONE			
1GF1	INSULIN-LIKE GROWTH FACTOR I MODEL	BLUNDELL, BEDARKAR, HUMBEL	12/82
1GF2	INSULIN-LIKE GROWTH FACTOR II MODEL	BLUNDELL, BEDARKAR, HUMBEL	12/82
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
IMMUNOGLOBULIN			
1IGE	IMMUNOGLOBULIN E (FC FRAGMENT) MODEL	E. PADLAN, D. DAVIES	1/85
1FVB	IMMUNOGLOBULIN FV B1912 MODEL	E. KABAT, E. PADLAN	4/88
2FVB	IMMUNOGLOBULIN FV B1912 MODEL	E. KABAT, E. PADLAN	4/88
1EHL	HYHEL-10 BODY, FV REGION MODEL	C. MAINHART	10/87
1FVW	IMMUNOGLOBULIN FV W3129 MODEL	E. KABAT, E. PADLAN	4/88
2FVW	IMMUNOGLOBULIN FV W3129 MODEL	E. KABAT, E. PADLAN	4/88
COMPLEX (immunoglobulin-antigen)			
2EHL	HYHEL-10/LYSOZYME COMPLEX MODEL	C. MAINHART	10/87
LIPID-ASSOCIATED PROTEIN			
1MLP	MUREIN LIPOPROTEIN MODEL	A. MCLACHLAN	8/78
HYDROLASE (acid protease)			
1HV2	HIV-1 PROTEASE MODEL	I. WEBER	3/89
HYDROLASE (metalloprotease)			
17M	THEMOLYSIN SUBSTRATE (TRANSITION) MODEL	B. MATTHEWS ET AL.	6/87
DEOXYRIBONUCLEIC ACID			
1DNW	DNA (ATCCGCTAC...) MODEL	J. SUSSMAN, E. TRIFONOV	11/82
1DN7	DNA (POLY (CG)-POLY (DC) SYNTHETIC) MODEL	M. MCCALL, T. BROWN, O. KENNARD	5/81
2NA	DNA (2-I, CGCGCG, SYNTHETIC) MODEL	A. RICH	2/87
3NA	DNA (2-II, CGCGCG, SYNTHETIC) MODEL	A. RICH	2/81

* NEW OR REPLACEMENT ENTRY SINCE JUL-89 NEWSLETTER

STATUS CODES			
BLANK	STANDARD ENTRY AVAILABLE FOR DISTRIBUTION		
A	ALPHA CARBON ATOMS ONLY		
B	BACKBONE ONLY		
R	RECENT (1987-1989) REPLACEMENT FOR AN OUT-OF-DATE PARAMETER SET		

TABLE 6. COORDINATE AND STRUCTURE FACTOR ENTRIES IN PREPARATION			
26-OCT-89			
IDENT CODE	MOLECULE	DEPOSITOR(S)	DATE/STATUS
4APR	*ACID PROTEASE (R. PEP SIN) / INHIBITOR	K. SUGUNA, D. DAVIES	8/89 P
5APR	*ACID PROTEASE (R. PEP SIN) / INHIBITOR	K. SUGUNA, D. DAVIES	8/89 P
6APR	*ACID PROTEASE (R. PEP SIN) / INHIBITOR	K. SUGUNA, D. DAVIES	8/89 P
3ACN	ACONITASE (PIG, INACTIVE)	A. ROBBINS, C. D. STOUT	12/88 H
4ACN	ACONITASE (PIG, ACTIVATED)	A. ROBBINS, C. D. STOUT	12/88 H
5WGA	AGGLUTININ (WHEAT GERM, ISOLECTIN 2)	C. WRIGHT	6/88 RP
6WGA	AGGLUTININ (WHEAT GERM, ISOLECTIN 1)	C. WRIGHT	7/88 P
7AP1	ALPHA 1-ANTITRYPSIN (MODIFIED, TETRAGONAL)	R. HUBER ET AL.	9/88 RP
8AP1	ALPHA 1-ANTITRYPSIN (MODIFIED, HEXAGONAL)	R. HUBER ET AL.	9/88 RP
9AP1	ALPHA 1-ANTITRYPSIN (MODIFIED, TETRAGONAL)	R. HUBER ET AL.	9/88 P
1P01	ALPHA-LYTIC PROTEASE / INHIBITOR	R. BONE, D. AGARD	4/89 P
1P02	ALPHA-LYTIC PROTEASE / INHIBITOR	R. BONE, D. AGARD	4/89 P
1P03	ALPHA-LYTIC PROTEASE / INHIBITOR	R. BONE, D. AGARD	4/89 P
1P04	ALPHA-LYTIC PROTEASE / INHIBITOR	R. BONE, D. AGARD	4/89 P
1P05	ALPHA-LYTIC PROTEASE / INHIBITOR	R. BONE, D. AGARD	4/89 P
1P06	ALPHA-LYTIC PROTEASE / INHIBITOR	R. BONE, D. AGARD	4/89 P
1P07	ALPHA-LYTIC PROTEASE MUTANT (M192A)	R. BONE, D. AGARD	4/89 P
1P08	ALPHA-LYTIC PROTEASE MUTANT (M192A) / INHBT. BONE, D. AGARD	R. BONE, D. AGARD	4/89 P
1P09	ALPHA-LYTIC PROTEASE MUTANT (M213A)	R. BONE, D. AGARD	4/89 P
1P10	ALPHA-LYTIC PROTEASE MUTANT (M213A) / INHBT. BONE, D. AGARD	R. BONE, D. AGARD	4/89 P
1AT1	*ASPARTATE CARBAMOYLTRANSFERASE (R STATE)	J. GOUAUX, W. LIPSOMB	8/89 P
2AT1	*ASPARTATE CARBAMOYLTRANSFERASE (R STATE)	J. GOUAUX, W. LIPSOMB	8/89 P
3AT1	*ASPARTATE CARBAMOYLTRANSFERASE (T STATE)	J. GOUAUX, W. LIPSOMB	8/89 P
8ATC	*PALA-ASPARTATE CARBAMOYLTRANSFERASE	KE, LIPSOMB, CHO, HONZATKO	8/89 P
1CA2	CARBONIC ANHYDRASE II (HUMAN)	ERIKSSON, JONES, LILJAS	2/89 P
2CA2	CARBONIC ANHYDRASE II / SCN (HUMAN)	ERIKSSON, JONES, LILJAS	2/89 P
3CA2	CARBONIC ANHYDRASE / AMS	ERIKSSON, JONES, LILJAS	10/89 P
4CPV	*CARP PARVALBUMIN	V. KUMAR, L. LEE, B. EDWARDS	5/89 P
1CBH	CELLULOBIODIOLASE I (NMR MIN AVRGD STRUC)	G. M. CLORE, A. GRONENBORN	5/89 P
2CBH	CELLULOBIODIOLASE I (NMR, 41 STRUCTURES)	G. M. CLORE, A. GRONENBORN	5/89 P
1C1A	*CHLORAMPHENICOL ACETYLTRANSFERASE (S148A)	M. GIBBS, A. LESLIE	10/89 P
1CMS	*CHYMOSEN	G. GILLILAND ET AL.	10/89 P
3GC8	*GAMMA-CHYMOTRYPSIN / CINNAMATE A	STODDARD, RINGE, PETSKO	9/89 P
4GC8	*GAMMA-CHYMOTRYPSIN / CINNAMATE B	STODDARD, RINGE, PETSKO	9/89 P
5GC8	*GAMMA-CHYMOTRYPSIN (PHOTOLYSIS)	STODDARD, RINGE, PETSKO	9/89 P
2GCR	GAMMA IV A CRYSTALLIN (BOVINE LENS)	H. DRIESSEN ET AL.	5/89 P
3CPF	CYTOCHROME P450CAM/CAMPHOR MONOOXYGENASE	R. RAAG, T. POULOS	6/89 P
5DFR	DIHYDROFOLATE REDUCTASE (E. COLI I)	J. KRAUT	10/88 P
6DFR	DIHYDROFOLATE REDUCTASE (E. COLI I) / NADP	J. KRAUT	10/88 P

7DFR	DIIHYDROFOLATE REDUCTASE/FOLATE/NADP	J. KRAUT	10/88 P
1DHF	*DIIHYDROFOLATE REDUCTASE (HUMAN) / FOLATE	J. DAVIES, J. KRAUT	10/89 P
2DFP	*DIIHYDROFOLATE REDUCTASE/5-DEAZAGUANYL	J. DAVIES, J. KRAUT	10/89 P
4ANA	A-DNA (ATCCGAATCGT)	R. CHANDRASEKHARAN	2/89 P
1DNS	DNA (GCTGTACC) / SPERMINE	M. SUNDARALINGAM	2/89 P

Table listing protein entries with columns for ID, description, author, and date. Includes entries like DNA (CGAGGCTGG), ELASTASE/DIFLUOROKETONE INHIBITR COMPLEX, ELASTASE/BORONIC ACID INHIBITOR COMPLEX, etc.

Table listing protein entries with columns for ID, description, author, and date. Includes entries like IMMUNOGLOBULIN G1 (KAPPA) DOB, INSULIN (HUMAN), INSULIN (PORCINE), etc.

* NEW OR REPLACEMENT ENTRY SINCE JUL-89 NEWSLETTER

STATUS CODES

- A ALPHA CARBON ATOMS ONLY
B BACKBONE ONLY
H HOLD FOR DELAYED RELEASE AS REQUESTED BY DEPOSITOR
N NEW ENTRY AWAITING APPROVAL BY DEPOSITOR
P IN PREPARATION
R REPLACEMENT FOR ENTRY IN TABLE 5
S STRUCTURE FACTORS

TABLE 7. PROTEIN DATA BANK, BIBLIOGRAPHIC ENTRIES (NO COORDINATES)

26-OCT-89

Table listing protein entries with columns for ID, description, author, and date. Includes entries like ACID PROTEINASE (ENDOTHIA PARASITICA), ACYL-COA DEHYDROGENASE, ADENYLATE KINASE-1, P5-DI (ADENOSINE-5 (PRIME)-)PENTAPHOSPHATE, etc.

Table listing protein entries with columns for ID, description, author, and date. Includes entries like RIBONUCLEASE A (BOVINE), RIBONUCLEASE A (BOVINE) COMPLEX WITH DNA (AAAA), RIBONUCLEASE (BOVINE SEMINAL), etc.

* NEW OR REPLACEMENT ENTRY SINCE JUL-89 NEWSLETTER

TABLE 8. CORRECTIONS TO COORDINATE ENTRIES AND PROGRAMS

26-OCT-89

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

A. ORDER CORR27FI. THERE IS NO CHARGE FOR THIS MICROFICHE WHICH CONTAINS A LISTING OF ALL CORRECTIONS APPLIED IN THE LAST THREE MONTHS.

B. ORDER A NEW COPY OF DATAPRTP.

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

Table with columns for REVDATE, date, ID, count, and description. Lists corrections for entries like 1SRXN, 4ADB1, 1RN3F, etc.

THE FOLLOWING DATA SETS HAVE BEEN REPLACED

Table with columns for OBSITE, date, ID, and replacement ID. Shows replacement of 4ADB1 with 8ADB.

Name	Date
Address	Telephone
	Electronic Mail

Check or written purchase order must be made payable to Brookhaven National Laboratory (see Method of Payment)

Items to be ordered (prices are valid until September 30, 1990)

MAGNETIC TAPE items from Table 1:			
DATAPRTP (includes all coordinate entries)			
	6250 cpi	1600 cpi	TK50
VAX/VMS BACKUP	<input type="checkbox"/> \$294	<input type="checkbox"/> \$371	<input type="checkbox"/> \$380
VAX/VMS COPY	<input type="checkbox"/> \$294	<input type="checkbox"/> \$371	<input type="checkbox"/> \$380
Unlabelled ASCII	<input type="checkbox"/> \$294	<input type="checkbox"/> \$371	
Unlabelled EBCDIC	<input type="checkbox"/> \$294	<input type="checkbox"/> \$371	
IRIS cartridge TAR tape			<input type="checkbox"/> \$391
PDBPGMTP			
VAX/VMS COPY	<input type="checkbox"/> \$294	<input type="checkbox"/> \$294	<input type="checkbox"/> \$317
STRUCTURE FACTOR TAPES each tape ordered costs \$294			
<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	
Choose one format for STRUCTURE FACTOR tapes			
Unlabelled ASCII	<input type="checkbox"/> 6250 cpi	<input type="checkbox"/> 1600 cpi	
Unlabelled EBCDIC	<input type="checkbox"/> 6250 cpi	<input type="checkbox"/> 1600 cpi	
MICROFICHE items (from Table 2). Each microfiche item costs \$380, postage included. Correction fiche are free.			
List Items requested:			
PRINTED LISTINGS . Each entry costs \$85, postage included.			
IDENT Code(s) (from Table 5) requested:			

Please total all the charges applicable to this order. All prices are expected to be valid through September 30, 1990. After that date please confirm prices.

Bank charges (\$40 if check not in U.S. dollars drawn on U.S. bank, otherwise no charge)	
Foreign air mail charges (charge of \$19 per tape item mailed outside U.S. and Canada)	
Magnetic tape charges:	
Microfiche charges:	
Printed listing charges:	
TOTAL COST:	

(continued on the next page)

DOCUMENTATION desired (no charge)

- Introduction to the Protein Data Bank (April 1988)
- Latest Newsletter
- Atomic Coordinate and Bibliographic Entry Format Description for DATAPRTP and DATAPRFI (March 1989)
- Current DATAPRTP Directory
- Sources of Visual Aids for Macromolecular Structure (January 1989)
- Non-Standard Entries (Structure Factors) Format Description
- Data Deposition Form

SPECIAL ORDER items (described in Table 1) requested. Please inquire at Brookhaven for availability and price.

YEAR88TP	CONECTTP	DSTNCETP
PART89TP	DGPLOTP	FISIPLTP
BENDERTP	DIHDRLTP	PHIPSITP

ENTERING AN ORDER:

- Brookhaven **requires that either a written purchase order or check payable to**

BROOKHAVEN NATIONAL LABORATORY

and the order form be received before service is provided. If using facsimile, the original order forms and purchase orders must also be sent to Brookhaven by mail.

- Please return **order form** (including a self addressed label) to

BROOKHAVEN NATIONAL LABORATORY
Chemistry Department - Bldg. 555
Ms. F. C. Bernstein
Upton, New York 11973 USA

Telephone: 516-282-4382
Facsimile: 516-282-5815

To ensure proper handling, it is advisable for users to send an additional copy of this order form directly to Brookhaven; experience shows that purchasing departments often do not forward the original with the purchase order.

METHOD OF PAYMENT:

- **WIRE TRANSFER:**

The most convenient method of payment is by wire transfer. In order to use a wire transfer, Brookhaven must receive a purchase order with the order form before service is provided. Once you have received our invoice, a wire transfer can be sent through your bank to:

Bank: Barclays of New York
Branch: Upton, New York 11973
Account Name: Brookhaven National Laboratory
Customer Account Number: 9850021889

- **CHECKS** made out to **BROOKHAVEN NATIONAL LABORATORY** are also welcome.