

With the start of our new fiscal year, we are announcing new charges for Protein Data Bank services. The new charges, which are effective immediately, are detailed on the order form (pages 5 and 6).

The Cambridge distribution center wishes to hear from its customers (or potential customers) as to whether they would like to be able to order ANSI-labelled FILES-11 format tapes from Cambridge, when these become available. Please send any comments to Dr. S. Bellard with a copy of this correspondence to the Protein Data Bank at Brookhaven.

Brookhaven is now connected to the BITNET network. Protein Data Bank Users can send and receive messages via BITNET using the address ABOLA@BNL.

Inquiries may be addressed to any of the persons listed below. The order form on pages 5-6 of this Newsletter may be used to order data from Brookhaven or Cambridge; users in Australia or Japan should contact their centers for detailed information.

Area	Address of Center	Name	
The Americas	Protein Data Bank	E. E. Abola	516-282-4383
	Chemistry Department	F. C. Bernstein	516-282-4382
	Brookhaven National Laboratory Upton, New York 11973, USA	T. F. Koetzle	516-282-4384
Europe and Worldwide	University Chemical Laboratory	O. Kennard	0223-66499
	Lensfield Road	S. Bellard	
	Cambridge CB2 1EW, England	G. Weber	
Australia	CSIRO Central Information Service P. O. Box 89, East Melbourne Victoria 3002, Australia	T. Graddon	03-418-7266
Japan	Institute for Protein Research	Y. Katsube	(06) 877-5111
	Osaka University Yamadaoka, 3-2, Suita, Osaka 565, Japan	K. Yoshida	ext. 3912

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

CODE	ITEM	24-OCT-85			
		AVAILABILITY	US	UK	JA AUS
DATAPRT	ALL CURRENT COORDINATE ENTRIES (TABLE 7), ALL CURRENT PROGRAMS (TABLE 3), ALL CURRENT BIBLIOGRAPHIC ENTRIES (TABLE 9 - NO COORDINATES IN BIB ENTRIES)	X	X	X	X
YEAR81PT	NEW OR REVISED COORDINATE ENTRIES FOR 1981	X	X		
PART81PT	NEW OR REVISED COORDINATE ENTRIES 1985 (TO DATE)	X			
NONST1PT	STRUCTURE FACTOR HOLDINGS (PART 1 - TABLE 4)	X	X	X	
NONST2PT	STRUCTURE FACTOR HOLDINGS (PART 2 - TABLE 5)	X	X	X	
NONST3PT	STRUCTURE FACTOR HOLDINGS (PART 3 - TABLE 6)	X	X	X	
BENDERPT	PARAMETERS FOR BENT-WIRE MODELS	X			
BLDKITPT	MODEL BUILDER'S KIT		PLEASE INQUIRE AT US CENTER		
CONNECTPT	CONNECTIVITY SPECIFICATIONS FOR ALL ATOMS	X			
DGLOTFPT	DIAGONAL PLOTS (LINE PRINTER)	X			
D1HDLRTP	COMPLETE TORSION ANGLES	X			
DSTNGCTPT	CONNECTIVITY SPECIFICATIONS WITH DISTANCES	X			
F1S1PLPT	PHI/PSI PLOTS (LINE PRINTER)	X			
PH1PS1PT	LISTS OF PHI/PSI/OMEGA VALUES	X			

* NEW OR REPLACEMENT ENTRY SINCE JUL-85 NEWSLETTER

TABLE 2. PROTEIN DATA BANK, INFORMATION AVAILABLE ON MICROFICHE

CODE	ITEM	24-OCT-85			
		AVAILABILITY	US	UK	JA AUS
DATAPRF1	ALL CURRENT COORDINATE ENTRIES (TABLE 7), ALL CURRENT PROGRAMS (TABLE 3), ALL CURRENT BIBLIOGRAPHIC ENTRIES (TABLE 9 - NO COORDINATES IN BIB ENTRIES)	X	X	X	
YEAR84F1	NEW OR REVISED COORDINATE ENTRIES FOR 1984	X			
PART85F1	NEW OR REVISED COORDINATE ENTRIES 1985 (TO DATE)	X			
NONSTF1	STRUCTURE FACTOR HOLDINGS (PART 1 - TABLE 4)	X	X	X	
NONSTF2	STRUCTURE FACTOR HOLDINGS (PART 2 - TABLE 5)	X	X	X	
NONSTF3	STRUCTURE FACTOR HOLDINGS (PART 3 - TABLE 6)	X	X	X	
CORR85F1	LIST OF CORRECTIONS NO. 16 (JAN/85 - JUL/85)	X	X	X	
BENDERF1	PARAMETERS FOR BENT-WIRE MODELS	X			
BLDKITF1	MODEL BUILDER'S KIT		PLEASE INQUIRE AT US CENTER		
CONNECTF1	CONNECTIVITY SPECIFICATIONS FOR ALL ATOMS	X			
DGLOTF1	DIAGONAL PLOTS (LINE PRINTER)	X			
D1HDLRF1	COMPLETE TORSION ANGLES	X			
DSTNGCF1	CONNECTIVITY SPECIFICATIONS WITH DISTANCES	X			
F1S1PLF1	PHI/PSI PLOTS (LINE PRINTER)	X			
PH1PS1F1	LISTS OF PHI/PSI/OMEGA VALUES	X			

* NEW OR REPLACEMENT ENTRY SINCE JUL-85 NEWSLETTER

TABLE 3. PROTEIN DATA BANK, AVAILABLE PROGRAMS

NAME	PURPOSE	AUTHOR(S)	24-OCT-85	
			REV DATE/	SUPPORTED
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
CHEK	CHEK CHIRALITY	E.ABOLA	1/82	YES
CONNECT	GENERATE FULL CONNECTIVITY	F.BERNSTEIN	8/82	YES
CONCTC	INTERMOLECULAR CONTACTS	L.ANDREWS	5/83	NO
DGLOPT	DIAGONAL PLOTS ON PRINTER	E.SWANSON,F.BERNSTEIN	1/83	YES
D1HDLR	COMPLETE TORSION ANGLES	E.ABOLA	3/80	YES
DIRCTRY	DIRECTORY OF JOB DISTRIBUTION TAPE	E.ABOLA	5/84	YES
DSSP	SECONDARY STRUCTURE, SOLVENT EXPOSURE	H.KABSCH,C.SANDER	12/83	NO
DSTNCE	CALC DISTANCES FROM CONECT RECORDS	F.BERNSTEIN	8/82	YES
F1S1PL	PHI/PSI PLOTS ON PRINTER	F.BERNSTEIN	5/79	YES
LSM	COLOR-CODED ALPHA-CARBON MODELS	R.MATELA,R.FLETTERICK	3/82	NO
NAMDD	BALL-AND-STICK MODEL DISPLAY	Y.BEPPU	11/78	NO
PH1PS1	MAIN-CHAIN TORSION ANGLES	ANDREWS,WILLIAMS,BERNSTEIN	2/79	YES
REFMT	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
TAPOIR	PRINT DIRECTORY OF TAPE CONTENTS	H.BERNSTEIN,F.BERNSTEIN	11/79	YES
THEOD	MEASURE COORDINATES WITH THEODOLITE	L.LEBIDDA	1/82	NO
TORSRU	COMPLETE TORSION ANGLES	G.REEKE	10/79	NO
TOTALS	VALIDATION OF MASTER RECORD	L.ANDREWS,F.BERNSTEIN	3/82	YES

* NEW OR REPLACEMENT ENTRY SINCE JUL-85 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 (PART 1, SEE ALSO TABLES 5,6)

IDENT CODE	MOLECULE	DEPOSITOR	24-OCT-85	
			DATE/	CODE
RIACTSF	ACTINIIDIN	E.BAKER	7/77	SF
CHYMOF	ALPHA-CHYMOTRYPSIN (TOSYL)	D.BLOW	4/73	SF
RCARPO4	CALCIUM-BINDING PARVALBUMIN	R.KRETSINGER	2/74	SF
RCARPO5	CALCIUM-BINDING PARVALBUMIN	R.KRETSINGER	2/74	SF
R2BC5CF	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
RCYC5B01	CYTOCHROME C550	R.TIMKOVICH	4/76	SF
R1ZNASF	DNA (A, D-1000-CCGG)SPACE GROUP P 21	H.DREW,R.DICKERSON	1/81	SF
R1BNASF	DNA (B, CGCGAATTCGG, SYNTHETIC, 16 DEG K)	H.DREW,R.DICKERSON	1/81	SF
RGPD04	GLYCERALDEHYDE-3-P-DEHYDROGENASE (LOBSTR)	M.ROSSMANN	8/75	SF
RG2PDSF	AP0-GLYCERALDEHYDE-3-P-DEHYDROGENASE	M.ROSSMANN	12/79	SF
R2M4BSF	HEMOGLOBIN (HORSE, AQUO MET AND CO)	LADNER,HEIDNER,PERUTZ	6/80	SF
R1FDHSF	HEMOGLOBIN (HUMAN, FETAL, DEOXY)	J.FRIER	6/80	SF
RHUNDE02	HEMOGLOBIN (HUMAN, DEOXY)	H.PERUTZ,G.FERMI	5/75	SF
LAMPYR1	HEMOGLOBIN (LAMPREY)	HENDRICKSON,LOVE,KARLE	5/73	SF
RLDH06	LACTATE DEHYDROGENASE	M.ROSSMANN	8/75	SF
RLDH07	LACTATE DEHYDROGENASE/NAD/PYRUVATE	M.ROSSMANN	8/75	SF
RLDLHSF	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
RNETMYSF1	MYOGLOBIN (SPERM WHALE, MET)	T.TAKANO	6/76	SF
ROEMYSF1	MYOGLOBIN (SPERM WHALE, DEOXY)	T.TAKANO	6/76	SF
R4TNASF	TRANSFER RNA (YEAST, PHE)	A.JACK,J.LADNER,A.KLUG	6/80	SF

SF STRUCTURE FACTORS

TABLE 5. PROTEIN DATA BANK, STRUCTURE FACTOR HOLDINGS (PART 2, SEE ALSO TABLES 4,6)

IDENT CODE	MOLECULE	DEPOSITOR	24-OCT-85	
			DATE/	CODE
R1ICBSF	CALCIUM-BINDING PROTEIN (INTESTINAL)	D.SZEBENYI,K.MOFFAT	7/83	SF
R1ICRSF	CYTOCHROME C (RICE)	H.OCHI,N.TAKANO	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 (B, D-1000-CCGG)SPACE GROUP P 21	B.CONNER,R.DICKERSON	6/82	SF
R2BNASF	DNA (B, CGCGAATTCGG, SYNTHETIC, 16 DEG K)	H.DREW,R.DICKERSON	11/81	SF
R3BNASF	DNA (B, 9-BR-CGCGAATTCGG, 20 DEG C)	KOPKA,FRATINI,DICKERSON2	8/82	SF
R4BNASF	DNA (B, 9-BR-CGCGAATTCGG, 7 DEG C)	KOPKA,FRATINI,DICKERSON2	8/82	SF
R5BNASF	DNA (B, CGCGAATTCGG, SYNTHETIC)/CISPLATIN	WING,PURJA,DREW,DICKSON	8/83	SF
R1GAA5F	GLUTAMINASE-ASPARAGINASE (ACINETOBACTER)	H.AMNON	12/82	SF
R1GAA5F	GLUTAMINASE-ASPARAGINASE (PSEUDOMONAS 7A)	H.AMNON	12/82	SF
R1HMO5F	HEMERYTHRIN (MET)	STENKAMP,SIEKER,JENSEN	2/83	SF
R1H25F	HEMERYTHRIN (AZIDO, MET)	STENKAMP,SIEKER,JENSEN	2/83	SF
R2IN55F	INSULIN (BOVINE, 2-ZINC)DES-PHE B1	C.REYNOLDS,G.DOODSON	5/82	SF
R1LH15F	LEGHEMOGLOBIN (ACETATE MET)	VAINSCHTEIN,HARUTYUNYAN	4/82	SF
R2LH15F	LEGHEMOGLOBIN (ACETATE, MET)	VAINSCHTEIN,HARUTYUNYAN	4/82	SF
R1LH25F	LEGHEMOGLOBIN (AQUO MET)	VAINSCHTEIN,HARUTYUNYAN	4/82	SF
R2LH25F	LEGHEMOGLOBIN (AQUO MET)	VAINSCHTEIN,HARUTYUNYAN	4/82	SF
R1LH35F	LEGHEMOGLOBIN (CYANO MET)	VAINSCHTEIN,HARUTYUNYAN	4/82	SF
R2LH35F	LEGHEMOGLOBIN (CYANO MET)	VAINSCHTEIN,HARUTYUNYAN	4/82	SF
R1LH45F	LEGHEMOGLOBIN (DEOXY)	VAINSCHTEIN,HARUTYUNYAN	4/82	SF
R2LH45F	LEGHEMOGLOBIN (DEOXY)	VAINSCHTEIN,HARUTYUNYAN	4/82	SF
R1LH55F	LEGHEMOGLOBIN (FLUORO MET)	VAINSCHTEIN,HARUTYUNYAN	4/82	SF
R2LH55F	LEGHEMOGLOBIN (FLUORO MET)	VAINSCHTEIN,HARUTYUNYAN	4/82	SF
R1LH65F	LEGHEMOGLOBIN (NICOTINATE MET)	VAINSCHTEIN,HARUTYUNYAN	4/82	SF
R2LH65F	LEGHEMOGLOBIN (NICOTINATE MET)	VAINSCHTEIN,HARUTYUNYAN	4/82	SF
R1LH75F	LEGHEMOGLOBIN (FERRO)/NITROSOBENZENE	VAINSCHTEIN,HARUTYUNYAN	4/82	SF
R2LH75F	LEGHEMOGLOBIN (FERRO)/NITROSOBENZENE	VAINSCHTEIN,HARUTYUNYAN	4/82	SF
R1LYM5F	LYSOZYME (HEN EGG-WHITE, MONOCLINIC)	HOGLE,RAO,SUNDARALINGAM7	8/82	SF
R1MLT5F	MELTITIN	TERWILLIGER,EISENBERG	8/81	SF
R1OV05F	OVOMUCOID FRAGMENT	E.PAPANIKOS,R.HUBER	1/82	SF
R2B25F	PROPHOSPHOLIPASE A2 (BOVINE)	D.JUKSTRA,HOL,DRENTH	9/81	SF
R1PYP5F	INORGANIC PYROPHOSPHATASE	E.HARUTYUNYAN ET AL.	2/83	SF
R1RN35F	RIBONUCLEASE A	BORKAKOTI,MOSS,PALMER	6/82	SF
R3TLN5F	THERMOLYSIN (NATIVE)	B.MATTHEWS,M.HOLMES	2/82	SF
R2PTN5F	TRYPSIN (ORTHORHOMBIC, 2.4M (NH4)2SO4)	J.WALTER,R.HUBER	10/81	SF
R1TP5F	TRYPSIN (TRIGONAL, 1M)	J.WALTER,R.HUBER	9/82	SF
R3PTN5F	TRYPSIN (TRIGONAL, 1M (NH4)2SO4)	J.WALTER,R.HUBER	10/81	SF
R3PTB5F	TRYPSIN (BENZAMIDINE INHIBITED)	BODE,SCHWAGER,WALTER	9/82	SF
R1TPP5F	TRYPSIN/P-AMIDINO-PHENYL-PYRUVATE	WALTER,BODE,HUBER	9/82	SF
RMPT15F	TRYPSIN INHIBITOR (BOVINE, PANCREAS)	R.HUBER,J.DEISENHOFER	9/82	SF
R2PTC5F	TRYPSIN/TRYPSIN INHIBITOR COMPLEX	R.HUBER,J.DEISENHOFER	9/82	SF
R1TPAS5F	TRYPSIN (ORTHORHOMBIC)/TRYPSIN INHIBITOR	HUBER,BODE,DEISENHOFER	9/82	SF
R2TG5F	TRYPSIN (2.4M MGSO4)	J.WALTER,R.HUBER	10/81	SF
R1TG65F	TRYPSIN (0.5 CH3OH, .5 H2O)	J.WALTER,R.HUBER	10/81	SF
R1TG75F	TRYPSIN (1.73 DEG K, .7 CH3OH, .3 H2O)	J.WALTER,R.HUBER	10/81	SF
R2TG85F	TRYPSIN (1.03 DEG K, .7 CH3OH, .3 H2O)	J.WALTER,R.HUBER	10/81	SF
R2TG95F	TRYPSIN (1.03 DEG K, .7 CH3OH, .3 H2O)	R.HUBER	9/82	SF
R3TP15F	TRYPSIN (ORTHORHOMBIC) INHIBITOR	R.HUBER ET AL.	9/82	SF
R2TP15F	TRYPSIN (ORTHORHOMBIC) INHIBITOR	R.HUBER ET AL.	9/82	SF
R1TG55F	TRYPSIN (ORTHORHOMBIC) INHIBITOR	R.HUBER ET AL.	9/82	SF

SF STRUCTURE FACTORS

TABLE 6. PROTEIN DATA BANK, STRUCTURE FACTOR HOLDINGS (PART 3, SEE ALSO TABLES 4,5)

IDENT CODE	MOLECULE	DEPOSITOR	24-OCT-85	
			DATE/	CODE
R1CAT5F	CATALASE (BEEF LIVER)	M.ROSSMANN	11/81	SF
R1RCH4SF	ALPHA-CHYMOTRYPSIN (BOVINE)	H.TSUKADA,D.BLOW	11/84	SF
RG2G5F	GAMMA-CHYMOTRYPSIN	COHEN,DAVIES,SILVERTON	7/84	SF
R1CYPSF	CYTOCHROME C PEROXIDASE (YEAST)	F.INZEL,POULOS,KRAUT	11/83	SF
R2C25F	CYTOCHROME C2 (OXIDIZED)	BHATIA,F.INZEL,KRAUT	11/83	SF
R3C25F	CYTOCHROME C2 (REDUCED)	BHATIA,F.INZEL,KRAUT	11/83	SF
R2ANASF	*DNA (A, CGGGCCCC, SYNTHETIC)	MCCALL,BROOK,KENNARD	8/85	SF
R2BNASF	DNA (B, CGCGAATTCGG, SYNTHETIC)/NETROPSIN	M.KOPKA,R.DICKERSON	8/84	SF
R7BNASF	DNA (B, CGCGAATTCGG, ANISO TEMP FACTORS)	HOLBROOK,DICKERSON,KIM	1/85	SF
R1FX15F	FLAVODOXIN (D. VULGARIS, UNREFINED)	WATENPAUGH,SIEKER,JENSON10	8/84	SF
R1GP15F	*GLUTATHIONE PEROXIDASE (BOVINE)	O.EPP,R.LADENSTEIN	6/85	SF
R2H45F	HEMOGLOBIN (HUMAN, DEOXY)	G.FERMI,H.PERUTZ	3/84	SF
R1H405F	HEMOGLOBIN (HUMAN, OXY)	B.SHAAMAN	3/84	SF
R1MCP5F	IGA F(B1(KAPPA)MCP603	G.COHEN ET AL.	7/84	SF
R2MCP5F	IGA F(B1(KAPPA)MCP603/PHOSPHOCHOLINE	PADLAN,COHEN,DAVIES	10/84	SF
R1PFC5F	IGG PFC FRAGMENT	S.BRYANT ET AL.	4/85	SF
R1LZ15F	LYSOZYME (HEN EGG-WHITE, TRICLINIC)	HOSDN,BRAN,SIEKER,JENSON	4/85	SF
R1M805F	MYOGLOBIN (SPERM WHALE, OXY)	S.PHILLIPS	3/84	SF
R2OV05F	*OVOMUCOID THIRD DOMAIN (SILVER PHEASANT)	H.BODE,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
RRP15FX	PTI (X-RAY)	A.WLODAWER,R.HUBER	10/84	SF
RRP15FN	PTI (NEUTRON)	A.WLODAWER,R.HUBER	10/84	SF
RFRS45F	RIBONUCLEASE A (X-RAY)	A.WLODAWER	6/85	SF
RFRS45FN	RIBONUCLEASE A (NEUTRON)	A.WLODAWER	6/85	SF
RFRXN5F	RUBREDOXIN (C. PASTEURIANUM)	WATENPAUGH,SIEKER,JENSON10	8/84	SF
R2V5B5F	VRUS COAT PROTEIN (SBMV, T=1)	M.ROSSMANN	4/85	SF
R4SBV5F	VRUS COAT PROTEIN (SOUTHERN BEAN MOSAIC)M.ROSSMANN	M.ROSSMANN	4/85	SF

* NEW OR REPLACEMENT ENTRY SINCE JUL-85 NEWSLETTER

SF STRUCTURE FACTORS

TABLE 7. PROTEIN DATA BANK, ATOMIC COORDINATE HOLDINGS

IDENT CODE	MOLECULE	DEPOSITOR(S)	DATE/STATUS	
2RHE	IMMUNOGLOBULIN B-J FRAGMENT (V-MINMER) RHE	FUREY, WANG, YOO, SAX	6/83	
1FC1	IMMUNOGLOBULIN FC (HUMAN)	J. DEISENHOFER	5/81	
1FC2	IMMUNOGLOBULIN FC-FRAGMENT B COMPLEX	J. DEISENHOFER	5/81	
1PFC	IGG PFC FRAGMENT	L. M. AMZEL	10/81	
1IMN	IMMUNOGLOBULIN I (LAMBDA) KOL	M. MARQUART, R. HUBER	5/83	
1INS	INSULIN (PORCINE, 2-ZINC)	G. DODSON, D. HODGKIN	7/80	
2INS	INSULIN (BOVINE, 2-ZINC) DES-PHE B1	C. RYNGOLDS, G. DODSON	5/82	
2PKA	KALLIKREIN A (PORCINE)	B. WODE, Z. CHEN	5/84	
2KAI	KALLIKREIN A (PORCINE)/PTI (BOVINE)	W. BODE, Z. CHEN	5/84	
1KGA	KOPF ADENYLATE KINASE	A. TULINSKY	5/78	
IKES	KERATIN SULFATE	S. ARNOTT	10/82	
4LDH	LACTATE DEHYDROGENASE (DOGFISH)	M. EVENTOFF, M. ROSSMANN	4/77	
3LDH	LACTATE DEHYDROGENASE/NAD/PYRUVATE (DOGFISH)	J. ROSSMANN	11/74	
5LDH	LACTATE DEHYDROGENASE/S-LAC/NAD (PIG)	U. GRAS, M. ROSSMANN	10/80	
1LDX	LACTATE DEHYDROGENASE (MOUSE TESTES)	W. MAUSICK, M. ROSSMANN	9/78	
1LH1	LEHEMOGLOBIN (ACETATE MET)	VAINShteIN, HARUTYUNYAN	4/82	
2LH1	LEHEMOGLOBIN (ACETATE MET)	VAINShteIN, HARUTYUNYAN	4/82	
1LH2	LEHEMOGLOBIN (AQUO MET)	VAINShteIN, HARUTYUNYAN	4/82	
2LH2	LEHEMOGLOBIN (AQUO MET)	VAINShteIN, HARUTYUNYAN	4/82	
1LH3	LEHEMOGLOBIN (CYANO MET)	VAINShteIN, HARUTYUNYAN	4/82	
2LH3	LEHEMOGLOBIN (CYANO MET)	VAINShteIN, HARUTYUNYAN	4/82	
1LH4	LEHEMOGLOBIN (DEOXY)	VAINShteIN, HARUTYUNYAN	4/82	
1LH5	LEHEMOGLOBIN (FLUORO MET)	VAINShteIN, HARUTYUNYAN	4/82	
2LH5	LEHEMOGLOBIN (FLUORO MET)	VAINShteIN, HARUTYUNYAN	4/82	
1LH6	LEHEMOGLOBIN (NICOTINATE MET)	VAINShteIN, HARUTYUNYAN	4/82	
2LH6	LEHEMOGLOBIN (NICOTINATE MET)	VAINShteIN, HARUTYUNYAN	4/82	
1LH7	LEHEMOGLOBIN (FERRO)/NITROSOBENZENE	VAINShteIN, HARUTYUNYAN	4/82	
2LH7	LEHEMOGLOBIN (FERRO)/NITROSOBENZENE	VAINShteIN, HARUTYUNYAN	4/82	
1LH8	LEHEMOGLOBIN (FERRO)/NITROSOBENZENE	VAINShteIN, HARUTYUNYAN	4/82	
1LH9	LEHEMOGLOBIN (FERRO)/NITROSOBENZENE	VAINShteIN, HARUTYUNYAN	4/82	
1LH0	LEHEMOGLOBIN (FERRO)/NITROSOBENZENE	VAINShteIN, HARUTYUNYAN	4/82	
1LH1	LEHEMOGLOBIN (FERRO)/NITROSOBENZENE	VAINShteIN, HARUTYUNYAN	4/82	
1LH2	LYSOZYME (HEN EGG-WHITE, SET H2)	R. DIAMOND, D. PHILLIPS	2/75	
1LH3	LYSOZYME (HEN EGG-WHITE, SET R550)	R. DIAMOND, D. PHILLIPS	2/75	
3LH3	LYSOZYME (HEN EGG-WHITE, SET R56A)	R. DIAMOND, D. PHILLIPS	2/75	
4LH3	LYSOZYME (HEN EGG-WHITE, SET R59A)	R. DIAMOND, D. PHILLIPS	2/75	
5LH3	LYSOZYME (HEN EGG-WHITE, SET R512A)	R. DIAMOND, D. PHILLIPS	2/75	
6LH3	LYSOZYME (HEN EGG-WHITE, SET R516)	R. DIAMOND, D. PHILLIPS	2/75	
7LH3	LYSOZYME (HEN EGG-WHITE, SET R516)	R. DIAMOND, D. PHILLIPS	2/75	
1LH4	LYSOZYME (HEN EGG-WHITE, TRICLINIC)	A. YONCHIK, H. HODDSON	6/77	
1LH5	LYSOZYME (HEN EGG-WHITE, TRICLINIC)	HODDSON, BROWN, SIEKER, JENSEN	4/85	
1LH6	LYSOZYME (HEN EGG-WHITE, INACTIVATED)	S. OATLEY	9/77	
9LH7	LYSOZYME (HEN, NAM-NAG-NAM SUBSTRATE ONLY)	J. KELLY, M. JAMES	12/79	
1LH8	LYSOZYME (HEN EGG-WHITE, MONOCLINIC)	ARTYMIUK, BLAKE, RICE, WILSON	6/81	
2LH8	LYSOZYME (HEN EGG-WHITE, ORTHORHOMBIC)	ARTYMIUK, BLAKE, RICE, WILSON	6/81	
1LH9	LYSOZYME (HEN EGG-WHITE, MONOCLINIC)	HOGLE, RAO, N. HARUTYUNYAN	7/82	
1LH0	LYSOZYME (HUMAN)	R. ARTYMIUK, C. BLAKE	10/84	
1LH1	LYSOZYME (TURKEY EGG-WHITE)	R. BOTT, R. SARMA	9/81	
2MHD	MELTIN DEHYDROGENASE	J. BIRKTOFT, L. BANASZAK	8/83	
1MHT	MELTIN	TERNILLI, GER, EISENBERG	3/81	
1M1E	COLZIN METALLOTHIONEIN (ISOFORM I)	C. STOUT	6/85	
1MBS	MYOGLOBIN (SEAL, MET)	H. SCOULOUDI	3/79	
1MNB	MYOGLOBIN (SPERM WHALE, MET)	W. WOLAN	4/73	
2MNB	MYOGLOBIN (SPERM WHALE, MET)	T. TAKANO	9/76	
3MNB	MYOGLOBIN (SPERM WHALE, DEOXY)	T. TAKANO	9/76	
1MBO	MYOGLOBIN (SPERM WHALE, OXY)	S. PHILLIPS	8/81	
1MBO	MYOGLOBIN (SPERM WHALE, OXY)	S. PHILLIPS	8/81	
1MBS	MYOGLOBIN (SPERM WHALE, CO-NEUTRON)	HANSON, NORVELL, SCHOENBORN	11/82	
1MHR	MYOHEMERYTHRIN	W. HENDRICKSON	6/76	
1NKB	NEUROTOXIN B (LATICAUDA SEMIFASCIATA)	D. TSENGLOU, G. PETSKO	8/80	
1NBS	SCORPION NEURYSIN (ARIZONA 3)	A. BUGG ET AL.	12/82	
10VO	OVOMUCOID THIRD DOMAIN (JAPANESE QUAIL)	E. PAPANIKOLAOS, R. HUBER	1/82	
20VO	OVOMUCOID THIRD DOMAIN (SILVER PHEASANT)	W. BODE, O. EPP	6/85	
1PPT	AVIAN PANCREATIC POLYPEPTIDE	T. BLUNDELL	11/81	
8PAP	PAPAIN (NATIVE)	J. DRENTH	1/76	
1PAD	PAPAIN (ACE-A-ALA-PHE-ALA, CYS-25)	J. DRENTH	11/76	
2PAD	PAPAIN (CYS DERIV OF CYS-25)	J. DRENTH	11/76	
3PAD	PAPAIN (OXIDIZED CYS-25)	J. DRENTH	11/76	
4PAD	PAPAIN (TOS-LYS, CYS-25)	J. DRENTH	11/76	
5PAD	PAPAIN (BZOXY-GLY-PHE-GLY, CYS-25)	J. DRENTH	11/76	
1PPD	PAPA D	J. JANSONIUS	10/78	
1PEP	PEPSIN (PORCINE)	N. ANDREJEVA ET AL.	7/78	
3PKG	PHOSPHOGLYCERATE KINASE (YEAST)	H. WATSON	9/82	
2PKG	PHOSPHOGLYCERATE KINASE (HORSE)	P. EVANS, C. BLAKE	7/85	
3PKM	PHOSPHOGLYCERATE MUTASE	H. WATSON	4/82	
1BP2	PHOSPHOLIPASE A2 (BOVINE)	B. DIJKSTRA, J. DRENTH	4/81	
2BP2	PHOSPHOLIPASE A2 (BOVINE)	B. DIJKSTRA, J. DRENTH	6/81	
3BP2	PHOSPHOLIPASE A2 (BOVINE) TRANSAMINATED	B. DIJKSTRA, J. DRENTH	6/83	
1P2P	PHOSPHOLIPASE A2 (PORCINE)	B. DIJKSTRA ET AL.	6/83	
1PCY	PLASTOCYANIN (POPLAR, CU2+)	J. GUSS, H. FREEMAN	8/80	
2PCY	PLASTOCYANIN (POPLAR, APD)	GARRETT, GUSS, FREEMAN	11/83	
2PAB	PREALBUMIN (HUMAN, PLASMA)	S. OATLEY, C. BLAKE	9/77	
2S6A	PROTEINASE A (STREPTOMYCES) OMTK3	M. JAMES, A. SIELECKI	1/83	
3S6B	PROTEINASE B (STREPTOMYCES) OMTK3	A. SIELECKI ET AL.	1/83	
3RP2	PROTEINASE I (RAT MAST CELL)	S. REMINGTON, B. MATTHEWS	9/84	
1PFP	PROTEINASE G (PROPHOSPHATASE)	E. HARUTYUNYAN ET AL.	2/83	
1PYK	PYRUVATE KINASE (CAY)	H. MUIRHEAD	1/84	
1RH0	RIBONUCLEASE	H. WOL	12/77	
5RS1	RIBONUCLEASE A (X-RAY+NEUTRON)	A. HLODADER	4/85	
1RN3	RIBONUCLEASE A	BORKAKOTI, MOSS, PALMER	10/81	
1RN5	RIBONUCLEASE S	H. RYCKOFF, F. RICHARDS	4/73	
5RN6	RUBREDOXIN (ESTERUINAMUM, UNCONSTR REF)	K. WATENPAUGH, SIEKER, JENSEN	10/84	
5RXN	RUBREDOXIN (C, PASTEURINAM, NRG-XIAL REF)	K. WATENPAUGH	10/84	
3RXN	RUBREDOXIN (DESULFOVIBRIUM VULGARIS)	E. ADMAN, L. SIEKER, L. JENSEN	9/80	
2SN5	STAPHYLOCOCCAL NUCLEASE	M. LEGG, F. A. COTTON, E. HAZEN	5/82	
2S51	SUBTILISIN INHIBITOR (STREPTOMYCES)	Y. MITSUI ET AL.	4/80	
1S8T	SUBTILISIN BPN PRIME	J. KRAUT	8/72	
2S8T	SUBTILISIN NOV0	J. DRENTH	9/78	
1S1T	SUBTILISIN BPN (PRIME)/SSI COMPLEX	Y. MITSUI ET AL.	4/84	
2S0D	SUPEROXIDE DISMUTASE	J. RICHARDSON, D. RICHARDSON	2/80	
3TLN	THERMOLYSIN (NATIVE)	B. MATTHEWS, M. HOLMES	3/82	
4TLN	THERMOLYSIN (L-EU-NH04)	B. MATTHEWS, M. HOLMES	2/82	
5TLN	THERMOLYSIN (MONO-BZMALONYL-A-G-NITROANL)	B. MATTHEWS, M. HOLMES	2/82	
7TLN	THERMOLYSIN (CH2CO(N-OH)LEUCO3)	B. MATTHEWS, M. HOLMES	1/83	
1SRX	THIOREDOXIN (E. COLI, OXIDIZED)	B. O. SODERBERG	5/76	
4TNA	TRANSFER RNA (YEAST, ASP)	H. ESTHOF, DURMAS, MORAS	6/85	
4TNA	TRANSFER RNA (YEAST, PHE)	A. JACK, J. LADNER, A. KLUG	4/78	
6TNA	TRANSFER RNA (YEAST, PHE)	S.-H. KIM ET AL.	11/78	
8TNA	TRANSFER RNA (YEAST, PHE)	M. SUNDLUND, INGAM	2/79	
1TIM	TRIOSE PHOSPHATE ISOMERASE	I. WILSON, D. PHILLIPS	9/76	
2TNC	TRYPANIN (C TURKEY)	O. HERZBERG, M. JAMES	2/85	
2PTN	TRYPANIN (ORTHORHOMBIC, 2.4M NH4)2S04)	J. WALTER, R. HUBER, W. BODE	10/81	
1TPO	TRYPANIN (ORTHORHOMBIC)	H. BODE, J. WALTER, R. HUBER	9/82	
3PTN	TRYPANIN (TRIGONAL, 2.4M NH4)2S04)	J. WALTER, R. HUBER, W. BODE	10/81	
3PTP	TRYPANIN (BENZAMIDINE INHIBITED)	W. BODE, P. SCHAEGER, J. WALTER	9/82	
1TTP	TRYPANIN-P-AMIDINO-PHENYL-PYRUVATE	J. WALTER, W. BODE, R. HUBER	9/82	
3PTP	TRYPANIN (DIP INHIBITED)	J. CHAMBERS, R. STROUD	12/77	
5PTP	TRYPANIN INHIBITOR (PANCROAS)	R. HUBER, J. DEISENHOFER	9/82	
5PTI	TRYPANIN INHIBITOR (BOVINE, XRAY-NEUTRON)	A. HLODADER, H. WOLAN	10/84	
2PTC	TRYPANIN/TRYPANIN INHIBITOR COMPLEX	R. HUBER, J. DEISENHOFER	9/82	
1TPA	TRYPANIN (ANHYDRO)/TRYPANIN INHIBITOR	HUBER, BODE, DEISENHOFER	9/82	
1TON	TRYPANIN	A. KOSSIAKOFF, R. STROUD	9/79	
2TGO	TRYPANIN (2.4M MG504)	J. WALTER, R. HUBER, W. BODE	10/81	
1TGO	TRYPANIN (5 CH3OH, 5 HOH)	J. WALTER, R. HUBER, W. BODE	10/81	
1TGT	TRYPANIN (173 DEG K, 7 CH3OH, 3 HOH)	J. WALTER, R. HUBER, W. BODE	10/81	
2TGT	TRYPANIN (103 DEG K, 7 CH3OH, 3 HOH)	J. WALTER, R. HUBER, W. BODE	10/81	
1TGB	TRYPANIN (WITH CA, FROM PEG)	BODE, FEHLHAMMER, HUBER	3/79	
2TGP	TRYPANIN/TRYPANIN INHIBITOR	R. HUBER ET AL.	9/82	
3TPT	TRYPANIN INHIBITOR (PTI)/ILE-VAL	R. HUBER ET AL.	9/82	
2TPI	TRYPANIN/PTI/ILE-VAL (MERCURATED)	J. WALTER, R. HUBER, W. BODE	10/81	
4TPI	TRYPANIN/ARG-15-PTI/VAL-VAL	W. BODE, J. WALTER	6/85	
1TGS	TRYPANIN/PTI	R. HUBER ET AL.	9/82	
1TS1	TRYPSIN TRANSFER RNA SYNTHETASE	BHAT, BLOW, BRICK, NYBORG	7/82	
4HNS	HEMAGGLUTININ (HUMAN, COLI)	A. MCPHERSON	11/84	
25TV	VIRUS (SATELLITE TOBACCO NECROSIS)	T. A. JONES, L. LITLJAS	5/84	
45BV	VIRUS COAT PROTEIN (SOUTHERN BEAN MOSAIC)	J. M. ROSSMANN	4/85	
2T8V	VIRUS (TOMATO BUSHY STUNT)	S. HARRISON	6/84	

continued on page 4

MODEL STRUCTURES

2ZNA	DNA (Z-I, CGCGCG, SYNTHETIC, MODEL)	A. RICH	2/81
3ZNA	DNA (Z-II, CGCGCG, SYNTHETIC, MODEL)	A. RICH	2/81
10NN	DNA (ATCGGCTAAG... MODEL)	J. SUSSMAN, E. TRIFONOV	11/82
11GE	IMMUNOGLOBULIN E (FC FRAGMENT) MODEL	E. PADLAN, D. DAVIES	1/85
10F1	INSULIN-LIKE GROWTH FACTOR I (MODEL)	BLUNDELL, BEDARKAR, HUMBEL	12/82
10F2	INSULIN-LIKE GROWTH FACTOR II (MODEL)	BLUNDELL, BEDARKAR, HUMBEL	12/82
1MLP	MUREIN LIPOPROTEIN (MODEL)	A. MCLACHLAN	8/78
1RLX	RELAXIN (MODEL, CONFORMATION A, UNREFINED)	A. EVANS, A. NORTH	3/78
2RLX	RELAXIN (MODEL, CONFORMATION B, UNREFINED)	A. EVANS, A. NORTH	3/78
3RLX	RELAXIN (MODEL, CONFORMATION A, REFINED)	A. EVANS, A. NORTH	3/78
4RLX	RELAXIN (MODEL, CONFORMATION B, REFINED)	A. EVANS, A. NORTH	3/78
1TNC	TROPONIN (CA-BINDING COMPONENT, MODEL)	R. KRETSINGER, C.D. BARRY	6/80 A

* NEW OR REPLACEMENT ENTRY SINCE JUL-85 NEWSLETTER

STATUS CODES

BLANK	STANDARD ENTRY AVAILABLE FOR DISTRIBUTION
A	ALPHA CARBON ATOMS ONLY
B	BACKBONE ONLY
R	RECENT (1984-1985) REPLACEMENT FOR AN OUT-OF-DATE PARAMETER SET

TABLE 8. COORDINATE AND STRUCTURE FACTOR ENTRIES IN PREPARATION

24-OCT-85

3APE	*ACID PROTEINASE (ENDOTHTIA PARASITICA)	T. BLUNDELL	8/85 RP
1PTE	*D-ALANYL-CARBOXYPEPTIDASE-TRANSEPTIDASE	J. KELLY, J. KNOX, P. MOEHS	10/85 AP
1GCR	*GAMMA-II CRYSTALLIN (CALF)	T. BLUNDELL	8/85 P
2CCY	*CYTOCHROME C (PRIME)	B. FINZEL ET AL.	8/85 RN
2CYP	*CYTOCHROME C PEROXIDASE (YEAST)	B. FINZEL, T. POULOS, J. KRAUT	8/85 RN
1CY3	*CYTOCHROME C3	R. HASER, M. FREY, F. PAYAN	8/85 N
2LH8	*HEMOGLOBIN (CYANO, MET, SEA LAMPREY)	HONZATO, HENDRICKSON, LOVE	8/85 RP
2MT2	*CD ₂ ZN METALLOTHIONEIN (ISOFORM II)	C.D. STOUT	10/85 RP
1RHV	*RHINOVIRUS 14 (HUMAN)	M. ROSSMANN	8/85 AP
1RSM	*LYS 7-DNP-LYS 41 RIBONUCLEASE A	B. FINZEL ET AL.	8/85 N
1RSM5F	*LYS 7-DNP-LYS 41 RIBONUCLEASE A	B. FINZEL ET AL.	8/85 SF
R2CCY5F	*CYTOCHROME C (PRIME)	B. FINZEL ET AL.	8/85 SF
R2CYP5F	*CYTOCHROME C PEROXIDASE (YEAST)	FINZEL, POULOS, KRAUT	8/85 SF

* NEW OR REPLACEMENT ENTRY SINCE JUL-85 NEWSLETTER

STATUS CODES

A	ALPHA CARBON ATOMS ONLY
B	BACKBONE ONLY
N	NEW ENTRY AWAITING APPROVAL BY DEPOSITOR
P	IN PREPARATION
R	REPLACEMENT FOR ENTRY IN TABLE 7
SF	STRUCTURE FACTORS

TABLE 9. PROTEIN DATA BANK, BIBLIOGRAPHIC ENTRIES (NO COORDINATES)

24-OCT-85

OEAP	ACID PROTEINASE (ENDOTHTIA PARASITICA)
OAF1	APOFERRITIN (HORSE)
OMAA	MITOCHONDRIAL ASPARTATE AMINOTRANSFERASE
ORNB	BARNASE (BACILLUS AMYLOLIQUEFACIENS)
OCLN	*CALMODULIN (CHICKEN)
OCDI	CALOTROPIN DI (CALOTROPIS GIGANTEA)
OPTE	D-ALANYL-CARBOXYPEPTIDASE-TRANSEPTIDASE
OZGP	D-ALANYL-D-ALANINE PEPTIDASE (Zn ²⁺ G PEPTIDASE)
OGC1	GAMMA-CHYMOTRYPSIN - INACTIVATOR COMPLEX
OCN2	CONCAVALIN A (DEMETALLIZED)
OCRO	CRO REPRESSOR
OGCR	GAMMA-CRYSTALLIN II (CALF)
OB51	CYTOCHROME C555 (CHLOROBILIUM THIOSULFATOPHILUM)
OC3A	DES-AR77-77-C3A ANAPHYLATOXIN
OCDF	DIHYDROFLATE REDUCTASE (CHICKEN LIVER)
OANB	DNA (GGTATACC)
OANB	DNA (GG-UA-UACC)
OGTC	*DNA (A, GGGGCTCC, SYNTHETIC)
ODP1	DNA POLYMERASE I
DESZ	ELASTASE COMPLEX (PIG)
GETU	ELONGATION FACTOR TU COMPLEX (E. COLI)
OFX1	FERRIDOXIN I (APHANOTHECE SACRUM)
OFX3	FLAVODOXIN (OXIDIZED, ANACYSTIS NIDULANS)
OFX2	FLAVODOXIN (REDUCED, CLOSTRIDIUM MP)
OGSP	D-GALACTOSE-BINDING PROTEIN (ESCHERICHIA COLI)
OGAP	CATABOLITE GENE ACTIVATOR PROTEIN
OGD1	D-GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE (BACILLUS STEAROTHERMOPHILUS)
OHMG	HEMAGGLUTININ
OHPI	HEMOCYANIN (PANULIRUS INTERRUPTUS)
ODCH	HEMOGLOBIN (COBALT DEOXY)
OH8G	HEMOGLOBIN (GLYCERA DIBRANCHIATA)
OPH4	P-HYDROXYBENZOATE HYDROXYLASE (PSEUDOMONAS FLUORESCENS)
DAU1	IMMUNOGLOBULIN, BENCE-JONES FRAGMENT (KAPPA) AU
OR0Y	IMMUNOGLOBULIN, BENCE-JONES FRAGMENT (V-MONOMER, KAPPA) ROY
OIG1	IMMUNOGLOBULIN G1 (KAPPA) DOB
OINH	INSULIN (HUMAN)
OIN1	INSULIN (PORCINE)
OIN2	INSULIN (PORCINE)
OIN3	DESPENTAPEPTIDE INSULIN (BEEF)
OLRP	N-TERMINAL DOMAIN OF LAMBDA REPRESSOR
OLLM	LYSOZYME (HEN EGG WHITE)
OLZ5	LYSOZYME (HEN EGG-WHITE, NEUTRON STUDY)
OLZT	LYSOZYME (HEN EGG-WHITE, HIGH-TEMPERATURE)
OLZ6	LYSOZYME (STREPTOMYCES ERYTHRAEUS)
OTEL	LYSOZYME (TORTOISE EGG-WHITE)
OCIF	L7/L12 (E. COLI, C-TERMINUS)
OB2M	BETA2-MICROGLOBULIN
OMBA	MYOGLOBIN (APLYSIA LIMACINA)
OMEM	MYOGLOBIN (SPERM WHALE, MET, TEMPERATURE STUDIES)
OMB3	MYOGLOBIN (SPERM WHALE, MET, NEUTRON STUDY)
OPFK	PHOSPHOFUCTOKINASE (BACILLUS STEAROTHERMOPHILUS)
OPP2	PHOSPHOLIPASE A2 (RATTLESNAKE)
OPPA	PHOSPHORYLASE A (RABBIT)
OPB1	PHOSPHORYLASE B (RABBIT)
OSGC	*COMPLEX (PROTEINASE A - CHYMOSTATIN)
ORX5	RELAXIN (PORCINE, MODEL)
ORSA	RIBONUCLEASE A (BOVINE)
ORBS	RIBONUCLEASE (BOVINE SEMINAL)
ORBI	RIBONUCLEASE BI (BINASE)
ORST	RIBONUCLEASE ST (STREPTOMYCES ERYTHREUS)
ORNT	RIBONUCLEASE T1-2 (PRIME)-GUANYLIC ACID (ASPERGILLUS ORYZAE)
OSBP	SULFATE-BINDING PROTEIN
OSDE	FE-SUPEROXIDE DISMUTASE (ESCHERICHIA COLI)
OSDP	FE-SUPEROXIDE DISMUTASE (PSEUDOMONAS OVALIS)
OTHI	THAUMATIN
OTI4	THIOREDOXIN REDUCTASE (BACTERIOPHAGE T4)
OFM1	INITIATOR TRANSFER RNA (E. COLI, F/MET)
OTAI	TRANSFER RNA (YEAST, ASP. A FORM)
OTRI	TRANSFER RNA (YEAST, PHE)
OMTS	METHIONYL TRANSFER RNA SYNTHETASE
OYP1	TRIOSE PHOSPHATE ISOMERASE (SACCHAROMYCES CEREVISIAE)
OUG0	*UBIQUITIN (HUMAN)
OUTG	UTEROGLOBIN (RABBIT)
OTMV	VIRUS PROTEIN DISK (TOBACCO MOSAIC) *

* NEW OR REPLACEMENT ENTRY SINCE JUL-85 NEWSLETTER

ORDER FORM (Please include a self-addressed label)

1. Name _____ Date _____
Address _____ Telephone _____

2. Documentation desired (no charge).

- Latest Newsletter
- Introduction to The Protein Data Bank (August 1985)
- Sources of Visual Aids for Macromolecular Structure (October 1984)
- Atomic Coordinate and Bibliographic Entry Format Description for DATAPRTP and DATAPRFI (January 1985)
- Current DATAPRTP Directory
- Non-Standard Entries (Structure Factors) Format Description
 - NONST1TP and NONST1FI (April 1985)
 - NONST2TP and NONST2FI (July 1985)
 - NONST3TP and NONST3FI (October 1985)
- Data Deposition form

3. Please send the following magnetic tape items (from Table 1).

DATAPRTP	<input type="checkbox"/> 6250 cpi, ASCII, \$220(£169)	<input type="checkbox"/> 6250 cpi, EBCDIC, \$220(£169)
	<input type="checkbox"/> 1600 cpi, ASCII, \$260(£200)	<input type="checkbox"/> 1600 cpi, EBCDIC, \$260(£200)
	<input type="checkbox"/> 800 cpi, ASCII, \$300(£231)	<input type="checkbox"/> 800 cpi, EBCDIC, \$300(£231)
NONST1TP	<input type="checkbox"/> 6250 cpi, ASCII, \$220(£169)	<input type="checkbox"/> 6250 cpi, EBCDIC, \$220(£169)
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	<input type="checkbox"/> 800 cpi, ASCII, \$260(£200)	<input type="checkbox"/> 800 cpi, EBCDIC, \$260(£200)
NONST2TP	<input type="checkbox"/> 6250 cpi, ASCII, \$220(£169)	<input type="checkbox"/> 6250 cpi, EBCDIC, \$220(£169)
	<input type="checkbox"/> 1600 cpi, ASCII, \$220(£169)	<input type="checkbox"/> 1600 cpi, EBCDIC, \$220(£169)
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NONST3TP	<input type="checkbox"/> 6250 cpi, ASCII, \$220(£169)	<input type="checkbox"/> 6250 cpi, EBCDIC, \$220(£169)
	<input type="checkbox"/> 1600 cpi, ASCII, \$220(£169)	<input type="checkbox"/> 1600 cpi, EBCDIC, \$220(£169)
	<input type="checkbox"/> 800 cpi, ASCII, \$260(£200)	<input type="checkbox"/> 800 cpi, EBCDIC, \$260(£200)
BENDERTP	<input type="checkbox"/> 6250 cpi, ASCII, \$220(£169)	<input type="checkbox"/> 6250 cpi, EBCDIC, \$220(£169)
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	<input type="checkbox"/> 800 cpi, ASCII, \$220(£169)	<input type="checkbox"/> 800 cpi, EBCDIC, \$220(£169)
CONNECTP	<input type="checkbox"/> 6250 cpi, ASCII, \$220(£169)	<input type="checkbox"/> 6250 cpi, EBCDIC, \$220(£169)
	<input type="checkbox"/> 1600 cpi, ASCII, \$260(£200)	<input type="checkbox"/> 1600 cpi, EBCDIC, \$260(£200)
	<input type="checkbox"/> 800 cpi, ASCII, \$300(£231)	<input type="checkbox"/> 800 cpi, EBCDIC, \$300(£231)
DGPLOTP	<input type="checkbox"/> 6250 cpi, ASCII, \$220(£169)	<input type="checkbox"/> 6250 cpi, EBCDIC, \$220(£169)
	<input type="checkbox"/> 1600 cpi, ASCII, \$220(£169)	<input type="checkbox"/> 1600 cpi, EBCDIC, \$220(£169)
	<input type="checkbox"/> 800 cpi, ASCII, \$220(£169)	<input type="checkbox"/> 800 cpi, EBCDIC, \$220(£169)
DIHRLTP	<input type="checkbox"/> 6250 cpi, ASCII, \$220(£169)	<input type="checkbox"/> 6250 cpi, EBCDIC, \$220(£169)
	<input type="checkbox"/> 1600 cpi, ASCII, \$220(£169)	<input type="checkbox"/> 1600 cpi, EBCDIC, \$220(£169)
	<input type="checkbox"/> 800 cpi, ASCII, \$260(£200)	<input type="checkbox"/> 800 cpi, EBCDIC, \$260(£200)
DSTNCETP	<input type="checkbox"/> 6250 cpi, ASCII, \$220(£169)	<input type="checkbox"/> 6250 cpi, EBCDIC, \$220(£169)
	<input type="checkbox"/> 1600 cpi, ASCII, \$260(£200)	<input type="checkbox"/> 1600 cpi, EBCDIC, \$260(£200)
	<input type="checkbox"/> 800 cpi, ASCII, \$300(£231)	<input type="checkbox"/> 800 cpi, EBCDIC, \$300(£231)
FIS1PLTP	<input type="checkbox"/> 6250 cpi, ASCII, \$220(£169)	<input type="checkbox"/> 6250 cpi, EBCDIC, \$220(£169)
	<input type="checkbox"/> 1600 cpi, ASCII, \$220(£169)	<input type="checkbox"/> 1600 cpi, EBCDIC, \$220(£169)
	<input type="checkbox"/> 800 cpi, ASCII, \$220(£169)	<input type="checkbox"/> 800 cpi, EBCDIC, \$220(£169)
PHIPSITP	<input type="checkbox"/> 6250 cpi, ASCII, \$220(£169)	<input type="checkbox"/> 6250 cpi, EBCDIC, \$220(£169)
	<input type="checkbox"/> 1600 cpi, ASCII, \$220(£169)	<input type="checkbox"/> 1600 cpi, EBCDIC, \$220(£169)
	<input type="checkbox"/> 800 cpi, ASCII, \$220(£169)	<input type="checkbox"/> 800 cpi, EBCDIC, \$220(£169)

Special Instructions (to be completed for Brookhaven requests only). Please check the appropriate box.

() We are especially interested in the pending entries with the following Ident Codes: _____ . Please delay shipment until the date _____ if any of these entries are expected to be available by that date.

() Normal order-will be processed as soon as possible.

4. Please send the following microfiche items (from Table 2). Each microfiche item costs \$182 (£140), postage included. Correction fiche are free.

<u>Item</u>	<u>Cost</u>
	Total _____

5. Please send the following printed listings. Each listing costs \$74 (£57), postage included.

<u>Ident Code</u> (From Table 7)	<u>Cost</u>
	Total _____

6. Foreign air mail postage for tapes from Brookhaven to destinations outside the U. S. and Canada or from Cambridge to destinations outside the U. K. A postage surcharge of \$16 (£17) is required per item.

Number of items x \$16.00 (£17) = _____

7. Total charges

Magnetic tape charges (3 above)	_____
Microfiche charges (4 above)	_____
Printed listing charges (5 above)	_____
Foreign air mail postage charges (6 above)	_____
Total	_____

Method of Payment:

Cambridge: Cambridge prefers that no check is sent with order. Inclusion of purchase order is desirable but not mandatory.

Brookhaven: Brookhaven requires that either a check or written purchase order payable to Brookhaven National Laboratory be received before service is provided.

() check is () enclosed
() purchase order number _____ () sent separately

Please return to

Ms. F. C. Bernstein
Chemistry Department
Brookhaven National Laboratory
Upton, New York 11973 USA

or

Dr. G. Weber
University Chemical Laboratory
Lensfield Road
Cambridge CB2 1EW, England

It is advisable to send a photocopy of this order form directly to the center filling the order; experience shows that purchasing departments often do not forward this form with the order.