

We have just found that three tapes are now required to contain all current coordinate entries, bibliographic entries and computer programs (DATAPRTP) at 800 cpi. The charge for DATAPRTP at 800 cpi will be \$266 (£222) as indicated on the attached order form. All other charges are unchanged.

The new data for B-DNA (entry 7BNA which is currently in preparation) includes anisotropic temperature factors. To accommodate this type of data we are defining record types ANISOU and SIGULJ to be included in coordinate entries where appropriate. These records contain anisotropic temperature factors and their estimated standard deviations. Details of the format of these records can be found in the January 1985 revision of the Atomic Coordinate and Bibliographic Entry Format Description.

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 Cambridge CB2 1EW, England	S. Bellard	
Australia	CSIRO Central Information Service P. O. Box 89, East Melbourne Victoria 3002, Australia	C. Garrow	03-418-7333
Japan	Institute for Protein Research Osaka University Yamadaoka, 3-2, Suita, Osaka 565, Japan	N. Yasuoka	(06) 877-5111 ext. 3912

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

CODE	ITEM	23-JAN-85			
		NO. TAPES	AVAILABILITY		
		800 1600 6250	US	UK	JA AUS
DATAPRT	ALL CURRENT PROGRAMS, BIBLIOGRAPHIC ENTRIES, COORDINATE ENTRIES (TABLES 3, 7, 9)	3	2	1	X X X X
YEAR84PT	NEW OR REVISED COORDINATE ENTRIES FOR 1984	1	1	1	X
PART85PT	NEW OR REVISED COORD ENTRIES 1985 (TO DATE)	1	1	1	X
NONST1PT	STRUCTURE FACTOR HOLDINGS (PART 1 - TABLE 4)	2	1	1	X X
NONST2PT	STRUCTURE FACTOR HOLDINGS (PART 2 - TABLE 5)	2	1	1	X X
NONST3PT	STRUCTURE FACTOR HOLDINGS (PART 3 - TABLE 6)	1	1	1	X X
BENDERTP	PARAMETERS FOR BENT-WIRE MODELS	1	1	1	X
BLDKITTP	MODEL BUILDER'S KIT				PLEASE INQUIRE AT US CENTER
CONECT1P	CONNECTIVITY SPECIFICATIONS FOR ALL ATOMS	2	1	1	X
DOPLOT1P	DIAGONAL PLOTS (LINE PRINTER)	1	1	1	X
D1HOR1PT	COMPLETE TORSION ANGLES	1	1	1	X
DSTNCTP	CONNECTIVITY SPECIFICATIONS WITH DISTANCES	2	1	1	X
FIS1PLTP	PHI/PSI PLOTS (LINE PRINTER)	1	1	1	X
PHI51PTP	LISTS OF PHI/PSI/OMEGA VALUES	1	1	1	X

* NEW OR REPLACEMENT ENTRY SINCE OCT-84 NEWSLETTER

TABLE 4. PROTEIN DATA BANK, STRUCTURE FACTOR HOLDINGS (PART 1, SEE ALSO TABLES 5,6)

IDENT CODE	MOLECULE	23-JAN-85	
		DEPOSITOR	DATE/ CODE
RIACTSF	ACIINIDIN	E. BAKER	7/77 SF
CHYM0F	ALPHA-CHYMOTRYPSIN (TOSYL)	D. BLOW	4/73 SF
RCARPOF	CALCIUM-BINDING PARVALBUMIN	R. KRETSINGER	2/74 SF
RCARPOS	CALCIUM-BINDING PARVALBUMIN	R. KRETSINGER	2/74 SF
R2B5CSF	CYTOCHROME B5	F. S. MATHEW	12/77 SF
R3CYTSF	CYTOCHROME C (ALBACORE, OXIDIZED)	T. TAKANO, R. DICKERSON	8/75 SF
R4CYTSF	CYTOCHROME C (ALBACORE, REDUCED)	T. TAKANO, R. DICKERSON	7/80 SF
RCYC5501	CYTOCHROME C550	R. TIMKOVIICH	4/76 SF
R1ZNASF	DNA (Z', CCGG, HIGH-SALT, SYNTHETIC)	H. DREH, R. DICKERSON	1/81 SF
R1BNA5F	DNA (B, CCGGAATTCGGC, SYNTHETIC, 290 DEG K)	H. DREH, R. DICKERSON	1/81 SF
R0PDD4	GLYCERALDEHYDE-3-P-DEHYDROGENASE (LOBSTR)	M. ROSSMANN	8/75 SF
R2GPDFS	APO-GLYCERALDEHYDE-3-P-DEHYDROGENASE	M. ROSSMANN	12/79 SF
R2M4BSF	HEMOGLOBIN (HORSE, AQUO MET AND CO)	LADNER, HEIDNER, PERUTZ	6/80 SF
R1FDH5F	HEMOGLOBIN (HUMAN, FETAL, DEOXY)	J. FRIER	6/80 SF
R1HMD4H2	HEMOGLOBIN (HUMAN, DEOXY)	M. PERUTZ, G. FERMI	5/75 SF
LAMPRY1	HEMOGLOBIN (LAMPREY)	H. ENRIKSSON, LOVE, KARLE	8/75 SF
RLDH07	LACTATE DEHYDROGENASE	M. ROSSMANN	8/75 SF
RLDH07	LACTATE DEHYDROGENASE/NAD/PYRUVATE	M. ROSSMANN	8/75 SF
R5LDH5F	LACTATE DEHYDROGENASE/S-LAC/NAD (PIG)	U. GRAU, M. ROSSMANN	1/81 SF
R1LZHSF	LYSOZYME (HEN EGG-WHITE, MONOCLONIC)	C. BLAKE, D. RICE	6/81 SF
R2LZHSF	LYSOZYME (HEN EGG-WHITE, ORTHORHOMBIC)	C. BLAKE, D. RICE	6/76 SF
RMETMYSF1	MYOGLOBIN (SPERM WHALE, MET)	T. TAKANO	6/76 SF
ROEMYSF1	MYOGLOBIN (SPERM WHALE, DEOXY)	T. TAKANO	3/74 SF
RUBU02	RUBREDOXIN	L. JENSEN	6/80 SF
R4TNASF	TRANSFER RNA (YEAST, PHE)	A. JACK, J. LADNER, A. KLUG	6/80 SF

CODES
SF STRUCTURE FACTORS

TABLE 2. PROTEIN DATA BANK, INFORMATION AVAILABLE ON MICROFICHE

CODE	ITEM	23-JAN-85			
		AVAILABILITY			
		US	UK	JA	AUS
DATAPRF1	ALL CURRENT PROGRAMS, BIBLIOGRAPHIC ENTRIES, COORDINATE ENTRIES (TABLES 3, 7, 9)	X	X	X	X
YEAR84F1	NEW OR REVISED COORDINATE ENTRIES FOR 1984	X			
PART85F1	NEW OR REVISED COORDINATE ENTRIES 1985 (TO DATE)	X			
NONST1F1	STRUCTURE FACTOR HOLDINGS (PART 1 - TABLE 4)	X	X	X	
NONST2F1	STRUCTURE FACTOR HOLDINGS (PART 2 - TABLE 5)	X	X	X	
NONST3F1	STRUCTURE FACTOR HOLDINGS (PART 3 - TABLE 6)	X	X	X	
CORR15F1	LIST OF CORRECTIONS NO. 15 (JUL/84 - JAN/85)	X	X	X	
BENDRF1	PARAMETERS FOR BENT-WIRE MODELS	X			
BLDKITF1	MODEL BUILDER'S KIT				PLEASE INQUIRE AT US CENTER
CONECTF1	CONNECTIVITY SPECIFICATIONS FOR ALL ATOMS	X			
DOPLOTF1	DIAGONAL PLOTS (LINE PRINTER)	X			
D1HDLF1	COMPLETE TORSION ANGLES	X			
DSTNCF1	CONNECTIVITY SPECIFICATIONS WITH DISTANCES	X			
FIS1PLF1	PHI/PSI PLOTS (LINE PRINTER)	X			
PHI51F1	LISTS OF PHI/PSI/OMEGA VALUES	X			

* NEW OR REPLACEMENT ENTRY SINCE OCT-84 NEWSLETTER

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

IDENT CODE	MOLECULE	23-JAN-85	
		DEPOSITOR	DATE/ CODE
R110BSF	CALCIUM-BINDING PROTEIN (INTESTINAL)	D. SZEBENYI, K. MOFFAT	7/83 SF
R110CSF	CYTOCHROME C (RICE)	H. OCHI, N. TANAKA	3/83 SF
R351CSF	CYTOCHROME C551 (OXIDIZED)	T. TAKANO, R. DICKERSON	9/81 SF
R1AN1CSF	DNA (A, D-10DD-CCGG)SPACE GROUP P 43 21 2	B. CONNER, R. DICKERSON	6/82 SF
R1AN1AF2	DNA (A, D-10DD-CCGG)SPACE GROUP P 21	B. CONNER, R. DICKERSON	6/82 SF
R2BNA5F	DNA (B, CCGGAATTCGGC, SYNTHETIC, 16 DEG K)	H. DREH, R. DICKERSON	1/81 SF
R3BNA5F	DNA (B, 9-BR-CCGGAATTCGGC, 20 DEG C)	KOPKA, FRATINI, DICKERSON/82 SF	
R4BNA5F	DNA (B, 9-BR-CCGGAATTCGGC, 7 DEG C)	KOPKA, FRATINI, DICKERSON/82 SF	
R5BNA5F	DNA (B, CCGGAATTCGGC, SYNTHETIC) / CISPLATIN	WING, PURRA, DREH, DICKERSON	9/83 SF
R1GAASF	GLUTAMINASE-ASPARAGINASE (ACINETOBACTER)	H. AMMON	12/82 SF
R1GASF	GLUTAMINASE-ASPARAGINASE (PSEUDOMONAS 7A)	H. AMMON	12/82 SF
R1HMQ5F	HEMERYTHRIN (MET)	STENKAMP, SIEKER, JENSEN	2/83 SF
R1H2ZF	HEMERYTHRIN (AZIDO, MET)	STENKAMP, SIEKER, JENSEN	2/83 SF
R21N5SF	INSULIN (BOVINE, 2-2'ZINC)DES-PHE B1	C. REYNOLDS, G. DOOSON	5/82 SF
R1LH1SF	LEGHEMOGLOBIN (ACETATE MET)	VAINSHTEIN, HARUTYUNYAN	4/82 SF
R2LH1SF	LEGHEMOGLOBIN (ACETATE MET)	VAINSHTEIN, HARUTYUNYAN	4/82 SF
R1LH2SF	LEGHEMOGLOBIN (AQUO MET)	VAINSHTEIN, HARUTYUNYAN	4/82 SF
R2LH2SF	LEGHEMOGLOBIN (AQUO MET)	VAINSHTEIN, HARUTYUNYAN	4/82 SF
R1LH3SF	LEGHEMOGLOBIN (CYANO MET)	VAINSHTEIN, HARUTYUNYAN	4/82 SF
R2LH3SF	LEGHEMOGLOBIN (CYANO MET)	VAINSHTEIN, HARUTYUNYAN	4/82 SF
R1LH4SF	LEGHEMOGLOBIN (DEOXY)	VAINSHTEIN, HARUTYUNYAN	4/82 SF
R2LH4SF	LEGHEMOGLOBIN (DEOXY)	VAINSHTEIN, HARUTYUNYAN	4/82 SF
R1LH5SF	LEGHEMOGLOBIN (FLUORO MET)	VAINSHTEIN, HARUTYUNYAN	4/82 SF
R2LH5SF	LEGHEMOGLOBIN (FLUORO MET)	VAINSHTEIN, HARUTYUNYAN	4/82 SF
R1LH6SF	LEGHEMOGLOBIN (NICOTINATE MET)	VAINSHTEIN, HARUTYUNYAN	4/82 SF
R2LH6SF	LEGHEMOGLOBIN (NICOTINATE MET)	VAINSHTEIN, HARUTYUNYAN	4/82 SF
R1LH7SF	LEGHEMOGLOBIN (FERRO) / NITROSOBENZENE	VAINSHTEIN, HARUTYUNYAN	4/82 SF
R2LH7SF	LEGHEMOGLOBIN (FERRO) / NITROSOBENZENE	VAINSHTEIN, HARUTYUNYAN	4/82 SF
R1LYMSF	LYSOZYME (HEN EGG-WHITE, MONOCLONIC)	HOGLE, RAO, SUNDARALINGAM/82 SF	
R1LTL1F	MELTILIN	TERWILLIGER, EISENBERG	9/81 SF
R1OV05F	OVOMUCIN FRAGMENT	E. PAPAIOAKIS, R. HUBER	1/82 SF
R2BP2SF	PROPHOSPHOLIPASE A2 (BOVINE)	D. JUKSTRA, HOL, DRENTH	9/81 SF
R1PYPSF	INORGANIC PYROPHOSPHATASE	E. HARUTYUNYAN ET AL.	2/83 SF
R1RN3SF	RIBONUCLEASE A	BORKAKOTI, MOSS, PALMER	6/82 SF
R4RSASF	RIBONUCLEASE A (XRAY)	A. HLODAKER	6/82 SF
R4RSASFN	RIBONUCLEASE A (NEUTRON)	A. HLODAKER	6/82 SF
R3TLN5F	THERMOLYSIN (NATIVE)	B. MATTHEWS, M. HOLMES	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
R2PTNSF	TRYPSIN (BENZAZINONE, INHIBITED)	BODE, SCHAEGER, WALTER	9/82 SF
R1TPP5F	TRYPSIN (P-AMIDINO-PHENYL-PHYRUVATE)	BODE, WALTER, HUBER	9/82 SF
R4PT1SF	TRYPSIN INHIBITOR (BOVINE, PANCREAS)	R. HUBER, J. DEISENHOFER	9/82 SF
R2PTCSF	TRYPSIN / TRYPSIN INHIBITOR COMPLEX	R. HUBER, J. DEISENHOFER	9/82 SF
R1TPASF	TRYPSIN (ANHYDRO) / TRYPSIN INHIBITOR	HUBER, BODE, DEISENHOFER	9/82 SF
R2TGASF	TRYPSIN (GENE, 4M MgSO4)	J. WALTER, R. HUBER	10/81 SF
R1T0CSF	TRYPSIN (GENE, 5 CH3OH, 5 HOH)	J. WALTER, R. HUBER	10/81 SF
R1T0TSF	TRYPSIN (GENE, 173 DEG K, 7 CH3OH, 3 HOH)	J. WALTER, R. HUBER	10/81 SF
R2T0TSF	TRYPSIN (GENE, 103 DEG K, 7 CH3OH, 3 HOH)	J. WALTER, R. HUBER	10/81 SF
R2TPGSF	TRYPSIN (GENE) / TRYPSIN INHIBITOR	R. HUBER ET AL.	9/82 SF
R3TP1SF	TRYPSIN (GENE) / TRYPSIN INHIBITOR / ILE-VAL	R. HUBER ET AL.	9/82 SF
R2TP2SF	TRYPSIN (GENE) / ILE-VAL (MERCURATED)	J. WALTER, R. HUBER	10/81 SF
R1T0SSF	TRYPSIN (GENE) / PST1	R. HUBER ET AL.	9/82 SF

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TABLE 3. PROTEIN DATA BANK, AVAILABLE PROGRAMS

NAME	PURPOSE	AUTHOR(S)	23-JAN-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
CHIRAL	CHECK CHIRALITY	E. ABOLA	1/82	YES
CONNECT	GENERATE FULL CONNECTIVITY	F. BERNSTEIN	8/82	YES
CONTACT	INTERMOLECULAR CONTACTS	L. ANDREWS	5/83	NO
DOPLOT	DIAGONAL PLOTS ON PRINTER	E. ABOLA	1/83	YES
D1HDL	COMPLETE TORSION ANGLES	E. ABOLA	3/80	YES
DRECTRY	DIRECTORY OF PDB DISTRIBUTION TAPE	E. ABOLA	5/84	YES
DSSP	SECONDARY STRUCTURE, SOLVENT EXPOSURE	H. KABSCH, C. SANDER	12/83	NO
DSTNCE	CALC DISTANCES FROM CONNECT RECORDS	F. BERNSTEIN	8/82	YES
FIS1PL	PHI/PSI PLOTS ON PRINTER	F. BERNSTEIN	5/79	YES
LSH	COLOR-CODED ALPHA-CARBON MODELS	R. MATELA, R. FLETTERICK	3/82	NO
NAMOD	BALL-AND-STICK MODEL DISPLAY	Y. BEFFU	11/78	NO
PHI51	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. LEIBODA	1/82	NO
TORSUR	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 OCT-84 NEWSLETTER

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

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

IDENT CODE	MOLECULE	23-JAN-85	
		DEPOSITOR	DATE/ CODE
R2GCHSF	GAMMA-CHYMOTRYPSIN	COHEN, DAVIES, SILVERTON	7/84 SF
R1CYPSF	CYTOCHROME C PEROXIDASE (YEAST)	F. INZEL, P. LOULOS, KRAUT	11/83 SF
R2CC5SF	CYTOCHROME C2 (OXIDIZED)	BHATTIA, F. INZEL, KRAUT	11/83 SF
R3CC5SF	CYTOCHROME C2 (REDUCED)	BHATTIA, F. INZEL, KRAUT	11/83 SF
R2BNA5F	*DNA (B, CCGGAATTCGGC, SYNTHETIC) / NETROPSIN	M. KOPKA, R. DICKERSON	8/84 SF
R1FX1SF	*FLAVODOXIN (D. VULGARIS, UNREFINED)	WATENPAUGH, SIEKER, JENSON/84 SF	
R2H4BSF	HEMOGLOBIN (HUMAN, DEOXY)	G. FERMI, M. PERUTZ	3/84 SF
R1H4BSF	HEMOGLOBIN (HUMAN, OXY)	B. SHAAANAN	3/84 SF
R1MCP5F	*IMMUNOGLOBULIN FAB (KAPPA) / MCP6C03	G. COHEN ET AL.	7/84 SF
R2MCP5F	*IGG FAB (KAPPA) / MCP6C03 / PHOSPHOCHOLINE	PADLAN, COHEN, DAVIES	10/84 SF
R1MB0SF	MYOGLOBIN (SPERM WHALE, OXY)	S. PHILLIPS	3/84 SF
R1PP0SF	*PAPAIN D	J. JANSONIUS	10/84 SF
R3RF2SF	PROTEININASE II (RAT MAST CELL)	S. REMINGTON, B. MATTHEWS	9/84 SF
R2PT1SF	*PTI (XRAY)	A. HLODAKER, R. HUBER	10/84 SF
R2PT1SFN	*PTI (NEUTRON)	A. HLODAKER, R. HUBER	10/84 SF
R3SBV5F	VIRUS COAT PROTEIN (SOUTHERN BEAN MOSAIC)	M. ROSSMANN	3/84 SF

* NEW OR REPLACEMENT ENTRY SINCE OCT-84 NEWSLETTER

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TABLE 7. PROTEIN DATA BANK, ATOMIC COORDINATE HOLDINGS

IDENT CODE	MOLECULE	DEPOSITOR(S)	DATE/STATUS		
2APF	ACID PROTEINASE (ENDOTHILA PARASITICA)	T. BLUNDELL	9/81		
2APP	ACID PROTEINASE (PENICILLIUM JANTHINELLUM)	A. SIELECKI, M. JAMES	1/83 R		
1APR	ACID PROTEINASE (RHIZOPUS CHINENSIS)	D. DAVIES	8/79		
2ACT	ACTININ	E. BAKER	11/79		
1ACK	ACTINOXANTHIN	V. PLETNEV, A. KUZIN	12/82		
2ADK	ADENYLATE KINASE (PORCINE MUSCLE)	G. SCHULZ	3/77		
1AGA	AGAROSE	S. KRNOTT	5/80		
2AGA	AGGLUTININ (WHEAT GERM)	C. -I. BRANDEN	8/79		
4ADH	ALCOHOL DEHYDROGENASE (APO)	H. EKLUND, T. A. JONES	1/84		
5ADH	ALCOHOL DEHYDROGENASE (APO)/ADP-RIBOSE	H. EKLUND, T. A. JONES	1/84		
6ADH	ALCOHOL DEHYDROGENASE (Holo)/NADH/DMSO	H. EKLUND, T. A. JONES	1/84		
7ADK	ALCOHOL DEHYDROGENASE (ISONICOTINIMIDYLATED)	H. EKLUND, T. A. JONES	1/84		
1ALP	ALPHA LYTIC PROTEASE	BRAYER, DELBAERE, JAMES	1/82		
2TAA	TAKA-AMYLASE	KUSUNOJI, MATSUURA, KAKUDO	10/82		
5AP1	*ALPHA 1-ANTI TRYPSIN (MODIFIED, TETRAAGONAL)	R. HUBER ET AL.	10/84		
6AP1	*ALPHA 1-ANTI TRYPSIN (MODIFIED, HEXAGONAL)	R. HUBER ET AL.	10/84		
1ABP	L-ARABINOSE-BINDING PROTEIN	F. QUIJOCHO, G. GILLILAND	5/80		
1AAT	CYTOSOLIC SPARTATE AMINOTRANSFERASE	HARUTYUNYAN, MALASHKEVICH	4/82 A		
2ATC	ASPARTATE CARBAMOYLTRANSFERASE	W. LIPSCOMB	3/82		
4ATC	*ASPARTATE CARBAMOYLTRANSFERASE	W. LIPSCOMB	4/84		
5ATC	*ASPARTATE CARBAMOYLTRANSFERASE/CTP	W. LIPSCOMB	4/84 R		
1AZA	AZURIN (ALCALIGENES DENITRIFICANS)	E. BAKER, G. NORRIS	5/84		
1AZU	AZURIN (CALDIMONAS AERUGINOSA)	D. REES, W. LIPSCOMB	8/80		
2BCL	BACTERIOCHLOROPHYLL A-PROTEIN	B. MATTHEWS	1/79 A		
1ABX	ALPHA-BUNGAROTOXIN	D. AGARD, S. SPENCER, R. STROUD	4/80 A		
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		
11CB	CALCIUM-BINDING PROTEIN (INTESTINAL)	D. SZERWYI, K. MOFFAT	7/83		
1CAP	CAPSULAR POLYSACCHARIDE (E. COLI M41)	S. ARNOTT	5/78		
2CAB	CARBONIC ANHYDRASE B (HUMAN)	K. KANNAN	10/83		
1CAC	CARBONIC ANHYDRASE C (HUMAN)	K. KANNAN	5/76		
3CPA	CARBOXYPEPTIDASE A (GLYCYL TYROSINE)	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		
1CPB	CARBOXYPEPTIDASE B (BOVINE)	M. SCHMID, J. HERRIOTT	6/76 A		
1CAR	CARRAGEENAN	S. ARNOTT	5/78		
3CAT	CATALASE (BEEF LIVER)	M. ROSSMANN	7/82		
4CAT	CATALASE (CILIOLIN VITALE)	B. VAINSHTEIN ET AL.	2/83	B	
1C4S	CHONDROITIN-4-SULFATE	S. ARNOTT	5/78		
2C4S	CHONDROITIN-4-SULFATE (CA SALT)	S. ARNOTT	5/78		
2CHA	ALPHA-CHYMOTRYPSIN (TOSYL)	D. BLOW	1/76		
3CHA	ALPHA-CHYMOTRYPSIN	A. TULINSKY	8/75		
20CH	GAMMA-CHYMOTRYPSIN	COHEN, DAVIES, SILVERTON	5/80		
1CHG	CHYMOTRYPSINOGEN	J. KRAUT, J. BIRKTOFF	3/79		
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		
1CTA	ALPHA CYTOTOXIN	H. SAENGER, M. WALKINSHAW	3/82		
2CNA	CONCAVALIN A	G. REEKIE, J. BECKER, G. EDELMAN	9/85		
3CNA	CONCAVALIN A	K. HARDMAN	9/76		
1CN1	CONCAVALIN A (DEMETALLIZED)	M. SHOHAM	12/81		
1CRN	CRAMBIN	H. HENDRICKSON, M. TEETER	5/81		
2B5C	CYTOCHROME B5 (OXIDIZED)	F. S. MATHEWS	12/77		
1S5B	CYTOCHROME B5B2 (E. COLI OXIDIZED)	BETHOSHOUBRINSKI, MATHEWS	8/79		
3CYT	CYTOCHROME C (ALBACORE, OXIDIZED)	T. TAKANO, R. DICKERSON	7/80		
4CYT	CYTOCHROME C (ALBACORE, REDUCED)	T. TAKANO, R. DICKERSON	7/80		
1CYC	CYTOCHROME C (BONITO, HEART)	M. KAKUDO	8/76		
1CCR	CYTOCHROME C (RICE)	H. OCHI, N. TANAKA	3/83		
1CCY	CYTOCHROME C (YEAST)	P. WEBER, R. SALEMME	8/81		
1CCP	CYTOCHROME C PEROXIDASE (YEAST)	B. FINZEL, J. KRAUT	1/83 R		
2CC2	CYTOCHROME C2 (OXIDIZED)	G. BHATIA, B. FINZEL, J. KRAUT	11/83 R		
3CC2	CYTOCHROME C2 (REDUCED)	G. BHATIA, B. FINZEL, J. KRAUT	11/83 R		
2CDV	CYTOCHROME C3 (DESULFOVIBRIO VULGARIS)	N. YASUOKA, M. KAKUDO	11/83 R		
1CC5	CYTOCHROME C5 (OXIDIZED, AZOTOBACTER VINDL)	C. D. STOUT, D. CARTER	8/78		
35C	CYTOCHROME C5 (REDUCED)	R. TIMKOVICH	7/81		
35C1	CYTOCHROME C5S1 (OXIDIZED)	MATSUURA, TAKANO, DICKERSON	7/81		
45C1	CYTOCHROME C5S1 (REDUCED)	MATSUURA, TAKANO, DICKERSON	7/81		
3DFR	DIHYDROFOLATE REDUCTASE (L. CASEI)	J. BOLIN, D. MATTHEWS, J. KRAUT	6/82		
4DFR	DIHYDROFOLATE REDUCTASE (E. COLI)	J. BOLIN, D. MATTHEWS, J. KRAUT	6/82		
1ANA	DNA (A, PRIME)-D-1000-CGG-3 (PRIME)1	B. CONNER, R. DICKERSON	1/82		
1BNA	DNA (B, CGCGAATTCGCG, SYNTHETIC, 290 DEG K)	H. DREW, R. DICKERSON	11/81		
2BNA	DNA (B, CGCGAATTCGCG, SYNTHETIC, 16 DEG K)	H. DREW, R. DICKERSON	11/81		
3BNA	DNA (B, 9-BR-CGCGAATTCGCG, 20 DEG C)	KOPKA, FRATINI, DICKERSON	2/82		
4BNA	DNA (B, 9-BR-CGCGAATTCGCG, 7 DEG C)	KOPKA, FRATINI, DICKERSON	2/82		
5BNA	DNA (B, CGCGAATTCGCG, SYNTHETIC)/CISPLATIN	HING, PUJRA, DREH, DICKERSON	8/83		
6BNA	*DNA (B, CGCGAATTCGCG, SYNTHETIC)/NETROPSIN	M. KOPKA, R. DICKERSON	9/83		
1ZNA	DNA (Z', CGCG, HIGH-SALT, SYNTHETIC)	H. DREW, R. DICKERSON	1/81		
1E8T	ELASTASE (PORCINE, TOSYL)	H. WATSON	5/76		
1E0D	ERYTHROCURIN (REDUCED, DEOXY)	W. STEIGEMANN, E. WEBER	3/79		
1E0C	ERYTHROCURIN (CARBONMONOXY)	W. STEIGEMANN, E. WEBER	3/79		
1E0A	ERYTHROCURIN (FREE, MET)	W. STEIGEMANN, E. WEBER	3/79		
1E0N	ERYTHROCURIN (CYANO, MET)	W. STEIGEMANN, E. WEBER	3/79		
2FD1	FERRIDOXIN (AZOTOBACTER VINELANDII)	STOUT, GHOSH, FUREY, O'DONNELL	11/81		
1FDX	FERRIDOXIN (PEPTOCOCCUS AERGENES)	E. ADMAN, L. SIEKER, L. JENSEN	8/76		
3FX	FERRIDOXIN (SPIRULINA PLATENSIS)	TSUKIHARA, KATSUBE, KAKUDO	12/81		
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		
1GBP	GALACTOSE-BINDING PROTEIN	S. MOMBRAY, G. PETSKO	8/83 A		
1GCN	GLUCAGON	H. HUIRHEAD	7/77 A		
1PG1	GLUCOSE-6-PHOSPHATE ISOMERASE	G. SCHULZ	11/81		
2R5S	GLUTATHIONE	M. ROSSMANN	7/75		
1GPD	GLYCERALDEHYDE-3-P-DEHYDROGENASE (LOBSTR)	M. ROSSMANN	12/79		
2GPD	AP0-GLYCERALDEHYDE-3-P-DEHYDROGENASE	M. ROSSMANN	12/79		
3GPD	GLYCERALDEHYDE-3-P-DEHYDROGENASE (HUMAN)	H. WATSON, J. CAMPBELL	6/83		
1HRB	HEMERYTHRIN B	H. HENDRICKSON	6/76 A		
1HM2	HEMERYTHRIN (MET)	STENKAMP, SIEKER, JENSEN	2/83 R		
1HM1	HEMERYTHRIN (AZIDO, MET)	STENKAMP, SIEKER, JENSEN	2/83		
1HR3	HEMERYTHRIN (AZIDO, MET, SIPHONOSOMA)	SMITH, HENDRICKSON, ADDISON	5/83		
1HDS	HEMOGLOBIN (DEER, SICKLE CELL)	E. AMMA, R. GIRLING	10/79		
2HBH	HEMOGLOBIN (HORSE, AQUO MET)	R. LADNER, HEIDNER, PERUTZ	2/77		
2DHB	HEMOGLOBIN (HORSE, DEOXY)	M. PERUTZ, G. FERMI	11/73		
2HBH	HEMOGLOBIN (HUMAN, DEOXY)	G. FERMI, M. PERUTZ	3/84 R		
3HBH	HEMOGLOBIN (HUMAN, DEOXY, SYMMETRY AVRGD)	G. FERMI, M. PERUTZ	3/84 R		
4HBH	HEMOGLOBIN (HUMAN, DEOXY, UNRESTRAINED)	G. FERMI, M. PERUTZ	3/84 R		
1HCO	HEMOGLOBIN (HUMAN, CARBONMONOXY)	J. BALDWIN	8/79		
2HCO	HEMOGLOBIN (HUMAN, CARBONMONOXY, NRG REFND)	J. BALDWIN	8/79		
1HHD	HEMOGLOBIN (HUMAN, NRG)	B. SHANNAN	9/78		
1HDH	HEMOGLOBIN (HUMAN, FETAL, DEOXY)	J. FRISER	6/82		
1HBS	HEMOGLOBIN S (HUMAN, SICKLE CELL)	E. PADLAN, W. LOVE	6/83		
1LHB	HEMOGLOBIN (LAMPREY)	HENDRICKSON, LOVE, KARLE	3/73		
2YHX	HEXOKINASE (YEAST) FORM B11	STEITZ, ANDERSON, STENKAMP	3/78		
1HK6	HEXOKINASE A - GLUCOSE COMPLEX (YEAST)	W. BENNETT JR., T. STEITZ	12/80		
1HIP	HIGH POTENTIAL IRON PROTEIN	S. ARNOTT	11/77		
1HYA	HYALURONIC ACID (NA SALT, 3-FOLD HELIX)	S. ARNOTT	5/78		
2HYA	HYALURONIC ACID (NA SALT, 4-FOLD HELIX)	S. ARNOTT	5/78		
3HYA	HYALURONIC ACID (NA SALT, 2-FOLD HELIX)	S. ARNOTT	5/78		
4HYA	HYALURONIC ACID (CA SALT, 3-FOLD HELIX)	S. ARNOTT	5/78		
1MCP	*IMMUNOGLOBULIN FAB (KAPPA) M3P63	SATOH, OHEN, PADLAN, DAVIES	7/84		
2MCP	*IGG FAB (KAPP) M3P63/3-PHOSPHOLIPINE	E. PADLAN, G. COHEN, D. DAVIES	1/84		
1FB4	IMMUNOGLOBULIN FAB (LAMBDA) KOL	M. MARQUART, R. HUBER	9/81		
3FB4	IMMUNOGLOBULIN FAB, PRIME	R. POLJAK	5/83		
1MCG	IMMUNOGLOBULIN B-J INTACT MCG	SCHIFFER, EDMUNDSON ET AL.	5/78 A		
1RE1	IMMUNOGLOBULIN B-J FRAGMENT (V-DIMER) RE1	O. EPP, R. HUBER	3/76		
2RHE	IMMUNOGLOBULIN B-J FRAGMENT (V-IMMER) RHE	FUREY, HANG, YOO, SAX	5/83		
1FC1	IMMUNOGLOBULIN FC (HUMAN)	J. DEISENHOFER	6/83		
1FC2	IMMUNOGLOBULIN FC-FRAGMENT B COMPLEX	J. DEISENHOFER	5/81		
1IG2	IMMUNOGLOBULIN G1 (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. REYNOLDS, G. DODSON	5/82		
2PKA	KALLIKREIN A (PORCINE)	W. BODE, Z. CHEN	5/84		
2KA1	KALLIKREIN A (PORCINE)/PTI (BOVINE)	W. BODE, Z. CHEN	5/84		
1KGA	KDGF ALDOSE	A. TULINSKY	9/78 A		
1KES	KERATAN SULFATE	S. ARNOTT	4/77		
4LGH	LACTATE DEHYDROGENASE (DOGFISH)	W. EVENTOFF, M. ROSSMANN	11/74		
3LDH	LACTATE DEHYDROGENASE/NAD/PYRUVATE (DOGF)	M. ROSSMANN	11/74		
5LDH	LACTATE DEHYDROGENASE/S-LAC/NAD (PIG)	J. GRAU, M. ROSSMANN	10/80		
1LDO	LACTATE DEHYDROGENASE (MOUSE TESTES)	W. MUSICK, M. ROSSMANN	9/78		
1LH1	LEGHEMOGLOBIN (ACETATE MET)	VAINSHTEIN, HARUTYUNYAN	4/82		
2LH1	LEGHEMOGLOBIN (ACETATE MET)	VAINSHTEIN, HARUTYUNYAN	4/82		
1LH2	LEGHEMOGLOBIN (AQUO MET)	VAINSHTEIN, HARUTYUNYAN	4/82		
2LH2	LEGHEMOGLOBIN (AQUO MET)	VAINSHTEIN, HARUTYUNYAN	4/82		
1LH3	LEGHEMOGLOBIN (CYANO MET)	VAINSHTEIN, HARUTYUNYAN	4/82		
2LH3	LEGHEMOGLOBIN (CYANO MET)	VAINSHTEIN, HARUTYUNYAN	4/82		
1LH4	LEGHEMOGLOBIN (DEOXY)	VAINSHTEIN, HARUTYUNYAN	4/82		
2LH4	LEGHEMOGLOBIN (DEOXY)	VAINSHTEIN, HARUTYUNYAN	4/82		
1LH5	LEGHEMOGLOBIN (FLUORO MET)	VAINSHTEIN, HARUTYUNYAN	4/82		
2LH5	LEGHEMOGLOBIN (FLUORO MET)	VAINSHTEIN, HARUTYUNYAN	4/82		
1LH6	LEGHEMOGLOBIN (NICOTINATE MET)	VAINSHTEIN, HARUTYUNYAN	4/82		
2LH6	LEGHEMOGLOBIN (NICOTINATE MET)	VAINSHTEIN, HARUTYUNYAN	4/82		
1LH7	LEGHEMOGLOBIN (FERRO)/NITROSOBENZENE	VAINSHTEIN, HARUTYUNYAN	4/82		
2LH7	LEGHEMOGLOBIN (FERRO)/NITROSOBENZENE	VAINSHTEIN, HARUTYUNYAN	4/82		
1LZM	LYSOZYME (BACTERIOPHAGE T4)	B. MATTHEWS	3/77		
2LYZ	LYSOZYME (HEN EGG-WHITE, SET R2)	R. DIAMOND, D. PHILLIPS	2/75		
3LYZ	LYSOZYME (HEN EGG-WHITE, SET R5A)	R. DIAMOND, D. PHILLIPS	2/75		
4LYZ	LYSOZYME (HEN EGG-WHITE, SET R5B)	R. DIAMOND, D. PHILLIPS	2/75		
5LYZ	LYSOZYME (HEN EGG-WHITE, SET R51A)	R. DIAMOND, D. PHILLIPS	2/75		
6LYZ	LYSOZYME (HEN EGG-WHITE, SET R51B)	R. DIAMOND, D. PHILLIPS	2/75		
7LYZ	LYSOZYME (HEN EGG-WHITE, TRIOLINIC)	A. YONATH, E. BLAKE	10/84		
8LYZ	LYSOZYME (HEN EGG-WHITE, INACTIVATED)	S. OATLEY	9/77		
9LYZ	LYSOZYME (HEN, NAM-NAG-NAM SUBSTRATE ONLY)	J. KELLY, M. JAMES	12/79		
1LZH	LYSOZYME (HEN EGG-WHITE, MONOCLINIC)	ARTYMIUK, BLAKE, RICE, WILSON	6/81 A		
2LZH	LYSOZYME (HEN EGG-WHITE, ORTHORHOMBIC)	ARTYMIUK, BLAKE, RICE, WILSON	6/81 A		
1LHM	LYSOZYME (HEN EGG-WHITE, MONOCLINIC)	HOGLE, RAO, SUNDARALINGAM	7/82		
1LZ1	LYSOZYME (HUMAN)	R. ARTYMIUK, E. BLAKE	10/84		
1LZ2	LYSOZYME (TURKEY EGG-WHITE)	R. BOTT, R. SARMA	9/81 A		
2MDH	MALATE DEHYDROGENASE	J. BIRKTOFF, L. BANASZAK	3/83 R		
1MLT	MELITTIN	TERLILLIGER, EISENBERG	8/81		
1MB5	MYOGLOBIN (SEAL, MET)	H. SCULLOUDI	3/79		
1MBN	MYOGLOBIN (SPERM WHALE, MET)	H. WATSON	4/78		
2MBN	MYOGLOBIN (SPERM WHALE, MET)	T. TAKANO	9		

TABLE 8. COORDINATE AND STRUCTURE FACTOR ENTRIES IN PREPARATION

23-JAN-85

7CAT	*CATALASE (BEEF LIVER)	I. FITA, M. ROSSMANN	11/84	RP
8CAT	*CATALASE (BEEF LIVER)	I. FITA, M. ROSSMANN	11/84	RP
4CHA	*ALPHA-CHYMOTRYPSIN (BOVINE)	H. TSUKADA, D. BLOW	11/84	RN
5CHA	*ALPHA-CHYMOTRYPSIN (BOVINE)	R. BLEVINS, A. TULINSKY	1/85	RP
7BNA	*DNA (B. COCCOAATTCGGC, ANISO TEMP FACTORS)	HOLBROOK, DICKERSON, KIM	1/85	P
1IGE	*IMMUNOGLOBULIN E1FC FRAGMENT MODEL	E. PADLAN, D. DAVIES	1/85	P
2PEP	*PEPSIN (ETHANOL-INHIBITED, PORCINE)	N. ANDREEVA	10/84	N
4RXN	RUBREDOXIN (C. PASTEURIANUM, UNCONSTR REF)	WATENPAUGH, SIEKER, JENSEN	10/84	N
5RXN	RUBREDOXIN (C. PASTEURIANUM, NRG+XTAL REF)	K. WATENPAUGH	10/84	N
1GN5	*GENE 5 DNA-UNWINDING PROTEIN (E. COLI)	A. MCPHERSON	11/84	N
R4CHASF	*ALPHA-CHYMOTRYPSIN (BOVINE)	H. TSUKADA, D. BLOW	11/84	SF
R7BNASF	*DNA (B. COCCOAATTCGGC, ANISO TEMP FACTORS)	HOLBROOK, DICKERSON, KIM	1/85	SF
R5RXNSF	RUBREDOXIN (C. PASTEURIANUM)	WATENPAUGH, SIEKER, JENSEN	10/84	SF

* NEW OR REPLACEMENT ENTRY SINCE OCT-84 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

23-JAN-85

QEAP	ACID PROTEINASE (ENDOTHIA PARASITICA)
QADC	ADH-NADH-DIMETHYLSULFOXIDE COMPLEX
QAF1	APOFERRITIN (HORSE)
QMAA	MITOCHONDRIAL ASPARTATE AMINOTRANSFERASE
QRNB	BARNASE (BACILLUS AMYLOLIQUEFACIENS)
QCDI	CALOTROPIN D1 (CALOTROPIS GIGANTEA)
QDPE	D-ALANYL-CARBOXYPEPTIDASE-TRANSEPTIDASE
QZGP	D-ALANINE D-ALANINE PEPTIDASE (Zn2+ G PEPTIDASE)
QCN2	CONCAVALIN A (DEMETALLIZED)
QCRO	CRO REPRESSOR
QGCR	GAMMA-CRYSTALLIN II (CALF)
QCY3	CYTOCHROME C3 (DESULFOVIBRIO DESULFURICANS NORWAY)
Q5C1	CYTOCHROME C555 (CALOROBUM THIOSULFATOPHILUM)
Q3CA	DES-ARG77-C3A ANAPHYLATOXIN
QCDF	DIHYDROFLATE REDUCTASE (CHICKEN LIVER)
QANB	DNA (GGTATACC)
QANB	DNA (GG+UA+UACC)
QESZ	ELASTASE COMPLEX (PIG)
QETU	ELONGATION FACTOR TU COMPLEX (E. COLI)
QEBX	ERABUTOXIN B
QFX1	FERRIDOXIN I (APHANOTHECE SACRUM)
QFX3	FLAVODOXIN (OXIDIZED, ANACYSTIS NIDULANS)
QFX2	FLAVODOXIN (REDUCED, CLOSTRIDIUM MP)
QGBP	D-GALACTOSE-BINDING PROTEIN (ESCHERICHIA COLI)
QGAP	CATABOLITE GENE ACTIVATOR PROTEIN
QGP1	GLUTATHIONE PEROXIDASE (BOVINE)
QGD1	D-GLYCERALDEHYDE 3-PHOSPHATE DEHYDROGENASE (BACILLUS STEAROTHERMOPHILUS)
QHMG	HEMAGGLUTININ
QHP1	HEMOCYANIN (PANULIRUS INTERRUPTUS)
QDGH	HEMOGLOBIN (COBALT DEOXY)
QHGB	HEMOGLOBIN (GLYCERA DIBRANCHIATA)
QPH4	P-HYDROXYBENZOATE HYDROXYLASE (PSEUDOMONAS FLUORESCENS)
QAU1	IMMUNOGLOBULIN, BENCE-JONES FRAGMENT (KAPPA) AU
QROY	IMMUNOGLOBULIN, BENCE-JONES FRAGMENT (V-MONOMER, KAPPA) ROY
Q1G1	IMMUNOGLOBULIN G1 (KAPPA) DOB
Q1N1	INSULIN (PORCINE)
Q1N2	INSULIN (PORCINE)
Q1N3	DESPENTAPEPTIDE INSULIN (BEEF)
QLRP	N-TERMINAL DOMAIN OF LAMBDA REPRESSOR
QGLM	LYSOZYME (EMBDEN GOOSE)
QLZ5	LYSOZYME (HEN EGG-WHITE, NEUTRON STUDY)
QLZT	LYSOZYME (HEN EGG-WHITE, HIGH-TEMPERATURE)
QLZ6	LYSOZYME (STREPTOMYCES ERYTHRAEUS)
QTEL	LYSOZYME (TORTOISE EGG-WHITE)
QCTF	L7/L12 (E. COLI, C-TERMINUS)
QMB4	MYOGLOBIN (APLYSIA LIMACINA)
QMBM	MYOGLOBIN (SPERM WHALE, MET, TEMPERATURE STUDIES)
QMB3	MYOGLOBIN (SPERM WHALE, MET, NEUTRON STUDY)
QPFK	PHOSPHOFRUCTOKINASE (BACILLUS STEAROTHERMOPHILUS)
QPP2	PHOSPHOLIPASE A2 (RATTLESNAKE)
QPPA	PHOSPHORYLASE A (RABBIT)
QPB1	PHOSPHORYLASE B (RABBIT)
QRX5	RELAXIN (PORCINE, MODEL)
QRSA	RIBONUCLEASE A (BOVINE)
QRBS	RIBONUCLEASE (BOVINE SEMINAL)
QRB1	RIBONUCLEASE B1 (BINASE)
QRST	RIBONUCLEASE ST (STREPTOMYCES ERYTHREUS)
QRNT	RIBONUCLEASE T1-2 (PRIME)-GUANYLIC ACID (ASPERGILLUS ORYZAE)
QSDC	FE-SUPEROXIDE DISMUTASE (ESCHERICHIA COLI)
QSDP	FE-SUPEROXIDE DISMUTASE (PSEUDOMONAS OVALIS)
QTT4	THIOREDOXIN REDUCTASE (BACTERIOPHAGE T4)
QFMT	INITIATOR TRANSFER RNA (E. COLI, F/MET)
QTA1	TRANSFER RNA (YEAST, ASP, A FORM)
QTA2	TRANSFER RNA (YEAST, ASP, B FORM)
QTR1	TRANSFER RNA (YEAST, PHE)
QMTS	METHIONYL TRANSFER RNA SYNTHETASE
QYP1	TRIOSE PHOSPHATE ISOMERASE (SACCHAROMYCES CEREVISIAE)
QGN5	GENE 5 DNA-UNWINDING PROTEIN (E. COLI)
QUTG	UTEROGLOBIN (RABBIT)
QTMV	VIRUS PROTEIN DISK (TOBACCO MOSAIC)

* NEW OR REPLACEMENT ENTRY SINCE OCT-84 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 (January 1984)
 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 1983)
 NONST2TP and NONST2FI (January 1984)
 NONST3TP and NONST3FI (January 1985)
 Data Deposition form

3. Please send the following magnetic tape items (from Table 1). Each 1-tape item costs \$184 (£153 from Cambridge). Each 2-tape item costs \$225 (£188). Each 3-tape item costs \$266 (£222). Domestic postage is included.

<u>Item</u>	<u>Number of Tapes</u>	<u>Cost</u>
-------------	------------------------	-------------

Total _____

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. Tape format desired (all tapes are unlabelled)
- | | Availability | |
|----------------------------------------------------|--------------|-----|
| | US | UK |
| <input type="checkbox"/> 9 track, 6250 cpi, EBCDIC | yes | yes |
| <input type="checkbox"/> 9 track, 1600 cpi, EBCDIC | yes | yes |
| <input type="checkbox"/> 9 track, 800 cpi, EBCDIC | yes | yes |
| <input type="checkbox"/> 9 track, 6250 cpi, ASCII | yes | yes |
| <input type="checkbox"/> 9 track, 1600 cpi, ASCII | yes | yes |
| <input type="checkbox"/> 9 track, 800 cpi, ASCII | yes | yes |

All tapes are distributed in blocked form with fixed record length and block size. Brookhaven normally uses a block size of 4800 characters. Please indicate here any difficulties this might cause.

5. Please send the following microfiche items (from Table 2). Each microfiche item costs \$150 (£125), postage included. Correction fiche are free.

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

6. Please send the following printed listings. Each listing costs \$71 (£59), postage included.

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

7. Foreign air mail postage for tapes from Brookhaven to destinations outside the U. S. and Canada or from Cambridge to destinations outside the United Kingdom. A postage surcharge of \$20 (£17) is required per item.

Number of items x \$20.00 (£17) = _____

8. Total charges

Magnetic tape charges (3 above)	_____
Microfiche charges (5 above)	_____
Printed listing charges (6 above)	_____
Foreign air mail postage charges (7 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
() purchase order number _____
is () enclosed
() sent separately

Please return to

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

or

Dr. S. Bellard
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.