

CITATION REPORT

List of articles citing

Analysis of the accuracy and implications of simple methods for predicting the secondary structure of globular proteins

DOI: 10.1016/0022-2836(78)90297-8

Journal of Molecular Biology, 1978, 120, 97-120.

Source: <https://exaly.com/paper-pdf/13600698/citation-report.pdf>

Version: 2024-04-09

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
2115	The amino acid sequence of the alpha-chain of human fibrinogen. 1979 , 280, 464-8		282
2114	Antiparallel and parallel beta-strands differ in amino acid residue preferences. 1979 , 282, 109-11		177
2113	Receptor binding and conformational properties of bovine and ovine prolactins after chemical modification of the two tryptophan residues. 1979 , 578, 125-34		3
2112	Refined models for computer simulation of protein folding. Applications to the study of conserved secondary structure and flexible hinge points during the folding of pancreatic trypsin inhibitor. <i>Journal of Molecular Biology</i> , 1979 , 132, 19-51	6.5	68
2111	Nucleotide sequence of the thrA gene of Escherichia coli. 1980 , 77, 5730-3		83
2110	Hydrophobic packing and spatial arrangement of amino acid residues in globular proteins. 1980 , 623, 301-16		125
2109	Sequence analysis of mutations that prevent export of lambda receptor, an Escherichia coli outer membrane protein. 1980 , 285, 82-5		195
2108	Analysis and prediction of protein beta-sheet structures by a combinatorial approach. 1980 , 285, 378-82		112
2107	Structure of a family of rat amylase genes. 1980 , 287, 117-22		149
2106	Predicted secondary structure of cytoplasmic aspartate aminotransferase from pig heart. 1980 , 111, 56-60		
2105	Location of a phage binding region on an outer membrane protein. 1980 , 121, 127-9		25
2104	PREDICTION OF PROTEIN CONFORMATION FROM THE PRIMARY STRUCTURE *. 1980 , 348, 147-159		22
2103	Designing biologically active polypeptides. <i>Trends in Biochemical Sciences</i> , 1980 , 5, 240-244	10.3	7
2102	Structural properties of signal peptides and their membrane insertion. 1980 , 62, 231-9		47
2101	Eye-lens proteins: the three-dimensional structure of beta-crystallin predicted from monomeric gamma-crystallin. 1981 , 133, 9-16		104
2100	Secondary structure of bovine alpha s1- and beta-casein in solution. 1981 , 211, 689-96		152
2099	Structure of rabbit skeletal myosin. Analysis of the amino acid sequences of two fragments from the rod region. <i>Journal of Molecular Biology</i> , 1981 , 153, 459-64	6.5	98

2098	Analysis of the amino acid sequence of a tropomyosin-binding fragment from troponin-T. <i>Journal of Molecular Biology</i> , 1981 , 146, 259-63	6.5	22
2097	Existence of α -helix in natural proteins. 1981 , 3, 243-247		3
2096	Gene sequence of the lambda receptor, an outer membrane protein of E. coli K12. 1981 , 27, 507-14		219
2095	Analysis of structural similarities between brain Thy-1 antigen and immunoglobulin domains. Evidence for an evolutionary relationship and a hypothesis for its functional significance. 1981 , 195, 31-40		95
2094	Nucleotide and corresponding amino acid sequences encoded by alpha and beta tubulin mRNAs. 1981 , 289, 650-5		381
2093	Prediction of the secondary structure of myelin basic protein. 1981 , 36, 1543-60		51
2092	Cleavage of rabbit myelin basic protein by pepsin. 1981 , 36, 58-68		45
2091	A comparative structural study of apamin and related bee venom peptides. 1981 , 667, 197-208		31
2090	Nucleotide sequence of the thrB gene of E. coli, and its two adjacent regions; the thrAB and thrBC junctions. 1981 , 9, 339-47		39
2089	Closely related families of genes code for the alpha and alpha' subunits of the soybean 7S storage protein complex. 1982 , 10, 8225-44		101
2088	Structural sequences are conserved in the genes coding for the alpha, alpha' and beta-subunits of the soybean 7S seed storage protein. 1982 , 10, 8245-61		65
2087	Anti-influenza response achieved by immunization with a synthetic conjugate. 1982 , 79, 569-73		145
2086	Amino terminal sequence, processing, and biological activity of porcine pre-alpha-lactalbumin. 1982 , 64, 271-8		4
2085	The cDNA sequence of a human epidermal keratin: divergence of sequence but conservation of structure among intermediate filament proteins. 1982 , 31, 243-52		300
2084	Cell-free synthesis, proteolytic processing, core glycosylation, and amino terminal sequence of rabbit pre-alpha-lactalbumin. 1982 , 64, 173-84		7
2083	Prediction of the secondary and tertiary structures of interferon from four homologous amino acid sequences. 1982 , 4, 137-144		75
2082	A structural model for the chromophore-binding domain of ovine rhodopsin. 1982 , 4, 263-268		71
2081	Rat relaxin: insulin-like fold predicts a likely receptor binding region. 1982 , 4, 399-405		18

2080	A simple method for displaying the hydropathic character of a protein. <i>Journal of Molecular Biology</i> , 1982 , 157, 105-32	6.5	19626
2079	The nucleic acid and deduced protein sequence of cDNA clones for delta-crystallin of the chicken lens. 1982 , 144, 289-92		12
2078	Improving the accuracy of secondary structure predictions. 1981 , 63, 951-4		3
2077	Antibodies against a preselected peptide recognize and neutralize foot and mouth disease virus.. 1982 , 1, 869-874		264
2076	STRUCTURE-FUNCTION STUDIES ON HUMAN ALPHA INTERFERON11This work was supported by Genentech, Inc. and Hoffmann-La Roche, Inc. and by grants from the National Institutes of Health to T.A.B. (AM 18677) and R.M.S. (GM 24485).. 1982 , 365-376		11
2075	PREDICTION OF THE SECONDARY STRUCTURE OF PROTEINS. 1982 , 455-468		1
2074	Secondary structure predictions for silkmoth chorion proteins. 1982 , 700, 42-51		46
2073	An analysis of the prediction of secondary structures. 1982 , 701, 111-118		44
2072	The prediction of protein topologies. 1982 , 709, 73-83		8
2071	Ribosomal protein S1 is the product of a series of contiguous duplications. 1982 , 2, 405-12		12
2070	Conformation of terminal regions in proteins. 1982 , 298, 296-7		15
2069	Single base substitution in an intron of oxidase gene compensates splicing defects of the cytochrome b gene. 1982 , 298, 628-32		131
2068	A point mutation is responsible for the acquisition of transforming properties by the T24 human bladder carcinoma oncogene. 1982 , 300, 149-52		1220
2067	A general model of the P2 protein of peripheral nervous system myelin based on secondary structure predictions, tertiary folding principles, and experimental observations. 1983 , 40, 951-68		20
2066	Prediction of super-secondary structure in proteins. 1983 , 301, 540-2		97
2065	Complete amino acid sequence of a mouse epidermal keratin subunit and implications for the structure of intermediate filaments. 1983 , 302, 794-800		342
2064	Targeted mutagenesis of SV40 DNA induced by UV light. 1983 , 305, 68-70		87
2063	[Not Available]. 1983 , 15, 299-322		

2062	Markov analysis of alpha-helical, beta-sheet and random coil regions of proteins. 1983 , 37, 89-94		4
2061	Structural homology between hard alpha-keratin and the intermediate filament proteins desmin and vimentin. 1983 , 3, 73-8		66
2060	Structural homology of lens crystallins. III. Secondary structure estimation from circular dichroism and prediction from amino acid sequences. 1983 , 748, 56-67		61
2059	Assessment of secondary-structure prediction of proteins. Comparison of computerized Chou-Fasman method with others. 1983 , 748, 285-99		88
2058	Analysis of a yeast nuclear gene involved in the maturation of mitochondrial pre-messenger RNA of the cytochrome oxidase subunit I. 1983 , 32, 77-87		90
2057	Sensory transducers of E. coli are composed of discrete structural and functional domains. 1983 , 33, 615-22		223
2056	Nucleotide sequence analysis of the Drosophila small heat shock gene cluster at locus 67B. <i>Journal of Molecular Biology</i> , 1983 , 165, 35-57	6.5	196
2055	Estimation of protein secondary structure from the laser Raman amide I spectrum. <i>Journal of Molecular Biology</i> , 1983 , 166, 581-603	6.5	168
2054	Chloramphenicol acetyltransferase: enzymology and molecular biology. 1983 , 14, 1-46		215
2053	Secondary structure of bovine beta-lactoglobulin B. 1983 , 227, 98-105		72
2052	How good are predictions of protein secondary structure?. 1983 , 155, 179-82		292
2051	The oxygen binding site of cytochrome oxidase. Structural predictions on subunit I from amino acid sequences. 1983 , 157, 233-9		26
2050	Simian sarcoma virus onc gene, v-sis, is derived from the gene (or genes) encoding a platelet-derived growth factor. 1983 , 221, 275-7		1452
2049	Angiotensinogen is related to the antitrypsin-antithrombin-ovalbumin family. 1983 , 222, 417-9		195
2048	Spontaneous activation of a human proto-oncogene. 1983 , 80, 4679-83		104
2047	THE FINE ARCHITECTURE AND FUNCTION OF THE GENE CODING FOR PBP-3 OF ESCHERICHIA COLI. 1983 , 393-402		7
2046	Genetic study of a membrane protein: DNA sequence alterations due to 17 lamB point mutations affecting adsorption of phage lambda.. 1983 , 2, 77-80		35
2045	The mitochondrial genome of Aspergillus nidulans contains reading frames homologous to the human URFs 1 and 4.. 1983 , 2, 427-435		33

2044	Tupaia (tree shrew) adenovirus DNA: sequence of the left-hand fragment corresponding to the transforming early region of human adenoviruses.. 1983 , 2, 2185-2188	10
2043	Structural and immunological characterization of Friend murine leukaemia virus glycopolypeptide using synthetic oligopeptides.. 1984 , 3, 1925-1930	5
2042	Note added in proof. 1984 , 3, 178-178	0
2041	Heavy riboflavin synthase from <i>Bacillus subtilis</i> . Primary structure and reaggregation of the B subunits. 1984 , 379-382	2
2040	A comparison of genomic coding sequences for feather and scale keratins: structural and evolutionary implications.. 1984 , 3, 175-178	63
2039	RNA-dependent DNA polymerase activity in cauliflower mosaic virus-infected plant leaves. 1984 , 3, 309-314	31
2038	The nucleotide sequence of a complete chicken delta-crystallin cDNA.. 1984 , 3, 1397-1402	28
2037	The DNA sequence analysis of soybean heat-shock genes and identification of possible regulatory promoter elements. 1984 , 3, 2491-2497	74
2036	Note added in proof. 1984 , 3, 314-314	0
2035	DNA sequence analysis of crown gall tumor T-DNA encoding the 0.7 kb transcript. 1984 , 12, 2317-25	2
2034	Characterization of the genes coding for the Eco RV restriction and modification system of <i>Escherichia coli</i> . 1984 , 12, 3659-76	129
2033	Subunit secondary structure in filamentous viruses: predictions and observations. 1984 , 2, 93-100	10
2032	Determination of the sequence alteration in the DNA of the herpes simplex virus type 1 temperature-sensitive mutant ts K. 1984 , 65 (Pt 5), 859-63	73
2031	Nucleotide sequence and transcription analysis of a linear DNA plasmid associated with the killer character of the yeast <i>Kluyveromyces lactis</i> . 1984 , 12, 6011-30	126
2030	Structure and expression of a complementary DNA for the nuclear coded precursor of human mitochondrial ornithine transcarbamylase. 1984 , 224, 1068-74	273
2029	Chemical aspects of the structure, function and evolution of superoxide dismutases. 1984 , 91, 307-317	27
2028	A statistical method for predicting alpha-helical and beta-sheet regions in proteins from their amino acidic sequences. 1984 , 3, 421-435	3
2027	Amino-acid sequences of proteins as autocorrelated series. 1984 , 41, 218-222	2

2026	Multisite phosphorylation of glycogen synthase. Molecular basis for the substrate specificity of glycogen synthase kinase-3 and casein kinase-II (glycogen synthase kinase-5). 1984 , 788, 339-47	171
2025	The prediction of protein domains. 1984 , 790, 117-24	29
2024	Stability and physicochemical properties of a trypsin inhibitor from winged bean seed (<i>Psophocarpus tetragonolobus</i> (L)DC). 1984 , 791, 285-93	14
2023	Computer-based characterization of epidermal growth factor precursor. 1984 , 307, 558-60	200
2022	Molecular cloning of cDNA encoding a murine haematopoietic growth regulator, granulocyte-macrophage colony stimulating factor. 1984 , 309, 763-7	399
2021	Structural and evolutionary analysis of HLA-D-region products. 1984 , 310, 235-8	56
2020	Alpha-helical coiled-coil structures of <i>Trypanosoma brucei</i> variable surface glycoproteins. 1984 , 311, 169-71	44
2019	A common function for polyoma virus large-T and papillomavirus E1 proteins?. 1984 , 311, 276-9	138
2018	Predicted folding of beta-structure in myelin basic protein. 1984 , 43, 433-47	106
2017	The surface of the African trypanosomes. 1984 , 31, 60-4	9
2016	Primary structure of flavocytochrome b2 from baker's yeast. Purification by reverse-phase high-pressure liquid chromatography and sequencing of fragment alpha cyanogen bromide peptides. 1984 , 139, 59-74	8
2015	The structure of the B subunit of calcineurin. 1984 , 139, 663-71	140
2014	Nucleotide sequence of the sucB gene encoding the dihydrolipoamide succinyltransferase of <i>Escherichia coli</i> K12 and homology with the corresponding acetyltransferase. 1984 , 141, 361-74	122
2013	Conformational studies on the pancreatic polypeptide hormone family. 1984 , 142, 379-85	148
2012	Primary structure of alpha-clostripain light chain. 1984 , 145, 469-76	16
2011	Human lactotransferrin: amino acid sequence and structural comparisons with other transferrins. 1984 , 145, 659-76	410
2010	Structural implications of primary sequences from a family of Balbiani ring-encoded proteins in <i>Chironomus</i> . 1984 , 20, 296-303	35
2009	Mitochondrial DNA of <i>Chlamydomonas reinhardtii</i> : the DNA sequence of a region showing homology with mammalian URF2. 1984 , 9, 75-82	39

2008	Delta crystallins and their nucleic acids. 1984 , 59, 33-56		85
2007	Complete sequence of the Sendai virus NP gene from a cloned insert. 1984 , 135, 279-87		61
2006	The nucleotide sequence of the env gene and post-env region of bovine leukemia virus. 1984 , 138, 82-93		138
2005	Sequence homology between the large tumor antigen of polyoma viruses and the putative E1 protein of papilloma viruses. 1984 , 138, 347-52		23
2004	The structure of mammalian rod opsins. 1984 , 24, 1501-8		32
2003	The major intrinsic protein (MIP) of the bovine lens fiber membrane: characterization and structure based on cDNA cloning. 1984 , 39, 49-59		494
2002	Remarkable conservation of structure among intermediate filament genes. 1984 , 39, 491-8		175
2001	Microtubule assembly: a review of progress, principles, and perspectives. 1984 , 36, 133-212		79
2000	Synthesis and physicochemical characterization of major fragments of human leucocyte interferon alpha 1. 1984 , 23, 2541-7		17
1999	The complete amino acid sequence of the α -amylase inhibitor I-2 from seeds of ragi (Indian finger millet, <i>Eleusine coracana</i> Gaertn.). 1984 , 167, 221-225		56
1998	Prediction structure type for human leucocyte interferon subtype A from circular dichroism. 1984 , 175, 227-30		13
1997	A highly basic N-terminal extension of the mitochondrial matrix enzyme ornithine transcarbamylase from rat liver. 1984 , 177, 41-6		20
1996	Wheat gluten elasticity: a similar molecular basis to elastin?. 1984 , 177, 205-208		81
1995	Structural studies of a french bean storage protein: phaseolin. 1984 , 6, 137-141		21
1994	A structural model for ovine rhodopsin. 1984 , 6, 73-76		45
1993	Gene 68, a new bacteriophage T4 gene which codes for the 17K prohead core protein is involved in head size determination. <i>Journal of Molecular Biology</i> , 1984 , 179, 415-30	6.5	21
1992	Human α -proteinase inhibitor. <i>Journal of Molecular Biology</i> , 1984 , 177, 531-557	6.5	667
1991	Further sequence analysis of the phage lambda receptor site. Possible implications for the organization of the lamB protein in <i>Escherichia coli</i> K12. <i>Journal of Molecular Biology</i> , 1984 , 175, 395-401	6.5	57

1990	Recognition of super-secondary structure in proteins. <i>Journal of Molecular Biology</i> , 1984 , 173, 487-514	6.5	110
1989	Amphipathic analysis and possible formation of the ion channel in an acetylcholine receptor. 1984 , 81, 155-9		473
1988	Sequence of the initiation factor IF2 gene: unusual protein features and homologies with elongation factors. 1984 , 81, 7787-91		109
1987	An evolutionary tree relating eight alphaviruses, based on amino-terminal sequences of their glycoproteins. 1984 , 81, 4702-6		17
1986	Trypanosome variant-specific glycoproteins: a polygene protein family with multiple folding patterns?. 1984 , 81, 998-1002		18
1985	The complete cDNA and deduced amino acid sequence of a type II mouse epidermal keratin of 60,000 Da: analysis of sequence differences between type I and type II keratins. 1984 , 81, 5709-13		107
1984	Structure linkage, and sequence of the two genes encoding the delta and gamma subunits of the nicotinic acetylcholine receptor. 1984 , 81, 7975-9		128
1983	Sequence of a complete chicken delta-crystallin cDNA. 1984 , 81, 2611-5		31
1982	A conformational study of a glutamine- and proline-rich cereal seed protein, C hordein. 1985 , 226, 557-62		61
1981	Prediction of homology and divergence in the secondary structure of polypeptides. 1985 , 82, 366-70		15
1980	Purification, properties and amino acid sequence of a low-Mr abundant seed protein from pea (<i>Pisum sativum</i> L.). 1985 , 225, 239-47		30
1979	The sequence of a type II keratin gene expressed in human skin: conservation of structure among all intermediate filament genes. 1985 , 82, 4683-7		119
1978	Developmentally regulated cytokeratin gene in <i>Xenopus laevis</i> . 1985 , 5, 2575-81		47
1977	The presence of a copper/zinc superoxide dismutase in the bacterium <i>Photobacterium leiognathi</i> : a likely case of gene transfer from eukaryotes to prokaryotes. 1985 , 82, 149-52		75
1976	Nucleotide sequence of an unusual regionally expressed silkworm chorion RNA: predicted primary and secondary structures of an architectural protein. 1985 , 82, 6035-9		10
1975	Repeating modular structure of the fibronectin gene: relationship to protein structure and subunit variation. 1985 , 82, 6571-5		89
1974	Isolation and characterization of the SPT2 gene, a negative regulator of Ty-controlled yeast gene expression. 1985 , 5, 1543-53		63
1973	Cloning and expression of cDNA for rat heme oxygenase. 1985 , 82, 7865-9		408

1972	Genes for gentamicin-(3)-N-acetyl-transferases III and IV. II. Nucleotide sequences of three AAC(3)-III genes and evolutionary aspects. 1985 , 198, 514-20		54
1971	Prediction of chain flexibility in proteins. 1985 , 72, 212-213		901
1970	Sequence of reovirus haemagglutinin predicts a coiled-coil structure. 1985 , 315, 421-3		117
1969	Human transforming growth factor-beta complementary DNA sequence and expression in normal and transformed cells. 1985 , 316, 701-5		1548
1968	Physical principles of protein structure and protein folding. <i>Journal of Biosciences</i> , 1985 , 8, 1-13	2.3	6
1967	A critique of the utility of the prediction of protein secondary structure. <i>Journal of Biosciences</i> , 1985 , 8, 15-23	2.3	7
1966	A statistical technique for predicting membrane protein structure. 1985 , 828, 351-61		28
1965	Analyzing the structures, functions and evolution of two abundant gastrointestinal fatty acid binding proteins with recombinant DNA and computational techniques. 1985 , 38, 137-58		61
1964	Cellular retinoid binding proteins. 1985 , 38, 175-85		24
1963	Determination of the autocorrelation orders of proteins. 1985 , 149, 375-9		5
1962	The amino acid sequence of the light chain of human high-molecular-mass kininogen. 1985 , 152, 307-14		40
1961	Preliminary identification of the secondary structure of the trp repressor from Escherichia coli. 1985 , 152, 405-9		12
1960	Complete amino acid sequence of flavocytochrome b2 from baker's yeast. 1985 , 152, 419-28		43
1959	Secondary structure of the pore-forming colicin A and its C-terminal fragment. Experimental fact and structure prediction. 1985 , 152, 681-9		61
1958	Interaction of alpha-crystallin with lens plasma membranes. Affinity for MP26. 1985 , 152, 721-8		67
1957	Nucleotide sequence of cDNA clones of the murine myb proto-oncogene.. 1985 , 4, 2003-2008		118
1956	Complete sequence of a bovine type I cytokeratin gene: conserved and variable intron positions in genes of polypeptides of the same cytokeratin subfamily.. 1985 , 4, 2261-2267		35
1955	The regulatory chain in the p36-kd substrate complex of viral tyrosine-specific protein kinases is related in sequence to the S-100 protein of glial cells.. 1985 , 4, 2917-2920		198

1954	The sequence and topology of human complement component C9.. 1985 , 4, 375-382	127
1953	Sequence of gene malG in E. coli K12: homologies between integral membrane components from binding protein-dependent transport systems.. 1985 , 4, 2287-2293	166
1952	Microcomputer programs for prediction and comparative evaluation of protein secondary structure from nucleotide sequence data: application to ribulose-1,5-bisphosphate carboxylase sequences. 1985 , 4, 319-26	7
1951	Folding patterns of porin and bacteriorhodopsin.. 1985 , 4, 1593-1597	173
1950	The wheat chloroplast gene for CF0 subunit I of ATP synthase contains a large intron. 1985 , 4, 1381-1388	104
1949	A model for the tertiary structure of p21, the product of the ras oncogene. 1985 , 230, 78-82	249
1948	Structure and expression of the M2 genomic segment of a type 2 killer virus of yeast. 1985 , 13, 4379-400	36
1947	Analysis of cloned cDNA and genomic sequences for phytochrome: complete amino acid sequences for two gene products expressed in etiolated Avena. 1985 , 13, 8543-59	198
1946	Sequence and analysis of the gene for bacteriophage T3 RNA polymerase. 1985 , 13, 6753-66	74
1945	Sequence and expression of a human type II mesothelial keratin. 1985 , 101, 2366-73	48
1944	The primary structure of the DeoR repressor from Escherichia coli K-12. 1985 , 13, 5927-36	49
1943	Variants within the yeast Ty sequence family encode a class of structurally conserved proteins. 1985 , 13, 4097-112	43
1942	The primary structure of the imported mitochondrial protein, ornithine transcarbamylase from rat liver: mRNA levels during ontogeny. 1985 , 4, 147-56	28
1941	The conformation of wheat gluten proteins. The secondary structures and thermal stabilities of β -, β -, β and β gliadins. 1985 , 3, 103-113	142
1940	Sequence determination of the Sendai virus HN gene and its comparison to the influenza virus glycoproteins. 1985 , 41, 269-78	119
1939	The nature and significance of differential keratin gene expression. 1985 , 455, 436-50	19
1938	Theory for the folding and stability of globular proteins. 1985 , 24, 1501-9	1022
1937	Detection of the myristylated gag-raf transforming protein with raf-specific antipeptide sera. 1985 , 146, 78-89	83

1936	Nucleotide sequence of a herpes simplex virus type 1 gene that causes cell fusion. 1985 , 145, 36-48		110
1935	Nucleotide sequence of the structural glycoprotein VP7 gene of Nebraska calf diarrhea virus rotavirus: comparison with homologous genes from four strains of human and animal rotaviruses. 1985 , 141, 292-8		91
1934	Structural homologies between RNA gene segments 10 and 11 from UK bovine, simian SA11, and human Wa rotaviruses. 1985 , 144, 328-36		31
1933	Complete nucleotide sequence of the M RNA segment of Rift Valley fever virus. 1985 , 144, 228-45		99
1932	Structure of interferons. 1985 , 27, 371-401		54
1931	The mitochondrial genome of the fission yeast <i>Schizosaccharomyces pombe</i> . The cytochrome b gene has an intron closely related to the first two introns in the <i>Saccharomyces cerevisiae</i> cox1 gene. <i>Journal of Molecular Biology</i> , 1985 , 184, 353-66	6.5	93
1930	La rage: Effet, sur la virulence, de mutations localisées dans le site III de la glycoprotéine. 1985 , 136, 363-372		4
1929	Nucleotide sequence of a <i>Xenopus laevis</i> mitochondrial DNA fragment containing the D-loop, flanking tRNA genes and the apocytochrome b gene. 1985 , 36, 65-78		36
1928	Determination of the cleavage site of the phage T4 prohead protease in gene product 68. Influence of protein secondary structure on cleavage specificity. <i>Journal of Molecular Biology</i> , 1985 , 186, 665-7	6.5	7
1927	Confidence limits for homology in protein or gene sequences. The c-myc oncogene and adenovirus E1a protein. <i>Journal of Molecular Biology</i> , 1985 , 185, 39-49	6.5	24
1926	Intermediate filament structure: 1. Analysis of IF protein sequence data. 1985 , 7, 203-213		94
1925	Turns in peptides and proteins. 1985 , 37, 1-109		1372
1924	Primary structure of the succinyl-CoA synthetase of <i>Escherichia coli</i> . 1985 , 24, 6245-52		77
1923	Sequence homology among the coat proteins of gemini viruses. 1985 , 130, 892-6		4
1922	Cholera toxin A subunit: functional sites correlated with regions of secondary structure. 1985 , 239, 549-55		7
1921	The structure of the voltage-sensitive sodium channel. Inferences derived from computer-aided analysis of the <i>Electrophorus electricus</i> channel primary structure. 1985 , 193, 125-34		167
1920	The amino acid sequence of hemoglobin I from <i>Parasponia andersonii</i> , a nonleguminous plant. 1985 , 180, 55-60		20
1919	Comparison of the predicted secondary structure of aphid transmission factor for transmissible and non-transmissible cauliflower mosaic virus strains. 1985 , 181, 223-228		7

1918	Structural model for interferons. 1985 , 186, 143-8	23
1917	The influence of tertiary structure on secondary structure prediction. 1985 , 188, 59-62	15
1916	Identification of the stable free radical tyrosine residue in ribonucleotide reductase. A sequence comparison. 1985 , 183, 99-102	38
1915	Domain structure and evolution in alpha-crystallins and small heat-shock proteins. 1985 , 181, 1-6	146
1914	Physical and immunological analysis of the two domains isolated from a variant surface glycoprotein of <i>Trypanosoma brucei</i> . 1986 , 249, 427-36	11
1913	The primary structure of cytochrome P-450d purified from rat liver microsomes: prediction of helical regions and domain analysis. 1986 , 244, 323-37	18
1912	Amino acid sequence of conglutin β a sulfur-rich seed protein of <i>Lupinus angustifolius</i> L. 1986 , 195, 235-241	38
1911	Sequence analysis of bovine retinal S-antigen. Relationships with alpha-transducin and G-proteins. 1986 , 196, 23-8	84
1910	An algorithm for secondary structure determination in proteins based on sequence similarity. 1986 , 205, 303-8	212
1909	Prediction of protein structural class by discriminant analysis. 1986 , 874, 205-15	79
1908	The herpes simplex virus type 2 equivalent of the herpes simplex virus type 1 US7 gene and its flanking sequences. 1986 , 153, 1-11	6
1907	The properties and sequence of glycoprotein H of herpes simplex virus type 1. 1986 , 153, 230-47	196
1906	Tobacco mosaic virus coat protein and the large subunit of the host protein ribulose-1,5-biphosphate carboxylase share a common antigenic determinant. 1986 , 155, 262-6	15
1905	The nucleotide sequence of the gB glycoprotein gene of HSV-2 and comparison with the corresponding gene of HSV-1. 1986 , 155, 322-33	83
1904	The nucleotide sequence of the mRNA encoding the fusion protein of measles virus (Edmonston strain): a comparison of fusion proteins from several different paramyxoviruses. 1986 , 155, 508-23	159
1903	Amphiphilic growth hormone releasing factor (GRF) analogs: peptide design and biological activity in vivo. 1986 , 139, 763-70	19
1902	A Sequence Analysis Program for the Macintosh Computera. 1986 , 478, 281-282	
1901	The role of Lys 394 in microtubule assembly. 1986 , 466, 467-81	12

1900	Nucleotide sequence of the <i>Erwinia chrysanthemi</i> NCPPB 1066 L-asparaginase gene. 1986 , 46, 25-35	55
1899	Sequence similarities among the family of aminoacyl-tRNA synthetases. 1986 , 68, 1071-8	185
1898	A Raman spectroscopic study of hen egg yolk phosphatidylcholine: structures in solution and in the solid state. 1986 , 25, 2792-8	50
1897	The cDNA sequence for the protein-tyrosine kinase substrate p36 (calpactin I heavy chain) reveals a multidomain protein with internal repeats. 1986 , 46, 201-12	289
1896	Sequence analysis of the pyr-4 (orotidine 5'-P decarboxylase) gene of <i>Neurospora crassa</i> . 1986 , 43, 51-8	46
1895	N-terminal domain of the bacteriophage lambda repressor: investigation of secondary structure and tyrosine hydrogen bonding in wild-type and mutant sequences by Raman spectroscopy. 1986 , 25, 6768-78	19
1894	Microtubule assembly is dependent on a cluster of basic residues in alpha-tubulin. 1986 , 25, 4572-82	41
1893	Conformational analysis of thymidylate synthase from amino acid sequence and circular dichroism. 1986 , 25, 6650-5	16
1892	The elucidation of protein function from its amino acid sequence. 1986 , 2, 181-7	4
1891	Influence on stability in <i>Escherichia coli</i> of the carboxy-terminal structure of cloned Moloney murine leukemia virus reverse transcriptase. 1986 , 5, 271-9	25
1890	Turn prediction in proteins using a pattern-matching approach. 1986 , 25, 266-75	207
1889	Homology between cellulase genes of <i>Trichoderma reesei</i> : complete nucleotide sequence of the endoglucanase I gene. 1986 , 45, 253-63	267
1888	Helical coiled coils: a widespread motif in proteins. <i>Trends in Biochemical Sciences</i> , 1986 , 11, 245-248	10.3 333
1887	Mitochondrial gene URFN of <i>Neurospora crassa</i> codes for a long polypeptide with highly repetitive structure. <i>Journal of Molecular Biology</i> , 1986 , 191, 589-99	6.5 11
1886	Structure of human erythrocyte glycophorin C deduced from cDNA analysis. 1986 , 29, 267-85	3
1885	The nucleotide sequence of the malT gene encoding the positive regulator of the <i>Escherichia coli</i> maltose regulon. 1986 , 42, 201-8	57
1884	malM, a new gene of the maltose regulon in <i>Escherichia coli</i> K12. I. malM is the last gene of the malK-lamB operon and encodes a periplasmic protein. <i>Journal of Molecular Biology</i> , 1986 , 191, 303-11	6.5 29
1883	Amber mutants in gene 67 of phage T4. Effects on formation and shape determination of the head. <i>Journal of Molecular Biology</i> , 1986 , 190, 83-95	6.5 14

1882	The nucleotide sequence of gene 21 of bacteriophage T4 coding for the prohead protease. 1986 , 49, 245-51		21
1881	A mechanism for the insertion of complement component C9 into target membranes. 1986 , 23, 451-8		63
1880	Protein surface analysis. Methods for identifying antigenic determinants and other interaction sites. 1986 , 88, 1-18		147
1879	Identification of protein sequence homology by consensus template alignment. <i>Journal of Molecular Biology</i> , 1986 , 188, 233-58	6.5	270
1878	Nucleotide sequence of the Paramecium primaurelia G surface protein. A huge protein with a highly periodic structure. <i>Journal of Molecular Biology</i> , 1986 , 189, 47-60	6.5	88
1877	A new membrane-associated DNA replication protein, the gene 69 product of bacteriophage T4, shares a patch of homology with the Escherichia coli dnaA protein. <i>Journal of Molecular Biology</i> , 1986 , 189, 243-8	6.5	22
1876	Calmodulin binding domains: characterization of a phosphorylation and calmodulin binding site from myosin light chain kinase. 1986 , 25, 1458-64		320
1875	The bacteriophage T4 gene for the small subunit of ribonucleotide reductase contains an intron.. 1986 , 5, 2031-2036		68
1874	Evolution and higher-order structure of architectural proteins in silkworm chorion.. 1986 , 5, 1981-1989		13
1873	Immunochemical detection of proteins related to the human c-myc exon 1.. 1986 , 5, 2241-2250		26
1872	The neuropeptide head activator loses its biological activity by dimerization.. 1986 , 5, 1825-1829		31
1871	Sequence and domain relationships of ntrC and nifA from Klebsiella pneumoniae: homologies to other regulatory proteins.. 1986 , 5, 441-447		223
1870	A 22-kd protein (sorcin/V19) encoded by an amplified gene in multidrug-resistant cells, is homologous to the calcium-binding light chain of calpain.. 1986 , 5, 3201-3208		99
1869	Selective radiolabelling and identification of a strong nucleosome binding site on the globular domain of histone H5.. 1986 , 5, 3531-3537		35
1868	Amino acid sequence and gene organization of cytokeratin no. 19, an exceptional tail-less intermediate filament protein.. 1986 , 5, 1865-1875		111
1867	Rat apolipoprotein A-IV: application of computational methods for studying the structure, function, and evolution of a protein. 1986 , 128, 753-73		10
1866	Purification and characterization of fimbriae from Salmonella enteritidis. 1986 , 168, 221-7		44
1865	The predicted secondary structure of enolase. 1986 , 236, 127-30		19

1864	Primary structure of a structural protein from the cuticle of the migratory locust, <i>Locusta migratoria</i> . 1986 , 236, 713-20	43
1863	Evidence for interactions between the 30 kDa N- and 50 kDa C-terminal tryptic fragments of human lactotransferrin. 1986 , 236, 839-44	30
1862	Complete structure of the hydrophilic domain in the porcine NADPH-cytochrome P-450 reductase. 1986 , 236, 871-8	19
1861	Structural studies on lamin. Similarities and differences between lamin and intermediate-filament proteins. 1986 , 238, 305-8	63
1860	Structure of rat DNA polymerase beta revealed by partial amino acid sequencing and cDNA cloning. 1986 , 83, 5106-10	78
1859	Molecular cloning and complete sequence of prion protein cDNA from mouse brain infected with the scrapie agent. 1986 , 83, 6372-6	152
1858	Immunization with synthetic peptides of a <i>Plasmodium falciparum</i> surface antigen induces antimerozoite antibodies. 1986 , 83, 8328-32	74
1857	Isolation of the gene and hypothalamic cDNA for the common precursor of gonadotropin-releasing hormone and prolactin release-inhibiting factor in human and rat. 1986 , 83, 179-83	306
1856	Bifunctional thymidylate synthase-dihydrofolate reductase from <i>Leishmania tropica</i> : sequence homology with the corresponding monofunctional proteins. 1986 , 83, 5387-91	84
1855	Characterization of two related Epstein-Barr virus-encoded membrane proteins that are differentially expressed in Burkitt lymphoma and in vitro-transformed cell lines. 1986 , 83, 5703-7	50
1854	Structure of the <i>Saccharomyces cerevisiae</i> HO gene and analysis of its upstream regulatory region. 1986 , 6, 4281-94	148
1853	Piliation control mechanisms in <i>Neisseria gonorrhoeae</i> . 1986 , 83, 3890-4	121
1852	Nucleotide sequence of the mRNA encoding the cytosolic form of phosphoenolpyruvate carboxykinase (GTP) from the chicken. 1986 , 83, 7583-7	56
1851	Evaluation of methods for the prediction of membrane protein secondary structures. 1986 , 83, 9423-7	72
1850	Secondary structure of component 8c-1 of alpha-keratin. An analysis of the amino acid sequence. 1986 , 236, 705-12	77
1849	Isolation of a thermostable enzyme variant by cloning and selection in a thermophile. 1986 , 83, 576-80	237
1848	Three tightly linked genes encoding human type I keratins: conservation of sequence in the 5'-untranslated leader and 5'-upstream regions of coexpressed keratin genes. 1986 , 6, 539-48	86
1847	Homology between DNA polymerases of poxviruses, herpesviruses, and adenoviruses: nucleotide sequence of the vaccinia virus DNA polymerase gene. 1986 , 83, 3659-63	156

1846	Link protein cDNA sequence reveals a tandemly repeated protein structure. 1986 , 83, 3761-5	69
1845	Investigations of primary and secondary structure of porcine ubiquitin. Its N epsilon-acetylated lysine derivative. 1986 , 18, 473-6	5
1844	Evolutionary similarity among peptide segments is a basis for prediction of protein folding. 1986 , 25, 1565-77	42
1843	Prediction of protein structural class from the amino acid sequence. 1986 , 25, 1659-72	160
1842	Regulation of cockroach oothecin synthesis by juvenile hormone. 1986 , 3, 59-73	17
1841	A model for the acetylcholine binding site of the nicotinic acetylcholine receptor. 1986 , 16, 51-73	20
1840	Evidence for conformational differences in aqueous and crystalline structures of Bungarotoxin and cobratoxin. 1986 , 42, 215-222	5
1839	Comprehensive molecular modelling system. 1986 , 4, 134-142	9
1838	Computer models of the human immunoglobulins shape and segmental flexibility. 1986 , 7, 174-8	63
1837	Sequence homologies of glucose-dehydrogenases of <i>Bacillus megaterium</i> and <i>Bacillus subtilis</i> . 1986 , 120, 489-97	2
1836	Chloroplast ATP synthase of spinach contains nine nonidentical subunit species, six of which are encoded by plastid chromosomes in two operons in a phylogenetically conserved arrangement. 1986 , 203, 117-128	135
1835	A molecular genetic approach to the functioning of the immunity protein to colicin A. 1986 , 202, 455-60	29
1834	Structural features of ribonucleotide reductase. 1986 , 1, 376-84	59
1833	Sequence, structure, receptor-binding domains and internal repeats of human apolipoprotein B-100. 1986 , 323, 738-42	413
1832	The classification of amino acid conservation. 1986 , 119, 205-18	447
1831	Cytokeratin expression in simple epithelia. II. cDNA cloning and sequence characteristics of bovine cytokeratin A (no. 8). 1986 , 30, 254-64	59
1830	Isolation, characterization, and N-terminal sequence studies of cuticular proteins from the migratory locust, <i>Locusta migratoria</i> . 1986 , 154, 153-9	54
1829	Completion of the primary structure of human high-molecular-mass kininogen. The amino acid sequence of the entire heavy chain and evidence for its evolution by gene triplication. 1986 , 154, 471-8	67

1828	Nucleotide sequence of cloned cDNA specific for rat ribosomal protein L35a. 1986 , 154, 523-7	26
1827	Nucleotide sequence of the pntA and pntB genes encoding the pyridine nucleotide transhydrogenase of <i>Escherichia coli</i> . 1986 , 158, 647-53	91
1826	Structure predictions and surface charge of nitrogenase flavodoxins from <i>Klebsiella pneumoniae</i> and <i>Azotobacter vinelandii</i> . 1986 , 159, 549-53	14
1825	Effect of deletions within the leader peptide of pre-ornithine transcarbamylase on mitochondrial import. 1986 , 161, 19-23	27
1824	Circular dichroism studies on chromatin models. Interactions between DNA and sequential polypeptides containing arginine. 1986 , 161, 185-90	7
1823	Identification of proteins encoded by variant surface glycoprotein expression site-associated genes in <i>Trypanosoma brucei</i> . 1986 , 21, 189-97	44
1822	Amino acid sequence homology applied to the prediction of protein secondary structures, and joint prediction with existing methods. 1986 , 871, 45-54	80
1821	The complete amino-acid sequence of the endogenous α -amylase inhibitor in wheat. 1986 , 871, 250-256	32
1820	Examination of folding patterns for predicting protein topologies. 1986 , 870, 327-38	11
1819	The molecular organisation of the photosynthetic membranes of higher plants. 1986 , 864, 33-94	170
1818	The carboxy-terminal region of haemolysin 2001 is required for secretion of the toxin from <i>Escherichia coli</i> . 1986 , 205, 127-33	100
1817	Complete amino acid sequence of the α -amylase/subtilisin inhibitor from barley. 1986 , 51, 43-50	64
1816	Conserved repeats in diverged ice nucleation structural genes from two species of <i>Pseudomonas</i> . 1986 , 14, 8047-60	87
1815	Sigma factors from <i>E. coli</i> , <i>B. subtilis</i> , phage SP01, and phage T4 are homologous proteins. 1986 , 14, 6745-63	466
1814	Nonepidermal members of the keratin multigene family: cDNA sequences and in situ localization of the mRNAs. 1986 , 14, 751-63	62
1813	Pertussis toxin gene: nucleotide sequence and genetic organization. 1986 , 232, 1258-64	323
1812	PEPPLOT, a protein secondary structure analysis program for the UWGCG sequence analysis software package. 1986 , 14, 327-34	70
1811	Epidermal α -Keratins: Structural Diversity and Changes During Tissue Differentiation. 1986 , 644-665	4

1810	Nucleotide sequence of the gene encoding the matrix protein of Newcastle disease virus. 1986 , 14, 9051-61	50
1809	A tandemly-oriented late gene cluster within the vaccinia virus genome. 1986 , 14, 3003-16	58
1808	An Application of Dynamic Programming to Pattern Recognition. 1986 , 37, 35	
1807	Nucleotide sequence of Rhizobium meliloti RCR2011 genes involved in host specificity of nodulation. 1986 , 14, 7453-72	156
1806	A collection of programs for nucleic acid and protein analysis, written in FORTRAN 77 for IBM-PC compatible microcomputers. 1986 , 14, 455-65	28
1805	Prediction of protein structure. 1986 , 130, 185-207	36
1804	An analysis of the biological properties of monoclonal antibodies against glycoprotein D of herpes simplex virus and identification of amino acid substitutions that confer resistance to neutralization. 1986 , 67 (Pt 6), 1001-13	166
1803	Nucleotide sequence analysis of the haemagglutinin-neuraminidase gene of Newcastle disease virus. 1986 , 67 (Pt 9), 1917-27	77
1802	Nucleotide sequence analysis of the L gene of Newcastle disease virus: homologies with Sendai and vesicular stomatitis viruses. 1987 , 15, 3961-76	58
1801	Two-dimensional abstract representations (signatures) of proteins. 1987 , 3, 171-5	1
1800	The herpes simplex virus type 1 DNA polymerase gene: site of phosphonoacetic acid resistance mutation in strain Angelotti is highly conserved. 1987 , 68 (Pt 5), 1429-33	47
1799	Isolation and characterization of cDNA clones for rat ribophorin I: complete coding sequence and in vitro synthesis and insertion of the encoded product into endoplasmic reticulum membranes. 1987 , 104, 855-63	45
1798	Synthesis of a sequence-specific DNA-cleaving peptide. 1987 , 238, 1129-32	135
1797	Recruitment of enzymes as lens structural proteins. 1987 , 236, 1554-6	335
1796	Human lipoprotein lipase complementary DNA sequence. 1987 , 235, 1638-41	466
1795	Conservation of the Duchenne muscular dystrophy gene in mice and humans. 1987 , 238, 347-50	226
1794	Sequence analysis on microcomputers. 1987 , 238, 97-103	9
1793	Characterisation of cDNA clones for hypoxanthine-guanine phosphoribosyltransferase from the human malarial parasite, Plasmodium falciparum: comparisons to the mammalian gene and protein. 1987 , 15, 10469-81	49

1792	Precursor-product relationship between vitellogenin and the yolk proteins as derived from the complete sequence of a <i>Xenopus</i> vitellogenin gene. 1987 , 15, 4737-60	122
1791	A modified Chou and Fasman protein structure algorithm. 1987 , 3, 211-6	14
1790	Complete nucleotide sequence and deduced polypeptide sequence of a nonmuscle myosin heavy chain gene from <i>Acanthamoeba</i> : evidence of a hinge in the rodlike tail. 1987 , 105, 913-25	123
1789	Characterization and chromosomal localization of a cDNA encoding brain amyloid of Alzheimer's disease. 1987 , 235, 877-80	1223
1788	Cloning and sequence analysis of cDNA encoding p38, a major synaptic vesicle protein. 1987 , 105, 2447-56	124
1787	<i>Escherichia coli</i> rep gene: sequence of the gene, the encoded helicase, and its homology with <i>uvrD</i> . 1987 , 15, 465-75	57
1786	Amino acid sequence of the human fibronectin receptor. 1987 , 105, 1183-90	538
1785	Calretinin: a gene for a novel calcium-binding protein expressed principally in neurons. 1987 , 105, 1343-53	503
1784	The human keratin genes and their differential expression. 1987 , 22, 5-34	93
1783	The partial amino acid sequence of bovine cartilage proteoglycan, deduced from a cDNA clone, contains numerous Ser-Gly sequences arranged in homologous repeats. 1987 , 243, 255-9	83
1782	The G glycoprotein of human respiratory syncytial viruses of subgroups A and B: extensive sequence divergence between antigenically related proteins. 1987 , 84, 5625-9	373
1781	The use of structural profiles and parametric sequence comparison in the rational design of polypeptides. 1987 , 154, 450-73	10
1780	Chapter 8 The immunoglobulin superfamily. 1987 , 203-239	2
1779	Synthetic peptide homologous to beta protein from Alzheimer disease forms amyloid-like fibrils in vitro. 1987 , 84, 6953-7	479
1778	Peptide and nucleotide sequences of rat CD4 (W3/25) antigen: evidence for derivation from a structure with four immunoglobulin-related domains. 1987 , 84, 1649-53	144
1777	Mutations in the human adenosine deaminase gene that affect protein structure and RNA splicing. 1987 , 84, 5947-51	42
1776	Three rat preprotachykinin mRNAs encode the neuropeptides substance P and neurokinin A. 1987 , 84, 881-5	517
1775	Sequence of the cDNA encoding the laminin B1 chain reveals a multidomain protein containing cysteine-rich repeats. 1987 , 84, 935-9	361

1774	Amino acid sequence of rabbit fast-twitch skeletal muscle calsequestrin deduced from cDNA and peptide sequencing. 1987 , 84, 1167-71		226
1773	Theoretically determined three-dimensional structure for the repeating tetrapeptide unit of the circumsporozoite coat protein of the malaria parasite <i>Plasmodium falciparum</i> . 1987 , 84, 4470-4		27
1772	Nucleotide sequence of the gene from the cyanobacterium <i>Anacystis nidulans</i> R2 encoding the Mn-stabilizing protein involved in photosystem II water oxidation. 1987 , 84, 8230-4		80
1771	Primary and secondary structure of bovine retinal S antigen (48-kDa protein). 1987 , 84, 6975-9		181
1770	Homology between the DNA-binding domain of the GCN4 regulatory protein of yeast and the carboxyl-terminal region of a protein coded for by the oncogene jun. 1987 , 84, 3316-9		265
1769	Sequence homologies between proteins of bacterial phosphoenolpyruvate-dependent sugar phosphotransferase systems: identification of possible phosphate-carrying histidine residues. 1987 , 84, 4777-80		53
1768	Tertiary templates for proteins. Use of packing criteria in the enumeration of allowed sequences for different structural classes. <i>Journal of Molecular Biology</i> , 1987 , 193, 775-91	6.5	1366
1767	High-affinity L-arabinose transport operon. Nucleotide sequence and analysis of gene products. <i>Journal of Molecular Biology</i> , 1987 , 197, 37-46	6.5	68
1766	The chemical structure of the C4d fragment of the human complement component C4. 1987 , 24, 1187-97		18
1765	The murine homeo domain protein Hox 1.1. 1987 , 511, 88-100		4
1764	Computer-aided design in protein engineering. 1987 , 501, 1-13		1
1763	Homologous domains in <i>Trichoderma reesei</i> cellulolytic enzymes: gene sequence and expression of cellobiohydrolase II. 1987 , 51, 43-52		295
1762	Human acidic ribosomal phosphoproteins P0, P1, and P2: analysis of cDNA clones, in vitro synthesis, and assembly. 1987 , 7, 4065-74		269
1761	Bacterial Ice Nucleation: Molecular Biology and Applications. 1987 , 5, 107-136		24
1760	Structure of the ColE1 rop protein at 1.7 Å resolution. <i>Journal of Molecular Biology</i> , 1987 , 196, 657-75	6.5	280
1759	Prohead and DNA-gp3-dependent ATPase activity of the DNA packaging protein gp16 of bacteriophage phi 29. <i>Journal of Molecular Biology</i> , 1987 , 197, 229-36	6.5	237
1758	Gene families encode the major encystment-specific proteins of <i>Physarum polycephalum</i> plasmodia. 1987 , 59, 265-77		53
1757	Sequence analysis of the murine Hox-2.2, -2.3, and -2.4 homeo boxes: evolutionary and structural comparisons. 1987 , 1, 182-95		91

1756	A mutation in the human glucocerebrosidase gene in neuronopathic Gaucher's disease. 1987 , 316, 570-5	286
1755	Comparison of the reovirus serotype 1, 2, and 3 S3 genome segments encoding the nonstructural protein sigma NS. 1987 , 161, 332-9	40
1754	Nucleotide sequence and expression in Escherichia coli of the gene encoding the nonstructural protein NCVP2 of bovine rotavirus. 1987 , 161, 138-44	25
1753	Primary structure of the polymerase acidic (PA) gene of an influenza B virus (B/Sing/222/79). 1987 , 159, 147-53	16
1752	Cloning and sequencing of the mumps virus fusion protein gene. 1987 , 159, 381-8	61
1751	Studies on rationales for an expert system approach to the interpretation of protein sequence data. Preliminary analysis of the human epidermal growth factor receptor. 1987 , 214, 219-25	11
1750	A model of the nucleotide-binding site in tubulin. 1987 , 214, 226-35	65
1749	Prothoracicotrophic hormone has an insulin-like tertiary structure. 1987 , 219, 419-25	56
1748	A structural model for the alpha-subunit of transducin. Implications of its role as a molecular switch in the visual signal transduction mechanism. 1987 , 220, 15-22	29
1747	The GATATC-modification enzyme EcoRV is closely related to the GATC-recognizing methyltransferases DpnII and dam from E. coli and phage T4. 1987 , 220, 167-76	68
1746	The 3'-orf protein of human immunodeficiency virus shows structural homology with the phosphorylation domain of human interleukin-2 receptor and the ATP-binding site of the protein kinase family. 1987 , 218, 81-6	44
1745	Investigation of the structure and function of the human erythrocyte glucose transporter by proteolytic dissection. 1987 , 905, 295-310	76
1744	Changes in the secondary structure of apolipoprotein B-100 after Cu ²⁺ -catalysed oxidation of human low-density lipoproteins monitored by Fourier transform infrared spectroscopy. 1987 , 922, 145-54	34
1743	Conformational predictive studies on the activation segment of pancreatic procarboxypeptidases. 1987 , 149, 729-34	3
1742	The isolation and characterisation of a cDNA clone for human lecithin:cholesterol acyl transferase and its use to analyse the genes in patients with LCAT deficiency and fish eye disease. 1987 , 148, 161-9	34
1741	Molecular cloning of the S-antigen cDNA from bovine retina. 1987 , 142, 904-10	84
1740	The c4 gene of phage P1. 1987 , 156, 197-203	14
1739	Cloning and nucleotide sequence of Newcastle disease virus hemagglutinin-neuraminidase mRNA: identification of a putative sialic acid binding site. 1987 , 156, 12-24	94

1738	Analysis of disulfides present in the membrane proteins of the West Nile flavivirus. 1987 , 156, 127-37		87
1737	Resistance of vaccinia virus to rifampicin conferred by a single nucleotide substitution near the predicted NH2 terminus of a gene encoding an Mr 62,000 polypeptide. 1987 , 156, 138-45		59
1736	Folding and association of proteins. 1987 , 49, 117-237		571
1735	Comparison of protein structural profiles by interactive computer graphics. 1987 , 5, 4-7		4
1734	Immunogenicity of synthetic peptides corresponding to regions of the major inner capsid protein of bovine rotavirus (BRV). 1987 , 138, 437-450		5
1733	Molecular structure and early events in the replication of Tacaribe arenavirus S RNA. 1987 , 7, 309-24		75
1732	Analysis of the primary structure of P-fimbrillins of uropathogenic Escherichia coli. 1987 , 3, 149-54		28
1731	N-terminal sequences of oat avenins compared to other cereal prolamins. 1987 , 69, 683-9		16
1730	Further developments of protein secondary structure prediction using information theory. New parameters and consideration of residue pairs. <i>Journal of Molecular Biology</i> , 1987 , 198, 425-43	6.5	485
1729	Human muscle neural cell adhesion molecule (N-CAM): identification of a muscle-specific sequence in the extracellular domain. 1987 , 50, 1119-30		205
1728	Monoclonal antibody 1a3 recognizes a monomorphic epitope unique to DQ molecules. 1987 , 20, 59-70		32
1727	Peroxisomal acyl-coenzyme A oxidase multigene family of the yeast <i>Candida tropicalis</i> ; nucleotide sequence of a third gene and its protein product. 1987 , 58, 37-44		50
1726	Prediction of protein secondary structure and active sites using the alignment of homologous sequences. <i>Journal of Molecular Biology</i> , 1987 , 195, 957-61	6.5	375
1725	A survey on cytosolic non-enzymic proteins involved in the metabolism of lipophilic compounds: from organic anion binders to new protein families. 1987 , 69, 1127-52		33
1724	cDNA sequences of two apolipoproteins from lamprey. 1987 , 26, 1611-7		26
1723	The protein synthesis initiation factor 2 G-domain. Study of a functionally active C-terminal 65-kilodalton fragment of IF2 from <i>Escherichia coli</i> . 1987 , 26, 5070-6		57
1722	Prediction of a common structural domain in aminoacyl-tRNA synthetases through use of a new pattern-directed inference system. 1987 , 26, 6950-7		45
1721	Characterization and mapping of the <i>Bacillus subtilis</i> prtR gene. 1987 , 169, 434-7		42

1720	Sequence analysis of the 17-kilodalton-antigen gene from <i>Rickettsia rickettsii</i> . 1987 , 169, 2385-90	52
1719	Structural relatedness of lysis proteins from colicinogenic plasmids and icosahedral coliphages. 1987 , 4, 544-56	12
1718	Related functional domains in virus DNA polymerases.. 1987 , 6, 169-175	187
1717	The human mid-size neurofilament subunit: a repeated protein sequence and the relationship of its gene to the intermediate filament gene family.. 1987 , 6, 1617-1626	194
1716	Synaptophysin: molecular organization and mRNA expression as determined from cloned cDNA.. 1987 , 6, 3261-3268	133
1715	Structure and sequence of the <i>Drosophila zeste</i> gene.. 1987 , 6, 791-799	56
1714	The structure of cell adhesion molecule uvomorulin. Insights into the molecular mechanism of Ca ²⁺ -dependent cell adhesion.. 1987 , 6, 3647-3653	200
1713	Plasmid location, cloning, and sequence analysis of the gene encoding a 27.3-kilodalton cytolytic protein from <i>Bacillus thuringiensis</i> subsp. <i>morrisoni</i> (PG-14). 1987 , 16, 171-177	30
1712	Sequence comparisons between <i>Agrobacterium tumefaciens</i> T-DNA-encoded octopine and nopaline dehydrogenases and other nucleotide-requiring enzymes: Structural and evolutionary implications. 1987 , 25, 46-57	12
1711	Molecular biological methods in the diagnosis of viral disease. 1987 , 43, 1189-92	3
1710	Identification of a female-sterile mutation affecting yolk protein 2 in <i>Drosophila melanogaster</i> . 1987 , 209, 360-5	7
1709	The molecular organization of the lysostaphin gene and its sequences repeated in tandem. 1987 , 209, 563-9	67
1708	Nucleotide sequence of cDNA clones encoding the complete 83 kDa precursor protein associated with the photosynthetic oxygen-evolving complex from spinach. 1987 , 207, 288-293	95
1707	Identification of components of a new stability system of plasmid R1, ParD, that is close to the origin of replication of this plasmid. 1987 , 210, 101-10	121
1706	Molecular consequences of two formaldehyde-induced mutations in the alcohol dehydrogenase gene of <i>Drosophila melanogaster</i> . 1987 , 25, 621-38	11
1705	Cloning and characterization of keratin D, a murine endodermal cytoskeletal protein induced during in vitro differentiation of F9 teratocarcinoma cells. 1987 , 196, 16-21	12
1704	Relationship between hydropathic variability and functional properties of alpha-lactalbumins and type c lysozymes. 1987 , 126, 91-100	4
1703	Prediction of secondary structure by evolutionary comparison: application to the alpha subunit of tryptophan synthase. 1987 , 2, 118-29	120

1702	Molecular genetics of the VDAC ion channel: structural model and sequence analysis. <i>Journal of Bioenergetics and Biomembranes</i> , 1987 , 19, 341-50	3.7	115
1701	Structure-function relationships among Lathyrus lectins. 1987 , 4, 371-378		8
1700	Structure of a major pea seed albumin: Implication of a free sulphhydryl group. 1987 , 41, 167-178		27
1699	A computerized version of the Chou and Fasman method for predicting the secondary structure of proteins. 1987 , 163, 292-7		17
1698	Sequence analysis of a cDNA clone of a gene encoding a component of a putative phosphorylcholine-specific T suppressor factor and functional property of its gene product. 1987 , 17, 247-53		3
1697	Helix-coil transition theory including long-range electrostatic interactions: application to globular proteins. 1987 , 26, 351-71		50
1696	Correlation between computed conformational properties of cytochrome c peptides and their antigenicity in a T-lymphocyte proliferation assay. 1987 , 26, 373-86		7
1695	Structural models for the N- and C-terminal telopeptide regions of interstitial collagens. 1987 , 26, 463-80		34
1694	Expert system for protein engineering: its application in the study of chloramphenicol acetyltransferase and avian pancreatic polypeptide. 1987 , 5, 8-17		25
1693	Prediction of the structure of proteins using related structures, energy minimization and computer graphics. 1987 , 5, 133-140		13
1692	Amino acid sequence and structural repeats in schistosome paramyosin match those of myosin. 1987 , 7, 11-6		40
1691	Single- and two-chain legume lectins as phylogenetic markers of speciation. 1987 , 15, 341-348		13
1690	A simple microcomputer program for predicting the secondary structure of proteins. 1987 , 24, 207-8		2
1689	Primary and secondary structure of antifreeze peptides from arctic and antarctic zoarcid fishes. 1987 , 915, 357-70		31
1688	Molecular cloning and sequence analysis of the (Na ⁺ + K ⁺)-ATPase beta subunit from dog kidney. 1987 , 912, 244-53		57
1687	Secondary structure predictions and medium range interactions. 1987 , 916, 200-4		139
1686	On the tertiary structure of the extracellular domains of the epidermal growth factor and insulin receptors. 1987 , 916, 220-6		118
1685	The use of folding patterns in the prediction of protein topologies. 1987 , 916, 54-65		3

1684	Spectroscopic studies on the structural organization of the lectin discoidin I: homologies with fibronectin. 1987 , 911, 11-8	4
1683	Conformation similarities of the globular and tailed forms of acetylcholinesterase from <i>Torpedo californica</i> . 1987 , 911, 25-36	14
1682	Structural and spectroscopic comparison of manganese-containing superoxide dismutases. 1987 , 915, 225-37	19
1681	Construction and properties of a chimeric bacteriophage lysis gene. 1987 , 48, 19-24	11
1680	Critical amino acids of p21 protein are located within beta-turns: further evaluation. 1987 , 128, 339-47	4
1679	The origin of the immune system. The possibility that immunoglobulin superfamily molecules and cell adhesion molecules of chicken and slime mould are all related. 1987 , 25, 485-95	32
1678	Mammalian and bacterial sugar transport proteins are homologous. 1987 , 325, 641-3	376
1677	Clathrin light chains contain brain-specific insertion sequences and a region of homology with intermediate filaments. 1987 , 326, 154-9	134
1676	A bacterial calcium-binding protein homologous to calmodulin. 1987 , 329, 84-5	95
1675	A structural model for the retroviral proteases. 1987 , 329, 351-4	570
1674	Localization of a conserved epitope and an azurin-like domain in the H.8 protein of pathogenic <i>Neisseria</i> . 1987 , 1, 179-85	36
1673	Sequence of nifL from <i>Klebsiella pneumoniae</i> : mode of action and relationship to two families of regulatory proteins. 1987 , 1, 37-44	69
1672	Nucleotide sequencing of the structural gene for colicin N reveals homology between the catalytic, C-terminal domains of colicins A and N. 1987 , 1, 317-25	65
1671	cDNA cloning, sequencing and chromosome mapping of a non-erythroid spectrin, human alpha-fodrin. 1987 , 34, 68-78	62
1670	Amino acid substitutions in subunit 9 of the mitochondrial ATPase complex of <i>Saccharomyces cerevisiae</i> . Sequence analysis of a series of revertants of an oli1 mit- mutant carrying an amino acid substitution in the hydrophilic loop of subunit 9. 1987 , 167, 291-7	14
1669	Rat glycine methyltransferase. Complete amino acid sequence deduced from a cDNA clone and characterization of the genomic DNA. 1987 , 168, 141-51	39
1668	Complete amino acid sequence of an immunoreactive form of human pancreatic stone protein isolated from pancreatic juice. 1987 , 168, 201-7	66
1667	Nucleotide sequence of the cDNA encoding the precursor for mitochondrial serine:pyruvate aminotransferase of rat liver. 1987 , 168, 537-42	48

1666	Complete amino acid sequence of a basic 21-kDa protein from bovine brain cytosol. 1987 , 166, 333-8	78
1665	Mutagenesis of murine granulocyte/macrophage-colony-stimulating factor reveals critical residues near the N terminus. 1987 , 169, 353-8	23
1664	Human 27-kDa calbindin complementary DNA sequence. Evolutionary and functional implications. 1987 , 170, 207-15	67
1663	The relationship between structure and specificity of α -amylases. 1987 , 1, 407-411	6
1662	Sequence analysis of murine cytokeratin endo A (no. 8) cDNA. Evidence for mRNA species initiated upstream of the normal 5' end in PCC4 cells. 1988 , 37, 40-6	30
1661	Primary structure of the uracil transport protein of <i>Saccharomyces cerevisiae</i> . 1988 , 171, 417-24	89
1660	Amino acid sequence of a calcium-binding protein (TCBP-10) from <i>Tetrahymena</i> . 1988 , 174, 579-84	6
1659	Amino-acid sequence of ribonuclease T2 from <i>Aspergillus oryzae</i> . 1988 , 176, 683-97	101
1658	Conformational homologies among cytokines: interleukins and colony stimulating factors. 1988 , 1, 107-10	52
1657	CD studies of synthetic polypeptides as histone models: poly(L-Arg-L-Ile-Gly), poly(L-Arg-L-Nva-Gly), and poly(L-Arg-L-Nle-Gly). 1988 , 27, 213-29	3
1656	Prediction of protein helix content from an autocorrelation analysis of sequence hydrophobicities. 1988 , 27, 451-77	60
1655	Epitopes recognized by human T lymphocytes on malaria circumsporozoite protein. 1988 , 18, 633-6	66
1654	Orientation of epitopes influences the immunogenicity of synthetic peptide dimers. 1988 , 18, 2015-9	80
1653	Pathway for the communication between the ATPase and actin sites in myosin. 1988 , 9, 197-218	36
1652	Characterisation of a full-length cDNA clone for pea ferredoxin-NADP(+) reductase. 1988 , 10, 511-20	90
1651	Molecular cloning of cDNAs encoding a putative cell wall protein from <i>Zea mays</i> and immunological identification of related polypeptides. 1988 , 11, 483-93	64
1650	DNA cloning and amino acid sequence determination of a major constituent protein of mammalian nucleoli. Correspondence of the nucleoplasmin-related protein NO38 to mammalian protein B23. 1988 , 96, 417-26	82
1649	The b-32 protein from maize endosperm, an albumin regulated by the O2 locus: nucleic acid (cDNA) and amino acid sequences. 1988 , 212, 481-7	26

1648	Nucleotide sequence and structural analysis of the zeste locus of <i>Drosophila melanogaster</i> . 1988 , 211, 121-8	22
1647	Comparative analysis of genes encoding methyl coenzyme M reductase in methanogenic bacteria. 1988 , 213, 409-20	44
1646	The mode of insertion of the paramyxovirus F1 N-terminus into lipid matrix, an initial step in host cell/virus fusion. 1988 , 1, 325-32	23
1645	Computer-assisted primary and secondary structure analyses of DNA polymerases of herpes simplex, Epstein-Barr and varicella zoster viruses reveal conserved domains with some homology to DNA-binding domain in <i>E. coli</i> DNA pol I. 1988 , 1, 351-67	6
1644	Conformational characteristics of the complete sequence of group A streptococcal M6 protein. 1988 , 3, 60-9	62
1643	Human myeloperoxidase and thyroid peroxidase, two enzymes with separate and distinct physiological functions, are evolutionarily related members of the same gene family. 1988 , 3, 113-20	133
1642	Homology of lysosomal enzymes and related proteins: prediction of posttranslational modification sites including phosphorylation of mannose and potential epitopic and substrate binding sites in the alpha- and beta-subunits of hexosaminidases, alpha-glucosidase, and rabbit and human isomaltase. 1988 , 4, 182-9	10
1641	Test of circular dichroism (CD) methods for crambin and CD-assisted secondary structure prediction of its homologous toxins. 1988 , 4, 262-73	15
1640	Theoretical estimation of the calcium-binding constants for proteins from the troponin C superfamily based on a secondary structure prediction method. II. Applications. 1988 , 135, 63-73	6
1639	Nucleotide sequence of the mannitol (mtl) operon in <i>Escherichia coli</i> . 1988 , 2, 405-12	40
1638	Nucleotide sequence and transcriptional analysis of the aerCaerA region of <i>Aeromonas sobria</i> encoding aerolysin and its regulatory region. 1988 , 2, 507-17	49
1637	Nucleotide sequence analysis of 2''-aminoglycoside nucleotidyl-transferase ANT(2'') from Tn4000: its relationship with AAD(3'') and impact on Tn21 evolution. 1988 , 2, 709-17	50
1636	Nucleotide sequence of the gene encoding the active-site serine β -lactamase from <i>Streptomyces cacaoi</i> . 1988 , 49, 371-376	27
1635	Isolation and characterization of a cDNA clone coding for human epidermal keratin K5. Sequence of the carboxyterminal half of this keratin. 1988 , 91, 39-42	9
1634	Theoretical estimation of the calcium-binding constants for proteins from the troponin C superfamily based on a secondary structure prediction method. I. Estimation procedure. 1988 , 135, 41-61	14
1633	Prepeptide sequence of epidermin, a ribosomally synthesized antibiotic with four sulphide-rings. 1988 , 333, 276-8	504
1632	A gene induced by the plant hormone abscisic acid in response to water stress encodes a glycine-rich protein. 1988 , 334, 262-4	393
1631	Protein structure. The shape of things to come?. 1988 , 335, 10-1	9

1630	Identification of predictive sequence motifs limited by protein structure data base size. 1988 , 335, 45-9	158
1629	Cross-homologies and structural differences between human cholinesterases revealed by antibodies against cDNA-produced human butyrylcholinesterase peptides. 1988 , 51, 1858-67	10
1628	Conformational properties of Ca ²⁺ -binding segments of proteins from the troponin C superfamily. 1988 , 31, 133-7	5
1627	An assessment of prediction methods for locating continuous epitopes in proteins. 1988 , 17, 95-107	72
1626	Phylogenetical aspects of the structure-Function relationships of vertebrate enkephalin precursors. 1988 , 16, 581-587	
1625	Structure and function of proton translocating ATPase in plasma membranes of plants and fungi. 1988 , 947, 1-28	394
1624	The sequence of the reovirus serotype 3 L3 genome segment which encodes the major core protein lambda 1. 1988 , 167, 31-7	39
1623	Human cytomegalovirus strain Towne glycoprotein B is processed by proteolytic cleavage. 1988 , 167, 207-25	164
1622	Identification of amino acids involved in the sialidase activity of the mumps virus hemagglutinin-neuraminidase protein. 1988 , 167, 226-32	29
1621	Conformational study of the antitumor protein alpha-sarcin. 1988 , 953, 280-8	54
1620	All three potential N-glycosylation sites of the dog kidney (Na ⁺ + K ⁺)-ATPase beta-subunit contain oligosaccharide. 1988 , 954, 50-7	33
1619	Primary structure of the activation peptide from bovine pancreatic procarboxypeptidase A. 1988 , 954, 183-8	4
1618	The use of folding patterns in the search of protein structural similarities; a three-dimensional model of phosphoribosyl transferases. 1988 , 957, 21-33	7
1617	Delineation of chicken cathepsin L secondary structure; relationship between pH dependence activity and helix content. 1988 , 955, 58-64	22
1616	Improvements in a secondary structure prediction method based on a search for local sequence homologies and its use as a model building tool. 1988 , 955, 283-95	90
1615	Secondary structure prediction of liver microsomal cytochrome P-450; proposed model of spatial arrangement in a membrane. 1988 , 955, 361-70	14
1614	Interaction of insulin receptors with lipid bilayers and specific and nonspecific binding of insulin to supported membranes. 1988 , 27, 7463-9	36
1613	Alpha-amylase structure and activity. 1988 , 7, 399-415	113

1612	Prediction of the packing arrangement of strands in beta-sheets of globular proteins. 1988 , 7, 473-90	17
1611	Prediction of probable pathways of folding in globular proteins. 1988 , 7, 491-507	16
1610	Amino acid sequence of a probable amylase/protease inhibitor from rice seeds. 1988 , 265, 466-75	45
1609	Chemical modification of the active site of ferredoxin-NADP ⁺ reductase and conformation of the binary ferredoxin/ferredoxin-NADP ⁺ reductase complex in solution. 1988 , 936, 269-279	10
1608	Conformational analysis of lipid-associating proteins in a lipid environment. 1988 , 943, 95-102	20
1607	Molecular analysis of cDNA coding for ZP3, a sperm binding protein of the mouse zona pellucida. 1988 , 127, 287-95	163
1606	Two changes of the same nucleotide confer resistance to diuron and antimycin in the mitochondrial cytochrome b gene of <i>Schizosaccharomyces pombe</i> . 1988 , 237, 31-4	42
1605	Amino acid sequence microheterogeneities of a type I cytokeratin of Mr 51,000 from <i>Xenopus laevis</i> epidermis. 1988 , 237, 178-82	9
1604	Nucleotide sequence of cDNA clones encoding the entire precursor polypeptides for subunits IV and V of the photosystem I reaction center from spinach. 1988 , 237, 218-24	82
1603	Cloning and sequencing of spinach cDNA clones encoding the 20 kDa PS I polypeptide. 1988 , 232, 275-80	55
1602	Complementary DNA and derived amino acid sequence of the precursor of one of the three protein components of the inter-alpha-trypsin inhibitor complex. 1988 , 229, 63-7	47
1601	The amino acid sequence of a cereal Bowman-Birk type trypsin inhibitor from seeds of Jobs' tears (<i>Coix lachryma-jobi</i> L.). 1988 , 229, 111-8	19
1600	Primary structure of protein B from <i>Pseudomonas putida</i> , member of a new class of 2Fe-2S ferredoxins. 1988 , 231, 336-40	23
1599	Amino acid sequence of hemoglobin I from root nodules of the non-leguminous <i>Casuarina glauca</i> - <i>Frankia</i> symbiosis. 1988 , 231, 341-346	17
1598	Sequencing and synthesis of pardaxin, a polypeptide from the Red Sea Moses sole with ionophore activity. 1988 , 242, 161-6	91
1597	Protein secondary structure and homology by neural networks. The alpha-helices in rhodopsin. 1988 , 241, 223-8	135
1596	Evolution of reovirus genes: a comparison of serotype 1, 2, and 3 M2 genome segments, which encode the major structural capsid protein mu 1C. 1988 , 163, 603-13	50
1595	Differences in bovine parainfluenza 3 virus variants studied by sequencing of the genes of viral envelope proteins. 1988 , 162, 388-96	18

1594	Sequence determination of the mumps virus HN gene. 1988 , 164, 318-25		39
1593	Topography of the simian rotavirus nonstructural glycoprotein (NS28) in the endoplasmic reticulum membrane. 1988 , 164, 435-42		54
1592	Polymorphisms of the region of the Epstein-Barr virus genome which disrupts latency. 1988 , 165, 549-64		38
1591	Cloning and sequencing of genes encoding structural proteins of avian infectious bronchitis virus. 1988 , 165, 589-95		57
1590	Molecular cloning and sequencing of the gene (M2) encoding the major virion structural protein (mu 1-mu 1C) of serotypes 1 and 3 of mammalian reovirus. 1988 , 164, 141-6		14
1589	Correlation between the surface hydrophobicities and elution orders of elapid neurotoxins and cardiotoxins on hydrophobic-interaction high-performance liquid chromatography. 1988 , 26, 475-83		1
1588	Positive and negative regulators for glucitol (gut) operon expression in Escherichia coli. <i>Journal of Molecular Biology</i> , 1988 , 203, 569-83	6.5	63
1587	Molecular substructure of a viral receptor-recognition protein. The gp17 tail-fiber of bacteriophage T7. <i>Journal of Molecular Biology</i> , 1988 , 200, 351-65	6.5	168
1586	Cloning, sequencing, and expression in Ficoll-generated minicells of an Escherichia coli heat-stable enterotoxin gene. 1988 , 20, 42-53		24
1585	Structure of the 7S globulin (vicilin) from pea (<i>Pisum sativum</i>). 1988 , 10, 311-317		9
1584	Distinction between HIV-1 and HIV-2 infection using novel synthetic lipopeptide conjugates as antigens in enzyme immunoassays. 1988 , 22, 173-82		16
1583	Preparation of raf-oncogene-specific antiserum with raf protein produced in E. coli. 1988 , 949, 233-9		15
1582	The herpes simplex virus DNA polymerase: analysis of the functional domains. 1988 , 951, 298-314		29
1581	Nucleotide sequence and transcriptional analysis of a third function (Flm) involved in F-plasmid maintenance. 1988 , 66, 259-68		59
1580	Amino acid preferences for specific locations at the ends of alpha helices. 1988 , 240, 1648-52		1337
1579	The cloning, expression, and nucleotide sequence of a gene coding for an immunogenic Brucella abortus protein. 1988 , 63, 1-9		89
1578	A temporally expressed gene from Schwanniomyces alluvius and detection of homologous sequences in other yeasts. 1988 , 73, 131-40		9
1577	Functional T cell recognition of synthetic peptides corresponding to continuous antibody epitopes of herpes simplex virus type 1 glycoprotein D. 1988 , 177, 134-48		14

1576	Cloning and sequencing of the gene for the DNA-binding 17K protein of Escherichia coli. 1988 , 67, 117-24	51
1575	The antigenic index: a novel algorithm for predicting antigenic determinants. 1988 , 4, 181-6	279
1574	Nucleotide sequence of the Bacillus anthracis edema factor gene (cya): a calmodulin-dependent adenylate cyclase. 1988 , 73, 363-71	88
1573	The DNA and S-adenosylmethionine-binding regions of EcoDam and related methyltransferases. 1988 , 74, 211-4	28
1572	Oligosaccharide structure and amino acid sequence of the major glycopeptides of mature human beta-hexosaminidase. 1988 , 27, 5216-26	37
1571	Evolutionary and functional relationships between the basic and acidic beta-crystallins. 1988 , 46, 375-403	46
1570	Rat testis P-450(17)alpha cDNA: the deduced amino acid sequence, expression and secondary structural configuration. 1988 , 157, 705-12	69
1569	A consensus sequence in the N-terminus of exported proteins: resemblance with metal binding domains and implications in protein translocation across membranes. 1988 , 156, 99-107	6
1568	Molecular cloning and nucleotide sequence of murine 2,3-bisphosphoglycerate mutase cDNA. 1988 , 156, 874-81	19
1567	Relationships between the calmodulin-dependent adenylate cyclases produced by Bacillus anthracis and Bordetella pertussis. 1988 , 157, 1027-32	14
1566	Structure of the lysosomal sphingolipid activator protein 1 by homology with influenza virus neuraminidase. 1988 , 155, 32-7	15
1565	A new lux gene in bioluminescent bacteria codes for a protein homologous to the bacterial luciferase subunits. 1988 , 155, 351-8	40
1564	Three-alpha-helical coiled-coil, as a proposed model for a thin rod segment of bacteriophage T3 tail fibers. 1988 , 150, 1244-50	8
1563	Versatility of a vector for expressing foreign polypeptides at the surface of gram-negative bacteria. 1988 , 70, 181-9	101
1562	Secondary structure and thermostability of the phage P22 tailspike. XX. Analysis by Raman spectroscopy of the wild-type protein and a temperature-sensitive folding mutant. <i>Journal of Molecular Biology</i> , 1988 , 199, 491-502	6.5 56
1561	Sequence homologies, hydrophobic profiles and secondary structures of cathepsins B, H and L: comparison with papain and actinidin. 1988 , 70, 1335-42	48
1560	Generation of a neutralization-resistant variant of HIV-1 is due to selection for a point mutation in the envelope gene. 1988 , 54, 57-63	181
1559	Complete sequence of the mouse type-II keratin EndoA: its amino-terminal region resembles mitochondrial signal peptides. 1988 , 70, 75-84	22

1558	Transmembrane signaling by bacterial chemoreceptors: E. coli transducers with locked signal output. 1988 , 55, 817-26		121
1557	Multiple sclerosis autoantibodies and antibodies in AIDS may deplete a brain peptide hormone. 1988 , 26, 145-7		2
1556	Initiation of phage phi 29 DNA replication by mutants with deletions at the amino end of the terminal protein. 1988 , 63, 113-21		12
1555	Polypeptide variation in an N-CAM extracellular immunoglobulin-like fold is developmentally regulated through alternative splicing. 1988 , 1, 1007-17		109
1554	Structural Studies on the Native and Chemically Modified Low-Molecular Mass Basic Storage Protein (Napin) from Rapeseed (<i>Brassica napus</i> L.). 1988 , 183, 219-224		23
1553	Single amino acid changes in the <i>Bacillus thuringiensis</i> var. <i>israelensis</i> delta-endotoxin affect the toxicity and expression of the protein. <i>Journal of Molecular Biology</i> , 1988 , 202, 527-35	6.5	55
1552	Folding of maltoporin with respect to the outer membrane. <i>Journal of Molecular Biology</i> , 1988 , 201, 493-496	6.5	13
1551	Segmented alpha-helical coiled-coil structure of the protein giardin from the <i>Giardia</i> cytoskeleton. <i>Journal of Molecular Biology</i> , 1988 , 204, 789-95	6.5	81
1550	Characterization and cloning of gene 5 of <i>Bacillus subtilis</i> phage phi 29. 1988 , 67, 193-201		14
1549	SUF12 suppressor protein of yeast. A fusion protein related to the EF-1 family of elongation factors. <i>Journal of Molecular Biology</i> , 1988 , 199, 559-73	6.5	114
1548	Structural analysis of mouse S-antigen. 1988 , 73, 11-20		36
1547	Predicting the secondary structure of globular proteins using neural network models. <i>Journal of Molecular Biology</i> , 1988 , 202, 865-84	6.5	928
1546	Structure of LEP100, a glycoprotein that shuttles between lysosomes and the plasma membrane, deduced from the nucleotide sequence of the encoding cDNA. 1988 , 106, 61-7		102
1545	Mode of insertion into a lipid membrane of the N-terminal HIV gp41 peptide segment. 1988 , 4, 83-90		58
1544	Characterization of cDNA encoding human pregnancy-specific beta 1-glycoprotein from placenta and extraplacental tissues and their comparison with carcinoembryonic antigen. 1988 , 7, 545-55		31
1543	The fusion glycoproteins of human respiratory syncytial virus of subgroups A and B: sequence conservation provides a structural basis for antigenic relatedness. 1988 , 69 (Pt 10), 2623-8		110
1542	Molecular cloning of cDNA for caltractin, a basal body-associated Ca ²⁺ -binding protein: homology in its protein sequence with calmodulin and the yeast CDC31 gene product. 1988 , 107, 133-40		206
1541	The <i>Drosophila melanogaster</i> tropomyosin II gene produces multiple proteins by use of alternative tissue-specific promoters and alternative splicing. 1988 , 8, 3591-602		89

1540	Identification of psiB genes of plasmids F and R6-5. Molecular basis for psiB enhanced expression in plasmid R6-5. 1988 , 16, 10669-79	22
1539	A simple method for predicting the secondary structure of globular proteins: implications and accuracy. 1988 , 4, 357-65	32
1538	DNA sequence of the adenovirus type 41 hexon gene and predicted structure of the protein. 1988 , 69 (Pt 9), 2291-301	43
1537	Affinities of ribosomal protein S20 and C-terminal deletion mutants for 16S rRNA and S20 mRNA. 1988 , 16, 997-1010	19
1536	An integrated family of amino acid sequence analysis programs. 1988 , 4, 187-91	49
1535	ANTHEPROT: a package for protein sequence analysis using a microcomputer. 1988 , 4, 351-6	15
1534	Cyclic AMP-responsive DNA-binding protein: structure based on a cloned placental cDNA. 1988 , 242, 1430-3	730
1533	Amino acid sequence and domain structure of entactin. Homology with epidermal growth factor precursor and low density lipoprotein receptor. 1988 , 107, 2749-56	145
1532	Primary structure of the mouse sperm receptor polypeptide determined by genomic cloning. 1988 , 85, 6409-13	98
1531	Binding region for human immunodeficiency virus (HIV) and epitopes for HIV-blocking monoclonal antibodies of the CD4 molecule defined by site-directed mutagenesis. 1988 , 85, 9273-7	135
1530	Molecular analysis of the 60-kDa human Ro ribonucleoprotein. 1988 , 85, 9479-83	233
1529	Cloning and sequencing of the cDNA encoding a core protein of the paired helical filament of Alzheimer disease: identification as the microtubule-associated protein tau. 1988 , 85, 4051-5	850
1528	Sequence of the human 40-kDa keratin reveals an unusual structure with very high sequence identity to the corresponding bovine keratin. 1988 , 85, 1114-8	47
1527	Voraussagen von Protein-Strukturen. 1988 , 36, 1119-1120	
1526	Spontaneous M6 protein size mutants of group A streptococci display variation in antigenic and opsonogenic epitopes. 1988 , 85, 8271-5	68
1525	A C-terminal, calmodulin-like regulatory domain from the plasma membrane Ca ²⁺ -pumping ATPase. 1988 , 85, 2914-8	36
1524	Microtubule-associated protein MAP2 shares a microtubule binding motif with tau protein. 1988 , 242, 936-9	456
1523	Complete nucleotide sequence of the Streptomyces lividans plasmid pIJ101 and correlation of the sequence with genetic properties. 1988 , 170, 4634-51	136

1522	Subunit structures of three human myeloperoxidases. 1988 , 103, 688-92	13
1521	Sequence of a giardin subunit cDNA from <i>Giardia lamblia</i> . 1988 , 16, 7177	34
1520	The predicted secondary structures of class I fructose-bisphosphate aldolases. 1988 , 249, 789-93	12
1519	The active-site-serine penicillin-recognizing enzymes as members of the <i>Streptomyces</i> R61 DD-peptidase family. 1988 , 250, 313-24	325
1518	Structural interpretation of the binding of 9-azidoacridine to D-amino acid oxidase. 1988 , 255, 907-12	2
1517	Molecular analysis of two general markers of neurons and the diffuse neuroendocrine system: neuron-specific enolase and PGP9.5. 1988 , 16, 454-7	1
1516	The pre-S region of hepadnavirus envelope proteins. 1988 , 34, 65-142	57
1515	Alpha-helix in the carboxy-terminal domains of histones H1 and H5.. 1988 , 7, 69-75	116
1514	Chapter 15 A Model Relating the Structure of the Sodium Channel to Its Function. 1988 , 33, 289-308	24
1513	Neurotoxin-binding site on the acetylcholine receptor. 1988 , 29, 117-60	39
1512	References. 1988 , 19, 197-216	
1511	Antigenic relatedness and N-terminal sequence homology define two classes of periplasmic flagellar proteins of <i>Treponema pallidum</i> subsp. <i>pallidum</i> and <i>Treponema phagedenis</i> . 1988 , 170, 4072-82	70
1510	Nucleotide sequence of the <i>secA</i> gene and <i>secA</i> (Ts) mutations preventing protein export in <i>Escherichia coli</i> . 1988 , 170, 3404-14	173
1509	Viral cysteine proteases are homologous to the trypsin-like family of serine proteases: structural and functional implications. 1988 , 85, 7872-6	354
1508	M2 delta, a candidate for the structure lining the ionic channel of the nicotinic cholinergic receptor. 1988 , 85, 8703-7	119
1507	Structural and functional conservation between yeast and human 3-hydroxy-3-methylglutaryl coenzyme A reductases, the rate-limiting enzyme of sterol biosynthesis. 1988 , 8, 3797-808	135
1506	Channel protein engineering: synthetic 22-mer peptide from the primary structure of the voltage-sensitive sodium channel forms ionic channels in lipid bilayers. 1988 , 85, 2393-7	111
1505	Porcine vinculin and metavinculin differ by a 68-residue insert located close to the carboxy-terminal part of the molecule.. 1988 , 7, 2329-2334	41

1504	The primary structure of the murine multifinger gene mKr2 and its specific expression in developing and adult neurons.. 1988 , 7, 1345-1353	31
1503	Electron microscopy and structural model of human fibronectin receptor.. 1988 , 7, 4093-4099	190
1502	The chicken dystrophin cDNA: striking conservation of the C-terminal coding and 3' untranslated regions between man and chicken.. 1988 , 7, 4157-4162	76
1501	Pilin expression in <i>Neisseria gonorrhoeae</i> is under both positive and negative transcriptional control.. 1988 , 7, 4367-4378	82
1500	Membrane-bound phosphatases in <i>Escherichia coli</i> : sequence of the <i>pgpA</i> gene. 1988 , 170, 5110-6	24
1499	Structural and mutational analysis of E2 trans-activating proteins of papillomaviruses reveals three distinct functional domains.. 1988 , 7, 2823-2829	141
1498	Evolution of aminobenzoate synthases: nucleotide sequences of <i>Salmonella typhimurium</i> and <i>Klebsiella aerogenes</i> <i>pabB</i> . 1988 , 5, 531-48	12
1497	Genes expressed in the brain define three distinct neuronal nicotinic acetylcholine receptors.. 1988 , 7, 595-601	178
1496	Amino acid sequence of the murine Mac-1 alpha chain reveals homology with the integrin family and an additional domain related to von Willebrand factor.. 1988 , 7, 1371-1378	113
1495	Identification of domains involved in nuclear uptake and histone binding of protein N1 of <i>Xenopus laevis</i> .. 1988 , 7, 1605-1614	98
1494	Molecular cloning and nucleotide sequence of cDNA of microsomal carboxyesterase E1 of rat liver. 1988 , 104, 801-6	60
1493	Applications of Optical Spectroscopy to Protein Conformational Transitions. 1988 , 177-192	
1492	A stable alpha-helical element in the carboxy-terminal domain of free and chromatin-bound histone H1 from sea urchin sperm.. 1989 , 8, 2591-2599	39
1491	The Structure of Tetanus Toxin. 1989 , 69-92	11
1490	Rapid evolution of variants in a rodent multigene family encoding salivary proteins. 1989 , 6, 80-102	6
1489	Identification of a divergent M protein gene and an M protein-related gene family in <i>Streptococcus pyogenes</i> serotype 49. 1989 , 171, 6397-408	105
1488	Nucleotide sequences of the <i>tolA</i> and <i>tolB</i> genes and localization of their products, components of a multistep translocation system in <i>Escherichia coli</i> . 1989 , 171, 6600-9	87
1487	Cloning and sequencing of a calcium-binding protein regulated by cyclic AMP in the thyroid.. 1989 , 8, 111-116	32

1486	Isolation and analysis of the C-terminal signal directing export of Escherichia coli hemolysin protein across both bacterial membranes.. 1989 , 8, 595-605	181
1485	Identification of four conserved motifs among the RNA-dependent polymerase encoding elements.. 1989 , 8, 3867-3874	842
1484	Flagellar switch of Salmonella typhimurium: gene sequences and deduced protein sequences. 1989 , 171, 3247-57	104
1483	Multiple zones in the sequence of calreticulin (CRP55, calregulin, HACBP), a major calcium binding ER/SR protein.. 1989 , 8, 3581-3586	196
1482	Sequence and tissue distribution of a second protein of hepatic gap junctions, Cx26, as deduced from its cDNA. 1989 , 109, 3391-401	409
1481	S-layer protein gene of Acetogenium kivui: cloning and expression in Escherichia coli and determination of the nucleotide sequence. 1989 , 171, 6307-15	53
1480	L-, P-, and M-ring proteins of the flagellar basal body of Salmonella typhimurium: gene sequences and deduced protein sequences. 1989 , 171, 3890-900	111
1479	ARPP-21, a cyclic AMP-regulated phosphoprotein enriched in dopamine-innervated brain regions. I. Amino acid sequence of ARPP-21B from bovine caudate nucleus. 1989 , 9, 3631-7	10
1478	Molecular analysis of the armadillo locus: uniformly distributed transcripts and a protein with novel internal repeats are associated with a Drosophila segment polarity gene. 1989 , 3, 96-113	238
1477	Primary structure of the brain alpha-spectrin. 1989 , 108, 79-93	163
1476	Embryonic expression pattern of a family of Drosophila proteins that interact with a central nervous system regulatory element. 1989 , 3, 1130-45	112
1475	The Dictyostelium gelation factor shares a putative actin binding site with alpha-actinins and dystrophin and also has a rod domain containing six 100-residue motifs that appear to have a cross-beta conformation. 1989 , 109, 607-18	119
1474	Saccharomyces cerevisiae and Schizosaccharomyces pombe contain a homologue to the 54-kD subunit of the signal recognition particle that in S. cerevisiae is essential for growth. 1989 , 109, 3223-30	107
1473	The major component of the paraflagellar rod of Trypanosoma brucei is a helical protein that is encoded by two identical, tandemly linked genes. 1989 , 109, 1695-709	76
1472	Functional domains of the Drosophila melanogaster muscle myosin heavy-chain gene are encoded by alternatively spliced exons. 1989 , 9, 2957-74	149
1471	Theoretically determined three-dimensional structures for amphipathic segments of the HIV-1 gp41 envelope protein. 1989 , 5, 7-22	89
1470	Cytochrome P-450: cytochrome P-450 reductase interactions. 1989 , 20, 519-33	29
1469	The role of three domains in the biological activity of human interferon-alpha. 1989 , 9, 97-114	75

1468	Ultrastructural localization of giardins to the edges of disk microribbons of <i>Giardia lamblia</i> and the nucleotide and deduced protein sequence of alpha giardin. 1989 , 109, 2323-35	114
1467	Primary structure analysis of an integral membrane glycoprotein of the nuclear pore. 1989 , 108, 2083-92	212
1466	The microtubule binding domain of microtubule-associated protein MAP1B contains a repeated sequence motif unrelated to that of MAP2 and tau. 1989 , 109, 3367-76	280
1465	Similarity between the picornavirus VP3 capsid polypeptide and the <i>Saccharomyces cerevisiae</i> virus capsid polypeptide. 1989 , 17, 7487-93	4
1464	Structure, expression and chromosomal localization of Zfp-1, a murine zinc finger protein gene. 1989 , 17, 10427-38	25
1463	The complete sequence of <i>Drosophila</i> alpha-spectrin: conservation of structural domains between alpha-spectrins and alpha-actinin. 1989 , 109, 2197-205	84
1462	Antiviral activity and possible mechanisms of action of oligonucleotides-poly(L-lysine) conjugates targeted to vesicular stomatitis virus mRNA and genomic RNA. 1989 , 17, 9341-50	38
1461	Unusual pattern of accumulation of mRNA encoding EGF-related protein in sea urchin embryos. 1989 , 246, 806-8	37
1460	Primary structure of the beta subunit of the DHP-sensitive calcium channel from skeletal muscle. 1989 , 245, 1115-8	330
1459	société belge de biochimie belgeche vereniging voor biochemie. 1989 , 97, B121-B195	
1458	Signal transduction by the platelet-derived growth factor receptor. 1989 , 243, 1564-70	638
1457	Ribonucleoprotein SS-B/La belongs to a protein family with consensus sequences for RNA-binding. 1989 , 17, 2233-44	93
1456	The molecular cloning of the complementary deoxyribonucleic acid for bovine vitamin D-dependent calcium-binding protein: structure of the full-length protein and evidence for homologies with other calcium-binding proteins of the troponin-C superfamily of proteins. 1989 , 3, 427-32	45
1455	Primary structure of a human mitochondrial protein homologous to the bacterial and plant chaperonins and to the 65-kilodalton mycobacterial antigen. 1989 , 9, 2279-83	446
1454	Purification and partial characterization of an unusual protein of <i>Plasmodium falciparum</i> : histidine-rich protein II. 1989 , 35, 149-60	57
1453	Characterization of cDNA clones coding for muscle tropomyosin of the nematode <i>Trichostrongylus colubriformis</i> . 1989 , 37, 191-9	23
1452	Nucleotide and deduced amino acid sequence of the hydrophobic surfactant protein SP-C from rat: expression in alveolar type II cells and homology with SP-C from other species. 1989 , 995, 225-30	66
1451	Prediction of the secondary structure of myosin light chains from comparison of homologous sequences. Implications for the interaction between myosin heavy and light chains. 1989 , 996, 199-208	11

1450	Inhibitory properties and antigenic specificity of monoclonal antibodies to pancreatic colipase. 1989 , 998, 158-66	12
1449	Heat-induced conformational changes in phaseolin and its relation to proteolysis. 1989 , 998, 179-188	37
1448	The use of folding patterns in a multisolution approach of the all-beta protein three-dimensional structure. A beta-roll structure is predicted in the retroviral glycoprotein. 1989 , 998, 301-9	5
1447	Studies on the structure of lecithin:cholesterol acyltransferase (LACT)--comparisons of the active site region and secondary structure of the human and the porcine enzymes. 1989 , 94, 389-94	1
1446	Synthetic peptides approach to identification of epitopes on bovine leukemia virus envelope glycoprotein gp51. 1989 , 169, 34-41	37
1445	The sequences of the reovirus serotype 1, 2, and 3 L1 genome segments and analysis of the mode of divergence of the reovirus serotypes. 1989 , 169, 194-203	68
1444	Sequence characterization of the adenovirus 40 fiber gene. 1989 , 172, 134-44	28
1443	Sequence analyses and structural predictions of double-stranded RNA segment S1 and VP7 from United States prototype bluetongue virus serotypes 13 and 10. 1989 , 172, 189-95	28
1442	The sequences of reovirus serotype 3 genome segments M1 and M3 encoding the minor protein mu 2 and the major nonstructural protein mu NS, respectively. 1989 , 169, 293-304	70
1441	In vitro and in vivo expression of rubella virus glycoprotein E2: the signal peptide is contained in the C-terminal region of capsid protein. 1989 , 173, 241-50	44
1440	Two subtypes of nucleoproteins (NP) of influenza A viruses. 1989 , 170, 71-80	42
1439	The sequences of the S2 genome segments of reovirus serotype 3 and of the dsRNA-negative mutant ts447. 1989 , 170, 340-1	19
1438	Nucleotide sequence of bovine rotavirus gene 1 and expression of the gene product in baculovirus. 1989 , 171, 131-40	87
1437	Complete nucleotide sequence of wound tumor virus genomic segments encoding nonstructural polypeptides. 1989 , 171, 222-8	26
1436	Avian retrovirus integration protein: structure-functional analysis of viable mutants. 1989 , 173, 478-88	5
1435	Nucleotide sequence of the bacteriophage P22 gene 19 to 3 region: identification of a new gene required for lysis. 1989 , 171, 588-98	51
1434	The structure and function of the homeodomain. 1989 , 989, 25-48	367
1433	Secondary structural changes in the intact and the disulfide bridges cleaved beta-lactoglobulin A and B in solutions of urea, guanidine hydrochloride, and sodium dodecyl sulfate. 1989 , 8, 487-94	12

1432	Theoretical analysis of conformation and active sites of interferons. 1989 , 22, 173-81	25
1431	Complete amino acid sequence of alpha-acetolactate decarboxylase from <i>Bacillus brevis</i> . 1989 , 54, 157-63	4
1430	Processing and secretion of barley (1-3,1-4)-beta-glucanase in yeast. 1989 , 54, 29-39	13
1429	Isolation and characterization of a trypsin inhibitor from the seeds of kohlrabi (<i>Brassica napus</i> var. <i>rapifera</i>) belonging to the napin family of storage proteins. 1989 , 54, 231-9	33
1428	MacSECPROT: two programs in BASIC to evaluate protein secondary structure. 1989 , 24, 247-55	
1427	The predicted secondary structures of the nucleotide-binding sites of six cation-transporting ATPases lead to a probable tertiary fold. 1989 , 179, 241-8	147
1426	Primary structures of rat and bovine liver mitochondrial aldehyde dehydrogenases deduced from cDNA sequences. 1989 , 180, 67-74	87
1425	Effect of the microenvironment on the tertiary structure of cytochrome P-450 LM2. 1989 , 181, 391-6	8
1424	Amino acid sequence of a crystalline seed albumin (winged bean albumin-1) from <i>Psophocarpus tetragonolobus</i> (L.) DC. Sequence similarity with Kunitz-type seed inhibitors and 7S storage globulins. 1989 , 181, 403-8	18
1423	Biochemical and theoretical approach to localization of metal-ion-binding sites in the actin primary structure. 1989 , 182, 299-305	8
1422	Isolation and characterisation of a cDNA clone for a chlorophyll synthesis enzyme from <i>Euglena gracilis</i> . The chloroplast enzyme hydroxymethylbilane synthase (prophobilinogen deaminase) is synthesised with a very long transit peptide in <i>Euglena</i> . 1989 , 184, 353-9	72
1421	The amino acid sequence of rabbit skeletal muscle glycogenin. 1989 , 185, 119-25	47
1420	Structure and activity of proteins from pathogenic fungi <i>Phytophthora</i> eliciting necrosis and acquired resistance in tobacco. 1989 , 183, 555-63	258
1419	Two classes of CD1 genes. 1989 , 19, 285-92	237
1418	Conformational analysis of T immunogenic peptides by circular dichroism spectroscopy. 1989 , 19, 1969-72	20
1417	Normal and mutant human adenosine deaminase genes. 1989 , 39, 217-28	21
1416	Molecular analysis of pleckstrin: the major protein kinase C substrate of platelets. 1989 , 40, 133-45	58
1415	Pattern recognition in the prediction of protein structure. I. Tripeptide conformational probabilities calculated from the amino acid sequence. 1989 , 10, 770-797	53

1414	Pattern recognition in the prediction of protein structure. II. Chain conformation from a probability-directed search procedure. 1989 , 10, 798-816	37
1413	Mutants of the hepatitis B virus surface antigen that define some antigenically essential residues in the immunodominant a region. 1989 , 29, 196-203	53
1412	Sequence of a human MAP-2 region sharing epitopes with Alzheimer neurofibrillary tangles. 1989 , 24, 487-95	29
1411	Ein chemischer Weg zu neuen Proteinen ¶Templat-assoziierte synthetische Proteine (TASP). 1989 , 101, 551-571	71
1410	[Localization of the essential structure for binding of antiviral agents to thymidine kinase by studying sequence homologies]. 1989 , 322, 409-13	6
1409	A CD determination of the alpha-helix contents of the coat proteins of four filamentous bacteriophages: fd, lKe, Pf1, and Pf3. 1989 , 28, 1861-73	44
1408	A Chemical Approach to Protein Design¶Template-Assembled Synthetic Proteins (TASP). 1989 , 28, 535-554	339
1407	Computerized sequence-based predictive methods: their use in the conformational characterization of proteins and in the analysis of their homologies a practical case employing lysozyme and ¶lactalbumin. 1989 , 17, 36-41	1
1406	Nucleotide sequence of the pseudorabies virus immediate early gene, encoding a strong transactivator protein. 1989 , 2, 335-46	33
1405	2D-HPLC separation, electrophoretic characterization and N-terminal sequences of oat seed prolamins. 1989 , 28, 2565-2570	9
1404	Cloning and sequence analysis of the gene encoding invertase from the yeast Schwanniomyces occidentalis. 1989 , 16, 145-52	36
1403	Molecular cloning and sequence analysis of mutant alleles of the fission yeast cdc2 protein kinase gene: implications for cdc2+ protein structure and function. 1989 , 218, 41-9	79
1402	Isolation and characterization of a conditional replication mutant of the antibiotic resistance factor R1 affected in the gene of the replication protein repA. 1989 , 217, 111-7	8
1401	Molecular analysis and nucleotide sequence of finQ, a transcriptional inhibitor of the F plasmid transfer genes. 1989 , 216, 99-105	10
1400	Gene sequence for the 9 kDa component of Photosystem II from the cyanobacterium Phormidium laminosum indicates similarities between cyanobacterial and other leader sequences. 1989 , 216, 334-9	32
1399	Analysis of the gene encoding the largest subunit of RNA polymerase II in Drosophila. 1989 , 215, 266-75	197
1398	Monoclonal antibody analysis of influenza virus matrix protein epitopes involved in transcription inhibition. 1989 , 3, 111-26	22
1397	Pep5, a new lantibiotic: structural gene isolation and prepeptide sequence. 1989 , 152, 16-9	123

1396	Nucleotide sequence of the leading region adjacent to the origin of transfer on plasmid F and its conservation among conjugative plasmids. 1989 , 219, 177-86	24
1395	Presence in the stroma of chloroplasts of a large pool of a ribosomal protein not structurally related to any <i>Escherichia coli</i> ribosomal protein. 1989 , 219, 204-8	39
1394	Bands, interbands and puffs in native <i>Drosophila</i> polytene chromosomes are recognized by a monoclonal antibody to an epitope in the carboxy-terminal tail of histone H1. 1989 , 98, 411-21	21
1393	Secondary structural analysis of retrovirus integrase: characterization by circular dichroism and empirical prediction methods. 1989 , 5, 156-65	20
1392	The T-lymphocyte proliferative response to synthetic peptide antigens of defined secondary structure. 1989 , 30, 723-30	16
1391	Nucleotide sequences of the <i>pbpX</i> genes encoding the penicillin-binding proteins 2x from <i>Streptococcus pneumoniae</i> R6 and a cefotaxime-resistant mutant, C506. 1989 , 3, 1337-48	98
1390	Cloning and analysis of the gene for the major outer membrane lipoprotein from <i>Pseudomonas aeruginosa</i> . 1989 , 3, 421-8	47
1389	Analysis of the <i>yopA</i> gene encoding the Yop1 virulence determinants of <i>Yersinia</i> spp. 1989 , 3, 517-29	168
1388	The proline transport protein of <i>Aspergillus nidulans</i> is very similar to amino acid transporters of <i>Saccharomyces cerevisiae</i> . 1989 , 3, 705-14	65
1387	The <i>Escherichia coli</i> enterobactin biosynthesis gene, <i>entD</i> : nucleotide sequence and membrane localization of its protein product. 1989 , 3, 757-66	40
1386	A <i>Mycoplasma</i> genetic element resembling prokaryotic insertion sequences. 1989 , 3, 957-67	33
1385	The nucleotide sequence of the <i>rodC</i> operon of <i>Bacillus subtilis</i> . 1989 , 3, 1257-68	46
1384	Trimethoprim resistance transposon Tn4003 from <i>Staphylococcus aureus</i> encodes genes for a dihydrofolate reductase and thymidylate synthetase flanked by three copies of IS257. 1989 , 3, 161-75	128
1383	Keratin 19: predicted amino acid sequence and broad tissue distribution suggest it evolved from keratinocyte keratins. 1989 , 92, 707-16	204
1382	Homologies in the Structures of G-Binding Proteins: An Analysis Based on Elongation Factor EF-TU. 1989 , 7, 913-920	21
1381	Enkephalins Produced in Transgenic Plants Using Modified 2S Seed Storage Proteins. 1989 , 7, 929-932	77
1380	Two functionally different regions in Fos are required for the sequence-specific DNA interaction of the Fos/Jun protein complex. 1989 , 338, 589-90	153
1379	Model for signal sequence recognition from amino-acid sequence of 54K subunit of signal recognition particle. 1989 , 340, 482-6	454

1378	Altering DNA-binding specificity of GAL4 requires sequences adjacent to the zinc finger. 1989 , 340, 724-7	62
1377	Organization of microtubules in dendrites and axons is determined by a short hydrophobic zipper in microtubule-associated proteins MAP2 and tau. 1989 , 342, 498-505	268
1376	Identification of a widespread nuclear actin binding protein. 1989 , 342, 822-5	79
1375	Molecular cloning of CD1a (T6), a human epidermal dendritic cell marker related to class I MHC molecules. 1989 , 92, 628-31	21
1374	Identification and genetic analysis of mkaA--a gene of the Salmonella typhimurium virulence plasmid necessary for intracellular growth. 1989 , 7, 165-73	34
1373	Aplysia brasiliana neurons R3-R14: primary structure of the myoactive histidine-rich basic peptide and its prohormone. 1989 , 10, 859-67	3
1372	Mouse keratin 19: complete amino acid sequence and gene expression during development. 1989 , 85, 435-44	24
1371	Characterization of polyclonal antibodies against the N-terminal domain of the human androgen receptor. 1989 , 67, 29-38	64
1370	Mutational analysis of the herpes simplex virus trans-inducing factor Vmw65. 1989 , 75, 213-24	43
1369	Structure and function of the mitochondrial bc1 complex. A mutational analysis of the yeast Rieske iron-sulfur protein. <i>Journal of Molecular Biology</i> , 1989 , 205, 421-35	6.5 58
1368	Regulation of Bacillus subtilis glutamine synthetase gene expression by the product of the glnR gene. <i>Journal of Molecular Biology</i> , 1989 , 210, 51-63	6.5 107
1367	Nucleotide sequence of the F plasmid transfer gene, traH: identification of a new gene and a promoter within the transfer operon. 1989 , 75, 157-65	16
1366	Prediction of operator-binding protein by discriminant analysis. 1989 , 6, 111-9	5
1365	Genomic organization of the region encoding guinea pig lipoprotein lipase; evidence for exon fusion and unconventional splicing. 1989 , 84, 391-7	17
1364	Functional mapping of an entomocidal delta-endotoxin. Single amino acid changes produced by site-directed mutagenesis influence toxicity and specificity of the protein. <i>Journal of Molecular Biology</i> , 1989 , 208, 183-94	6.5 39
1363	Localisation of the temperature-sensitive defect in the nucleoprotein of an influenza A/FPV/Rostock/34 virus. 1989 , 12, 113-21	18
1362	Epitope of OSCP oligomycin sensitivity conferring protein exposed at the surface of the mitochondrial ATPase-ATP synthase complex. 1989 , 71, 917-29	1
1361	Cloning, sequencing and expression in Escherichia coli of the D-2-hydroxyisocaproate dehydrogenase gene of Lactobacillus casei. 1989 , 78, 47-57	79

1360	A lignin peroxidase-encoding cDNA from the white-rot fungus <i>Phlebia radiata</i> : characterization and expression in <i>Trichoderma reesei</i> . 1989 , 85, 343-51	80
1359	Disruption of the single tropomyosin gene in yeast results in the disappearance of actin cables from the cytoskeleton. 1989 , 57, 233-42	225
1358	Molecular biology and bacterial secondary transporters. 1989 , 71, 969-79	9
1357	The protein encoded by a murine male germ cell-specific transcript is a putative ATP-dependent RNA helicase. 1989 , 57, 549-59	160
1356	<i>Aplysia californica</i> neurons R3-R14: primary structure of the myoactive histidine-rich basic peptide and peptide I. 1989 , 10, 849-57	16
1355	Isolation and sequence of lambda gt11 cDNA clones encoding the 5B4 antigen expressed on sprouting neurons. 1989 , 5, 297-303	12
1354	A three-domain structure of kinesin heavy chain revealed by DNA sequence and microtubule binding analyses. 1989 , 56, 879-89	380
1353	Induced frameshifting mechanism of replication for an information-carrying scrapie prion. 1989 , 6, 235-49	17
1352	Characterization of two genes for the human Na,K-ATPase beta subunit. 1989 , 5, 445-53	50
1351	Functional independence of the epidermal growth factor receptor from a domain required for ligand-induced internalization and calcium regulation. 1989 , 59, 33-43	367
1350	Use of Class Prediction to Improve Protein Secondary Structure Prediction. 1989 , 587-597	15
1349	Tertiary Structure Prediction. 1989 , 647-705	30
1348	Identification of Membrane Proteins and Soluble Protein Secondary Structural Elements, Domain Structure, and Packing Arrangements by Fourier-Transform Amphipathic Analysis. 1989 , 719-759	7
1347	The Development of the Prediction of Protein Structure. 1989 , 193-316	56
1346	Structural analysis of homologous repeated domains in alpha-actinin and spectrin. 1989 , 11, 81-90	62
1345	Carrier-bound synthetic peptides. Use as antigen in HIV-1 ELISA tests and in antiserum production. 1989 , 118, 1-7	19
1344	Parvalbumin genes from human and rat are identical in intron/exon organization and contain highly homologous regulatory elements and coding sequences. <i>Journal of Molecular Biology</i> , 1989 , 210, 417-27 ^{6.5}	31
1343	Molecular characterization of DNA puff II/9A genes in <i>Sciara coprophila</i> . <i>Journal of Molecular Biology</i> , 1989 , 210, 531-40	6.5 29

1342	Cloning and sequencing of cDNA clones encoding chicken lamins A and B1 and comparison of the primary structures of vertebrate A- and B-type lamins. <i>Journal of Molecular Biology</i> , 1989 , 208, 393-404	6.5	101
1341	A second higher vertebrate B-type lamin. cDNA sequence determination and in vitro processing of chicken lamin B2. <i>Journal of Molecular Biology</i> , 1989 , 208, 405-15	6.5	90
1340	Identification of an amino acid region supporting specific methionyl-tRNA synthetase: tRNA recognition. <i>Journal of Molecular Biology</i> , 1989 , 208, 429-43	6.5	91
1339	Immunoglobulin fold and tandem repeat structures in proteoglycan N-terminal domains and link protein. <i>Journal of Molecular Biology</i> , 1989 , 206, 737-53	6.5	84
1338	ATP-induced structural change in myosin subfragment-1 revealed by the location of protease cleavage sites on the primary structure. <i>Journal of Molecular Biology</i> , 1989 , 209, 703-9	6.5	13
1337	Lactogen and LH receptors. Rat P-450 17 alpha, structural analysis and hormonal regulation of mRNA levels in the Leydig cell. 1989 , 564, 57-76		3
1336	Molecular analysis and nucleotide sequence of the adh1 gene encoding an NADPH-dependent butanol dehydrogenase in the Gram-positive anaerobe <i>Clostridium acetobutylicum</i> . 1989 , 78, 355-64		71
1335	Structural and functional organization of a porcine gene coding for nuclear factor I. 1989 , 28, 8191-200		93
1334	Identification of a noncatalytic domain in AMP deaminase that influences binding to myosin. 1989 , 28, 8744-9		26
1333	Energetics of complementary side-chain packing in a protein hydrophobic core. 1989 , 28, 4914-22		337
1332	Solution structure of an analogue of vasoactive intestinal peptide as determined by two-dimensional NMR and circular dichroism spectroscopies and constrained molecular dynamics. 1989 , 28, 2399-409		74
1331	Predict7, a program for protein structure prediction. 1989 , 159, 687-93		42
1330	A novel family of growth factor receptors: a common binding domain in the growth hormone, prolactin, erythropoietin and IL-6 receptors, and the p75 IL-2 receptor beta-chain. 1989 , 164, 788-95		484
1329	Amino acid sequence of a 15 kilodalton actin-binding fragment of turkey gizzard caldesmon: similarity with dystrophin, tropomyosin and the tropomyosin-binding region of troponin T. 1989 , 160, 210-6		23
1328	Molecular cloning and characterization of a novel marsupial milk protein gene. 1989 , 164, 1380-3		23
1327	Secondary structures of rat lipolytic enzymes: circular dichroism studies and relation to hydrophobic moments. 1989 , 162, 95-101		7
1326	Nucleotide sequence of AMS1, the structure gene of vacuolar alpha-mannosidase of <i>Saccharomyces cerevisiae</i> . 1989 , 163, 908-15		96
1325	Bovine myeloperoxidase and lactoperoxidase each contain a high affinity site for calcium. 1989 , 160, 897-902		35

1324	Secondary structure and membrane topology of cytochrome P450s. 1989 , 275, 429-39	31
1323	Mechanism of action of <i>Bacillus thuringiensis</i> insecticidal delta-endotoxin: interaction with phospholipid vesicles. 1989 , 978, 216-22	47
1322	LH action in the Leydig cell: modulation by angiotensin II and corticotropin releasing hormone, and regulation of P450(17) alpha mRNA. 1989 , 34, 205-17	15
1321	The complete amino acid sequence of ribosomal protein S18 from the moderate thermophile <i>Bacillus stearothermophilus</i> . 1989 , 245, 253-60	2
1320	Isolation and sequencing of a cDNA clone encoding 107 kDa sialoglycoprotein in rat liver lysosomal membranes. 1989 , 244, 351-6	36
1319	Conservation of local electric fields in the evolution of Cu,Zn superoxide dismutase. 1989 , 250, 45-8	10
1318	N-terminal region of <i>Proteus mirabilis</i> glutathione transferase is not homologous to mammalian and plant glutathione transferases. 1989 , 250, 57-9	7
1317	Cloning and sequencing of the human nucleolin cDNA. 1989 , 250, 99-105	111
1316	Nitrite reductase from <i>Pseudomonas aeruginosa</i> : sequence of the gene and the protein. 1989 , 254, 33-8	80
1315	Rat pineal S-antigen: sequence analysis reveals presence of alpha-transducin homologous sequence. 1989 , 247, 307-11	31
1314	Point mutations in conserved amino acid residues within the C-terminal domain of HIV-1 reverse transcriptase specifically repress RNase H function. 1989 , 257, 311-4	149
1313	Secondary structure prediction for RNA binding domain in RNP proteins identifies beta alpha beta as the main structural motif. 1989 , 257, 373-6	15
1312	Sequence analysis of the cloned streptococcal cell surface antigen I/II. 1989 , 258, 127-32	121
1311	Isolation of novel cDNA transformation markers from SV40-transformed human keratinocytes. 1989 , 182, 461-72	3
1310	Islet amyloid polypeptide (IAPP):cDNA cloning and identification of an amyloidogenic region associated with the species-specific occurrence of age-related diabetes mellitus. 1989 , 183, 484-93	117
1309	A superfamily of NADPH-dependent reductases in eukaryotes and prokaryotes. 1989 , 49, 377-88	72
1308	Caldesmon structure and function: sequence analysis of a 35 kilodalton actin- and calmodulin-binding fragment from the C-terminus of the turkey gizzard protein. 1989 , 160, 1371-8	30
1307	Amino acid sequence variations in protein AA of cats with high and low incidences of AA amyloidosis. 1989 , 94, 765-8	5

1306	A highly charged sequence of chick hsp90: a good candidate for interaction with steroid receptors. 1989 , 34, 369-74		14
1305	A template based method of pattern matching in protein sequences. 1989 , 54, 159-252		19
1304	Protein conformational prediction. <i>Trends in Biochemical Sciences</i> , 1989 , 14, 295-9	10.3	60
1303	Identification of the cystic fibrosis gene: cloning and characterization of complementary DNA. 1989 , 245, 1066-73		6189
1302	Molecular modeling of protein-glycosaminoglycan interactions. 1989 , 9, 21-32		1133
1301	Divergence of the nucleotide sequences encoding xanthine dehydrogenase in <i>Calliphora vicina</i> and <i>Drosophila melanogaster</i> . 1989 , 85, 391-402		49
1300	Effects of internal deletions on the priming activity of the phage phi 29 terminal protein. 1989 , 83, 187-95		36
1299	Linear optimization of predictors for secondary structure. Application to transbilayer segments of membrane proteins. <i>Journal of Molecular Biology</i> , 1989 , 210, 195-209	6.5	15
1298	Bacterial resistance ATPases: primary pumps for exporting toxic cations and anions. <i>Trends in Biochemical Sciences</i> , 1989 , 14, 76-80	10.3	153
1297	A general model for the transmembrane proteins of HIV and other retroviruses. 1989 , 5, 431-40		343
1296	Molecular population genetics of structural variants of esterase 6 in <i>Drosophila melanogaster</i> . 1989 , 31, 788-96		11
1295	Fc-receptor and M-protein genes of group A streptococci are products of gene duplication. 1989 , 86, 4741-5		117
1294	Use of hydrophilicity plotting procedures to identify protein antigenic segments and other interaction sites. 1989 , 178, 571-85		25
1293	Molecular cloning and expression of cDNA encoding a luminal calcium binding glycoprotein from sarcoplasmic reticulum. 1989 , 86, 6047-51		67
1292	Sequence divergence and open regions of RNA secondary structures in the envelope regions of the 17 human immunodeficiency virus isolates. 1989 , 17, 3275-88		26
1291	Keratin 19: Predicted amino acid sequence and broad tissue distribution suggest it evolved from keratinocyte keratins. 1989 , 92, 707-716		117
1290	Secondary structure predictions for rat osteopontin. 1989 , 21, 15-20		55
1289	DNA determinants of structural and regulatory variation within the murine beta-glucuronidase gene complex. 1989 , 9, 4074-8		10

1288	Protein secondary structure prediction with a neural network. 1989 , 86, 152-6	380
1287	Homology analysis of the protein sequences of fatty acid synthases from chicken liver, rat mammary gland, and yeast. 1989 , 86, 8373-6	13
1286	Calcium channel activity of purified human synexin and structure of the human synexin gene. 1989 , 86, 3798-802	129
1285	Molecular cloning and amino acid sequence of human plakoglobin, the common junctional plaque protein. 1989 , 86, 4027-31	196
1284	Structural homology of complement protein C6 with other channel-forming proteins of complement. 1989 , 86, 2799-803	23
1283	An ubiquitously expressed gene 3.5 kilobases upstream of the glycerol-3-phosphate dehydrogenase gene in mice. 1989 , 9, 935-45	12
1282	Amino-terminal extension generated from an upstream AUG codon increases the efficiency of mitochondrial import of yeast N2,N2-dimethylguanosine-specific tRNA methyltransferases. 1989 , 9, 1611-20	45
1281	A single essential gene, PRI2, encodes the large subunit of DNA primase in <i>Saccharomyces cerevisiae</i> . 1989 , 9, 3081-7	66
1280	A plasmid-encoded regulatory gene, <i>rns</i> , required for expression of the CS1 and CS2 adhesins of enterotoxigenic <i>Escherichia coli</i> . 1989 , 86, 963-7	133
1279	Homology between hydroxybutyryl and hydroxyacyl coenzyme A dehydrogenase enzymes from <i>Clostridium acetobutylicum</i> fermentation and vertebrate fatty acid beta-oxidation pathways. 1989 , 171, 6800-7	43
1278	The identification of a novel synaptosomal-associated protein, SNAP-25, differentially expressed by neuronal subpopulations. 1989 , 109, 3039-52	710
1277	Prediction of bilayer spanning domains of hydrophobic and amphipathic membrane proteins: application to the cytochrome b and colicin families. 1989 , 172, 439-61	20
1276	Outer membrane protein H1 of <i>Pseudomonas aeruginosa</i> : purification of the protein and cloning and nucleotide sequence of the gene. 1989 , 171, 3211-7	36
1275	Facile preparation and characterization of the toxin from <i>Bacillus thuringiensis</i> var. <i>kurstaki</i> . 1989 , 260, 87-91	70
1274	A super-secondary structure predicted to be common to several alpha-1,4-D-glucan-cleaving enzymes. 1989 , 259, 145-52	110
1273	The second subunit of methanol dehydrogenase of <i>Methylobacterium extorquens</i> AM1. 1989 , 260, 857-62	79
1272	Plasma-desorption mass spectrometry as an aid in protein sequence determination. Application of the method on a cuticular protein from the migratory locust (<i>Locusta migratoria</i>). 1989 , 262, 923-30	30
1271	The quaternary structure in solution of human complement subcomponent C1r2C1s2. 1989 , 263, 463-9	20

1270	Sequence homology between putative raw-starch binding domains from different starch-degrading enzymes. 1989 , 264, 309-11	179
1269	The cDNA cloning of a pea (<i>Pisum sativum</i>) seed lipoxygenase. Sequence comparisons of the two major pea seed lipoxygenase isoforms. 1989 , 264, 929-32	47
1268	Evolutionary relationship between the TonB-dependent outer membrane transport proteins: nucleotide and amino acid sequences of the <i>Escherichia coli</i> colicin I receptor gene. 1989 , 171, 1041-7	86
1267	Genetics and sequence analysis of the <i>pcnB</i> locus, an <i>Escherichia coli</i> gene involved in plasmid copy number control. 1989 , 171, 1254-61	120
1266	Map of sequential B cell epitopes of the HIV-1 transmembrane protein using human antibodies as probe. 1990 , 31, 327-38	32
1265	The regulatory gene <i>areA</i> mediating nitrogen metabolite repression in <i>Aspergillus nidulans</i> . Mutations affecting specificity of gene activation alter a loop residue of a putative zinc finger.. 1990 , 9, 1355-1364	317
1264	A suppressor of an RNA polymerase II mutation of <i>Saccharomyces cerevisiae</i> encodes a subunit common to RNA polymerases I, II, and III. 1990 , 10, 6123-31	47
1263	Molecular cloning and amino acid sequence of brain L-glutamate decarboxylase. 1990 , 87, 8491-5	45
1262	Isolation of carp genes encoding major histocompatibility complex antigens. 1990 , 87, 6863-7	208
1261	Characterization of human myosin light chains 1sa and 3nm: implications for isoform evolution and function. 1990 , 10, 1095-104	38
1260	Oocyte-specific expression of mouse <i>Zp-2</i> : developmental regulation of the zona pellucida genes. 1990 , 10, 1507-15	152
1259	Islet amyloid polypeptide: pinpointing amino acid residues linked to amyloid fibril formation. 1990 , 87, 5036-40	678
1258	Isolation of a yeast gene, <i>SRH1</i> , that encodes a homologue of the 54K subunit of mammalian signal recognition particle. 1990 , 107, 457-63	42
1257	Antibodies to transforming growth factor-beta 2 peptides: specific detection of TGF-beta 2 in immunoassays. 1990 , 3, 45-52	56
1256	An Intrinsic Tonoplast Protein of Protein Storage Vacuoles in Seeds Is Structurally Related to a Bacterial Solute Transporter (<i>GlpF</i>). 1990 , 2, 525	2
1255	Structural comparisons of the native and reactive-centre-cleaved forms of alpha 1-antitrypsin by neutron- and X-ray-scattering in solution. 1990 , 267, 203-12	52
1254	Protein multiple sequence alignment and flexible pattern matching. 1990 , 183, 403-28	142
1253	Structural and functional properties of plant reovirus genomes. 1990 , 38, 249-306	38

1252	Mitochondrial Aminoacyl-RNA Synthetases. 1990 , 39, 129-158	20
1251	The variable antigens Vmp7 and Vmp21 of the relapsing fever bacterium <i>Borrelia hermsii</i> are structurally analogous to the VSG proteins of the African trypanosome. 1990 , 4, 1715-26	64
1250	Characterization of FapR, a positive regulator of expression of the 987P operon in enterotoxigenic <i>Escherichia coli</i> . 1990 , 4, 1779-83	38
1249	The identification of the <i>Escherichia coli</i> ftsY gene product: an unusual protein. 1990 , 4, 575-83	56
1248	Characterization of the traT gene and mutants that increase outer membrane permeability from the <i>Salmonella typhimurium</i> virulence plasmid. 1990 , 4, 49-57	22
1247	Conservation throughout vertebrate evolution of the predicted beta-strands in myelin basic protein. 1990 , 55, 1404-11	29
1246	Shark myelin basic protein: amino acid sequence, secondary structure, and self-association. 1990 , 55, 950-5	11
1245	Molecular cloning, structure, and expression of dopamine-beta-hydroxylase from bovine adrenal medulla. 1990 , 55, 97-105	18
1244	Main immunogenic region of <i>Torpedo</i> electroplax and human muscle acetylcholine receptor: localization and microheterogeneity revealed by the use of synthetic peptides. 1990 , 54, 51-61	44
1243	Directed mutagenesis of selected regions of abacillus thuringiensis entomocidal protein. 1990 , 68, 97-104	27
1242	Pattern recognition of the secondary structure of proteins (alpha-helix and beta-structure). 1990 , 146, 145-56	3
1241	Cold shock and DNA binding. 1990 , 344, 823-4	105
1240	Structural studies of the lysozyme coded by the pneumococcal phage Cp-1. Conformational changes induced by choline. 1990 , 187, 409-16	27
1239	Conformational changes of tarantula (<i>Eurypelma californicum</i>) haemocyanin detected with a fluorescent probe, 7-chloro-4-nitrobenzo-2-oxa-1,3-diazole. 1990 , 187, 617-25	11
1238	Carboxyl-terminal structure of basic fibroblast growth factor significantly contributes to its affinity for heparin. 1990 , 188, 239-45	60
1237	Complete amino acid sequence of tenebrosin-C, a cardiac stimulatory and haemolytic protein from the sea anemone <i>Actinia tenebrosa</i> . 1990 , 190, 319-28	51
1236	Yeast homoserine kinase. Characteristics of the corresponding gene, THR1, and the purified enzyme, and evolutionary relationships with other enzymes of threonine metabolism. 1990 , 191, 115-22	15
1235	Citrate lyase from <i>Klebsiella pneumoniae</i> . The complete primary structure of the acyl lyase subunit. 1990 , 192, 161-6	1

1234	Regulated expression and phosphorylation of the 23-26-kDa ras protein in the sponge <i>Geodia cydonium</i> . 1990 , 192, 499-506	1
1233	Nitrous oxide reductase from denitrifying <i>Pseudomonas stutzeri</i> . Genes for copper-processing and properties of the deduced products, including a new member of the family of ATP/GTP-binding proteins. 1990 , 192, 591-9	79
1232	Primary structure of the oligo-1,6-glucosidase of <i>Bacillus cereus</i> ATCC7064 deduced from the nucleotide sequence of the cloned gene. 1990 , 192, 609-20	65
1231	The complete amino-acid sequences of human ganglioside GM2 activator protein and cerebroside sulfate activator protein. 1990 , 192, 709-14	53
1230	Purification and characterization of acyl carrier protein from two cyanobacteria species. 1990 , 193, 817-25	13
1229	KRDS, a new peptide derived from human lactotransferrin, inhibits platelet aggregation and release reaction. 1990 , 194, 43-9	52
1228	A novel class of binding proteins in the antennae of the silk moth <i>Antheraea pernyi</i> . 1990 , 20, 735-740	99
1227	Eighth International Conference on Methods in Protein Sequence Analysis. (July 1-6, 1990, Kiruna, Sweden). Short communications. 1990 , 9, 247-368	1
1226	Molecular modeling of human granulocyte-macrophage colony-stimulating factor. 1990 , 8 Suppl 1, 26-33; discussion 33-4	14
1225	Circular dichroism and laser Raman spectroscopic analysis of the secondary structure of <i>Cerebratulus lacteus</i> toxin B-IV. 1990 , 9, 433-43	13
1224	Opioid-binding protein (OBCAM) is rich in beta-sheets. 1990 , 9, 3-7	5
1223	Crystallization of alcohol oxidase from <i>Pichia pastoris</i> . Secondary structure predictions indicate a domain with the eightfold beta/alpha-barrel fold. 1990 , 9, 83-6	13
1222	Secondary structure of the entomocidal toxin from <i>Bacillus thuringiensis</i> subsp. <i>kurstaki</i> HD-73. 1990 , 9, 87-94	15
1221	Investigation of the Ca ²⁺ -dependent interaction of trifluoperazine with S100a: a 19F NMR and circular dichroism study. 1990 , 9, 169-75	13
1220	Cross-reactive asparagine-rich determinants shared between several blood-stage antigens of <i>Plasmodium falciparum</i> and the circumsporozoite protein. 1990 , 40, 113-28	20
1219	Theoretical conformational analysis of a family of alpha-helical immunocytokines. 1990 , 1041, 178-85	9
1218	Physical characterization of histidine-rich protein from <i>Plasmodium lophurae</i> . 1990 , 1038, 330-7	8
1217	Conformational study of the chromosomal protein MC1 from the archaebacterium <i>Methanosarcina barkeri</i> . 1990 , 1038, 346-54	22

1216	Comparative structure, function and regulation of isocitrate lyase, an important assimilatory enzyme. 1990 , 95, 431-58	53
1215	Structural homologies between leguminosae lectins as revealed by the hydrophobic cluster analysis (HCA) method. 1990 , 18, 419-427	7
1214	Dimers, leucine zippers and DNA-binding domains. 1990 , 6, 36-40	367
1213	Antigenic epitopes of NEF proteins from different HIV-1 strains as recognized by sera from patients with manifest and latent HIV infection. 1990 , 176, 458-66	38
1212	Identification of conserved domains in the cell attachment proteins of the three serotypes of reovirus. 1990 , 174, 399-409	74
1211	Myxoma virus and malignant rabbit fibroma virus encode a serpin-like protein important for virus virulence. 1990 , 179, 618-31	96
1210	Immunoglobulin Fc binding activity is associated with the mouse hepatitis virus E2 peplomer protein. 1990 , 176, 70-80	15
1209	Myristylation and polylysine-mediated activation of the protein kinase domain of the large subunit of herpes simplex virus type 2 ribonucleotide reductase (ICP10). 1990 , 179, 168-78	36
1208	The N-terminal env-derived amino acids of v-rel are required for full transforming activity. 1990 , 177, 106-15	23
1207	Capsomer proteins of bacteriophage PRD1, a bacterial virus with a membrane. 1990 , 177, 445-51	80
1206	The coding region for the 54-kDa protein of several pestiviruses lacks host insertions but reveals a "zinc finger-like" domain. 1990 , 177, 812-5	39
1205	Pea convicilin: structure and primary sequence of the protein and expression of a gene in the seeds of transgenic tobacco. 1990 , 180, 461-70	41
1204	Evolution of a protein superfamily: relationships between vertebrate lens crystallins and microorganism dormancy proteins. 1990 , 30, 140-5	151
1203	Functional analysis of the 3'-terminal part of the Balbiani ring 2.2 gene by interspecies sequence comparison. 1990 , 31, 221-7	7
1202	Polyproline, beta-turn helices. Novel secondary structures proposed for the tandem repeats within rhodopsin, synaptophysin, synexin, gliadin, RNA polymerase II, hordein, and gluten. 1990 , 7, 125-55	90
1201	Beta-lactamase of <i>Bacillus licheniformis</i> 749/C at 2 Å resolution. 1990 , 7, 156-71	171
1200	HERA--a program to draw schematic diagrams of protein secondary structures. 1990 , 8, 203-12	92
1199	Bundles of amphipathic transmembrane alpha-helices as a structural motif for ion-conducting channel proteins: studies on sodium channels and acetylcholine receptors. 1990 , 8, 226-36	75

1198	The yeast regulatory gene PHO4 encodes a helix-loop-helix motif. 1990 , 6, 451-4	42
1197	Divergence and conservation of SUP2 (SUP35) gene of yeast <i>Pichia pinus</i> and <i>Saccharomyces cerevisiae</i> . 1990 , 6, 461-72	59
1196	The <i>Saccharomyces cerevisiae</i> NPR1 gene required for the activity of ammonia-sensitive amino acid permeases encodes a protein kinase homologue. 1990 , 222, 393-9	83
1195	Proton-linked sugar transport systems in bacteria. <i>Journal of Bioenergetics and Biomembranes</i> , 1990 , 22, 525-69	3.7 140
1194	Type-specific immunodetection of human heart fatty acid-binding protein with polyclonal anti-peptide antibodies. 1990 , 98, 41-8	9
1193	Primary structure of a pheromone-binding protein from <i>Antheraea pernyi</i> : homologies with other ligand-carrying proteins. 1990 , 160, 503-9	56
1192	Nucleotide sequence of the maize chloroplast rpo B/C1/C2 operon: comparison between the derived protein primary structures from various organisms with respect to functional domains. 1990 , 221, 379-94	57
1191	Light-harvesting proteins of diatoms: their relationship to the chlorophyll a/b binding proteins of higher plants and their mode of transport into plastids. 1990 , 224, 91-100	89
1190	Computer analysis of antigenic domains and RGD-like sequences (RGWG) in the E glycoprotein of flaviviruses: an approach to vaccine development. 1990 , 4, 267-82	10
1189	Analysis of the haemolysin secretion system by PhoA-HlyA fusion proteins. 1990 , 224, 201-8	66
1188	Nitrate reductases of <i>Escherichia coli</i> : sequence of the second nitrate reductase and comparison with that encoded by the narGHJ operon. 1990 , 222, 104-11	121
1187	Sequence of two tomato nuclear genes encoding chlorophyll a/b-binding proteins of CP24, a PSII antenna component. 1990 , 15, 157-60	37
1186	Identification and cDNA cloning of a new nodule-specific gene, Nms-25 (nodulin-25) of <i>Medicago sativa</i> . 1990 , 14, 467-75	22
1185	Cloning and characterization of a cDNA encoding the wheat (<i>Triticum durum</i> Desf.) CM16 protein. 1990 , 14, 313-22	32
1184	Modeling of protease I collagenolytic enzyme from the fiddler crab <i>Uca pugilator</i> . 1990 , 4, 107-16	1
1183	Penicillin acylase mutants with altered site-directed activity from <i>Kluyvera citrophila</i> . 1990 , 33, 553-9	14
1182	Class I major histocompatibility complex cDNA clones from sheep thymus: alternative splicing could make a long cytoplasmic tail. 1990 , 32, 77-87	28
1181	Molecular cloning, sequencing and expression of an alpha 2-adrenergic receptor complementary DNA from rat brain. 1990 , 97, 161-72	57

1180	Computer predictions of antigenic domains in human immunodeficiency virus-1 envelope glycoprotein: comparison with reported experimental data. 1990 , 3, 323-41	3
1179	Heterodimeric capping proteins constitute a highly conserved group of actin-binding proteins. 1990 , 11, 369-76	15
1178	27 amino acid residues can be deleted from the N-terminus of human lymphotoxin without impairment of its cytotoxic activity. 1990 , 3, 94-9	2
1177	A knowledge-based architecture for protein sequence analysis and structure prediction. 1990 , 8, 94-107	10
1176	A protein structure predictor based on an energy model with learned parameters. 1990 , 3, 129-141	13
1175	Are synthetic peptides suitable for the detection of continuous epitopes only?. 1990 , 24, 191-7	8
1174	Protein L: A peptococcal cell wall protein with affinity for immunoglobulin light chains. 1990 , 267-278	4
1173	Streptococcal protein G. 1990 , 113-126	8
1172	Conservative mutations in the putative metal-binding region of human immunodeficiency virus tat disrupt virus replication. 1990 , 6, 1257-63	20
1171	Fatty acids on the A/Japan/305/57 influenza virus hemagglutinin have a role in membrane fusion.. 1990 , 9, 3857-3866	79
1170	Identification of a positive regulator of the Mu middle operon. 1990 , 172, 6641-50	35
1169	The nucleotide sequence of the <i>Desulfovibrio gigas</i> desulfiredoxin gene indicates that the <i>Desulfovibrio vulgaris</i> rbo gene originated from a gene fusion event. 1990 , 172, 7289-92	38
1168	Early expression of a collagenase-like hatching enzyme gene in the sea urchin embryo.. 1990 , 9, 3003-3012	120
1167	Molecular analysis of the C1-I allele from <i>Zea mays</i> : a dominant mutant of the regulatory C1 locus.. 1990 , 9, 315-321	60
1166	Secretion of methanol-insoluble heat-stable enterotoxin (STB): energy- and secA-dependent conversion of pre-STB to an intermediate indistinguishable from the extracellular toxin. 1990 , 172, 2427-32	46
1165	Surface topology of the <i>Escherichia coli</i> K-12 ferric enterobactin receptor. 1990 , 172, 2736-46	111
1164	Sequence and structural characteristics of the trypsin-resistant T6 surface protein of group A streptococci. 1990 , 172, 3310-7	73
1163	Characterization of malT mutants that constitutively activate the maltose regulon of <i>Escherichia coli</i> . 1990 , 172, 1846-52	31

1162	Isolation and characterization of a <i>Treponema pallidum</i> major 60-kilodalton protein resembling the groEL protein of <i>Escherichia coli</i> . 1990 , 172, 2862-70	20
1161	DNA sequence of a <i>Fibrobacter succinogenes</i> mixed-linkage beta-glucanase (1,3-1,4-beta-D-glucan 4-glucanohydrolase) gene. 1990 , 172, 3837-41	73
1160	Synthesis of <i>Escherichia coli</i> heat-stable enterotoxin STp as a pre-pro form and role of the pro sequence in secretion. 1990 , 172, 5260-5	42
1159	Origin, Chemistry, and Mechanisms of Action of a Repellent, Presynaptic Excitatory, Ionophore Polypeptide. 1990 , 347-364	7
1158	Sequence of the pckA gene of <i>Escherichia coli</i> K-12: relevance to genetic and allosteric regulation and homology of <i>E. coli</i> phosphoenolpyruvate carboxykinase with the enzymes from <i>Trypanosoma brucei</i> and <i>Saccharomyces cerevisiae</i> . 1990 , 172, 7151-6	54
1157	Mutations leading to constitutive expression from the TOL plasmid meta-cleavage pathway operon are located at the C-terminal end of the positive regulator protein XylS. 1990 , 172, 3707-10	32
1156	Molecular cloning of the uteroferrin-associated protein, a major progesterone-induced serpin secreted by the porcine uterus, and the expression of its mRNA during pregnancy. 1990 , 4, 428-40	34
1155	Quantitative analysis of the selective pressure exerted on homologous proteins. 1990 , 6, 223-8	
1154	Overlapping reading frames at the LYS5 locus in the yeast <i>Yarrowia lipolytica</i> . 1990 , 10, 4795-806	44
1153	The HXT2 gene of <i>Saccharomyces cerevisiae</i> is required for high-affinity glucose transport. 1990 , 10, 5903-13	114
1152	Structural design and molecular evolution of a cytokine receptor superfamily. 1990 , 87, 6934-8	1850
1151	Further Information For Multiple Secondary Structure Of Protein By Using Information Theory.	
1150	The highly conserved amino acid sequence motif Tyr-Gly-Asp-Thr-Asp-Ser in alpha-like DNA polymerases is required by phage phi 29 DNA polymerase for protein-primed initiation and polymerization. 1990 , 87, 4610-4	83
1149	Secondary structure prediction for the spectrin 106-amino acid segment, and a proposed model for tertiary structure. 1990 , 8, 55-62	7
1148	Purification of a glutathione S-transferase that mediates fosfomycin resistance in bacteria. 1990 , 34, 844-8	79
1147	Primary sequence and heterologous expression of nuclear pore glycoprotein p62. 1990 , 110, 1861-71	138
1146	Expression and function of chicken integrin beta 1 subunit and its cytoplasmic domain mutants in mouse NIH 3T3 cells. 1990 , 110, 175-84	219
1145	Sec2 protein contains a coiled-coil domain essential for vesicular transport and a dispensable carboxy terminal domain. 1990 , 110, 1897-909	82

1144	A <i>Bacillus subtilis</i> regulatory gene product for genetic competence and sporulation resembles sensor protein members of the bacterial two-component signal-transduction systems. 1990 , 4, 860-72	160
1143	BIK1, a protein required for microtubule function during mating and mitosis in <i>Saccharomyces cerevisiae</i> , colocalizes with tubulin. 1990 , 111, 2573-86	157
1142	Isolation of two developmentally regulated genes involved in spore wall maturation in <i>Saccharomyces cerevisiae</i> . 1990 , 4, 1775-89	152
1141	Elucidating the structural chemistry of glycosaminoglycan recognition by protein C inhibitor. 1990 , 87, 8506-10	62
1140	Cloning and expression of the cDNA for a <i>Drosophila</i> insulin-degrading enzyme. 1990 , 4, 1580-91	61
1139	Side chain contributions to the stability of alpha-helical structure in peptides. 1990 , 250, 669-73	443
1138	The nucleotide sequence of an equine herpesvirus 4 gene homologue of the herpes simplex virus 1 glycoprotein H gene. 1990 , 71 (Pt 8), 1793-800	30
1137	Differential Expression of Five <i>Arabidopsis</i> Genes Encoding Glycine-Rich Proteins. 1990 , 2, 427	6
1136	HIV-1 reverse transcriptase: structure predictions for the polymerase domain. 1990 , 6, 1061-72	67
1135	Molecular modeling of residues 38-57 of the beta-subunit of human lutropin. 1990 , 4, 859-68	6
1134	Cloning and expression of rat liver CTP: phosphocholine cytidyltransferase: an amphipathic protein that controls phosphatidylcholine synthesis. 1990 , 87, 6029-33	144
1133	Human homolog of the mouse sperm receptor. 1990 , 87, 6014-8	161
1132	Sequence and structural similarities between the leucine-specific binding protein and leucyl-tRNA synthetase of <i>Escherichia coli</i> . 1990 , 87, 4561-5	9
1131	Differentiation between two biologically distinct classes of group A streptococci by limited substitutions of amino acids within the shared region of M protein-like molecules. 1990 , 172, 1757-64	66
1130	Complete sequence of the <i>Drosophila</i> nonmuscle myosin heavy-chain transcript: conserved sequences in the myosin tail and differential splicing in the 5' untranslated sequence. 1990 , 87, 6316-20	49
1129	Molecular basis for surface antigen size polymorphisms and conservation of a neutralization-sensitive epitope in <i>Anaplasma marginale</i> . 1990 , 87, 3220-4	156
1128	Molecular cloning and DNA sequence analysis of a diphtheria toxin iron-dependent regulatory element (dtxR) from <i>Corynebacterium diphtheriae</i> . 1990 , 87, 5968-72	210
1127	Potential for two isoforms of the A1 ribonucleoprotein in <i>Xenopus laevis</i> . 1990 , 87, 1367-71	25

1126	Molecular cloning and complete nucleotide sequence of the cDNA encoding a bovine lens intrinsic membrane protein (MP19). 1990 , 9, 955-61	16
1125	Secondary structure of the human membrane-associated folate binding protein using a joint prediction approach. 1990 , 7, 985-1001	4
1124	Gene F of plasmid RSF1010 codes for a low-molecular-weight repressor protein that autoregulates expression of the repAC operon. 1990 , 18, 6215-22	16
1123	Virus neutralizing and enhancing epitopes characterized by synthetic oligopeptides derived from the feline leukaemia virus glycoprotein sequence. 1990 , 71 (Pt 1), 77-83	14
1122	Enhancement of bovine growth hormone activity by antibodies against growth hormone peptides. 1990 , 125, 31-8	28
1121	A distal dimerization domain is essential for DNA-binding by the atypical HNF1 homeodomain. 1990 , 18, 5853-63	140
1120	Models for the structure and function of the <i>Bacillus thuringiensis</i> delta-endotoxins determined by compilational analysis. 1990 , 1, 97-106	58
1119	<i>Bacillus subtilis</i> ada operon encodes two DNA alkyltransferases. 1990 , 18, 5473-80	48
1118	DNA sequencing of a mouse liver protein that binds selenium: implications for selenium's mechanism of action in cancer prevention. 1990 , 11, 2071-3	97
1117	Characterisation of the DNA binding domain of the yeast RAP1 protein. 1990 , 18, 2617-23	75
1116	De novo design, expression, and characterization of Felix: a four-helix bundle protein of native-like sequence. 1990 , 249, 884-91	390
1115	Cloning, sequencing, expression, and site-directed mutagenesis of the gene from <i>Clostridium perfringens</i> encoding pyruvoyl-dependent histidine decarboxylase. 1990 , 29, 132-9	32
1114	Identification of a seventh operon on plasmid RK2 regulated by the korA gene product. 1990 , 89, 29-35	29
1113	Site-directed mutagenesis of the YCDTDS amino acid motif of the phi 29 DNA polymerase. 1990 , 94, 45-51	27
1112	Mutational analysis of the phage T4 morphogenetic 31 gene, whose product interacts with the <i>Escherichia coli</i> GroEL protein. 1990 , 86, 19-25	30
1111	Prediction of protein structure from sequence. 1990 , 26, 1163-6	8
1110	Nucleotide sequence of mkaD, a virulence-associated gene of <i>Salmonella typhimurium</i> containing variable and constant regions. 1990 , 93, 147-50	18
1109	The prediction of transmembrane protein sequences and their conformation: an evaluation. <i>Trends in Biochemical Sciences</i> , 1990 , 15, 89-92	10.3 98

1108	Mutation of a gene that encodes a kinesin-like protein blocks nuclear division in <i>A. nidulans</i> . 1990 , 60, 1019-27	368
1107	Negative regulatory elements of the <i>Saccharomyces cerevisiae</i> PHO system: interaction between PHO80 and PHO85 proteins. 1990 , 96, 181-8	11
1106	Location of the dihydroorotase domain within trifunctional hamster dihydroorotate synthetase. 1990 , 94, 283-8	21
1105	Primary structure of the deoxyguanosine triphosphate triphosphohydrolase-encoding gene (dgt) of <i>Escherichia coli</i> . 1990 , 89, 13-8	15
1104	A putative ATP binding protein influences the fidelity of branchpoint recognition in yeast splicing. 1990 , 60, 705-17	174
1103	Nucleotide and deduced amino acid sequence of the nonstructural phosphoprotein, NS2, of bluetongue virus serotype 17: comparison to two isolates of serotype 10. 1990 , 15, 243-50	5
1102	Analysis of the <i>tsx</i> gene, which encodes a nucleoside-specific channel-forming protein (Tsx) in the outer membrane of <i>Escherichia coli</i> . 1990 , 96, 59-65	44
1101	Cloning, sequencing and characterization of the [NiFe]hydrogenase-encoding structural genes (<i>hoxK</i> and <i>hoxG</i>) from <i>Azotobacter vinelandii</i> . 1990 , 96, 67-74	58
1100	Secondary structure of the mammalian 70-kilodalton heat shock cognate protein analyzed by circular dichroism spectroscopy and secondary structure prediction. 1990 , 29, 8199-206	60
1099	Contractile proteins in <i>Drosophila</i> development. 1990 , 582, 233-51	46
1098	Structural analyses of the 120-kDa serotype protein antigens of typhus group rickettsiae. Comparison with other S-layer proteins. 1990 , 590, 334-51	45
1097	A structural and immunological comparison of rickettsial HSP60 antigens with those of other species. 1990 , 590, 352-69	20
1096	Antigenic structure of <i>Coxiella burnetii</i> . A comparison of lipopolysaccharide and protein antigens as vaccines against Q fever. 1990 , 590, 370-80	48
1095	Caldesmon: fragments, sequence, and domain mapping. 1990 , 599, 100-10	14
1094	Relations between protein sequence and structure and their significance. <i>Journal of Molecular Biology</i> , 1990 , 213, 337-50	6.5 51
1093	Phi X174 protein E-mediated lysis of <i>Escherichia coli</i> . 1990 , 72, 191-200	58
1092	Cloning of <i>usp45</i> , a gene encoding a secreted protein from <i>Lactococcus lactis</i> subsp. <i>lactis</i> MG1363. 1990 , 95, 155-60	190
1091	Apolipoprotein J: structure and tissue distribution. 1990 , 29, 5380-9	293

1090	Changes in a mammalian signal sequence required for efficient protein secretion by yeasts. 1990 , 86, 251-5		17
1089	Comparison and accuracy of methodologies employed for analysis of hydropathy, flexibility and secondary structure of proteins. 1990 , 129, 77-88		6
1088	Novel method for the rapid evaluation of packing in protein structures. <i>Journal of Molecular Biology</i> , 1990 , 211, 959-74	6.5	130
1087	Improvements in protein secondary structure prediction by an enhanced neural network. <i>Journal of Molecular Biology</i> , 1990 , 214, 171-82	6.5	626
1086	Structural homology among four nodaviruses as deduced by sequencing and X-ray crystallography. <i>Journal of Molecular Biology</i> , 1990 , 214, 423-35	6.5	52
1085	Secretion and membrane integration of a filamentous phage-encoded morphogenetic protein. <i>Journal of Molecular Biology</i> , 1990 , 211, 565-80	6.5	86
1084	Two-domain structure of the native and reactive centre cleaved forms of C1 inhibitor of human complement by neutron scattering. <i>Journal of Molecular Biology</i> , 1990 , 214, 751-63	6.5	57
1083	Signal-regulator interactions. Genetic analysis of the effector binding site of xylS, the benzoate-activated positive regulator of <i>Pseudomonas</i> TOL plasmid meta-cleavage pathway operon. <i>Journal of Molecular Biology</i> , 1990 , 211, 373-82	6.5	83
1082	A proposed structure of bacteriophage T4 gene product 22--a major prohead scaffolding core protein. 1990 , 104, 24-31		19
1081	Identification and characterization of a gene encoding a kinesin-like protein in <i>Drosophila</i> . 1990 , 61, 991-1000		173
1080	v-erbA oncogene activation entails the loss of hormone-dependent regulator activity of c-erbA. 1990 , 61, 1035-49		214
1079	Function of <i>Neurospora</i> mitochondrial tyrosyl-tRNA synthetase in RNA splicing requires an idiosyncratic domain not found in other synthetases. 1990 , 62, 745-55		73
1078	Shared architecture of hormone binding domains in type I and II interferon receptors. 1990 , 61, 753-4		111
1077	The macrophage and B cell-specific transcription factor PU.1 is related to the ets oncogene. 1990 , 61, 113-24		889
1076	A kinesin-like protein required for distributive chromosome segregation in <i>Drosophila</i> . 1990 , 62, 1053-62		208
1075	A myosin-like dimerization helix and an extra-large homeodomain are essential elements of the tripartite DNA binding structure of LFB1. 1990 , 61, 1225-36		171
1074	Selection of brain choline acetyltransferase synthetic peptides. 1990 , 16, 149-55		3
1073	The giardins of <i>Giardia lamblia</i> : genes and proteins with promise. 1990 , 6, 52-6		33

1072	Identification of the calmodulin binding domain of alpha-fodrin and implications for folding. 1990 , 72, 19-24	3
1071	Purification and characterization of bioactive peptides from skin extracts of <i>Rana esculenta</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1990 , 1033, 318-23	4 52
1070	200th American chemical society national meeting. 1990 , 1, 122-124	
1069	SequenceEditingAligner: a multiple sequence editor and aligner. 1990 , 7, 39-45	5
1068	The <i>Drosophila</i> IMP-E2 gene encodes an apically secreted protein expressed during imaginal disc morphogenesis. 1990 , 140, 337-51	16
1067	Genomic organization and polypeptide primary structure of zona pellucida glycoprotein hZP3, the hamster sperm receptor. 1990 , 142, 414-21	77
1066	Structure of alkaline phosphatases. 1990 , 186, 175-87	144
1065	Amino acid sequence of photosystem I subunit IV from the cyanobacterium <i>Synechocystis</i> PCC 6803. 1990 , 260, 241-4	8
1064	A second consensus sequence of ATP-requiring proteins resides in the 21-kDa C-terminal segment of myosin subfragment 1. 1990 , 262, 185-8	14
1063	A repeated decapeptide motif in the C-terminal domain of the ribosomal RNA methyltransferase from the erythromycin producer <i>Saccharopolyspora erythraea</i> . 1990 , 262, 189-93	9
1062	Structure-function analysis of human interleukin-6. Evidence for the involvement of the carboxy-terminus in function. 1990 , 262, 323-6	68
1061	Identification of a conserved protein motif in a group of growth factor receptors. 1990 , 272, 7-11	50
1060	An element of symmetry in yeast TATA-box binding protein transcription factor IID. Consequence of an ancestral duplication?. 1990 , 261, 223-5	14
1059	A novel approach to prediction of the 3-dimensional structures of protein backbones by neural networks. 1990 , 261, 43-6	90
1058	Mapping of the region of the tick-borne encephalitis virus replicase adjacent to initiating substrate binding center. 1990 , 277, 75-7	6
1057	Prediction of arenavirus fusion peptides on the basis of computer analysis of envelope protein sequences. 1990 , 269, 145-7	17
1056	Prediction of domain organisation and secondary structure of thyroid peroxidase, a human autoantigen involved in destructive thyroiditis. 1990 , 266, 133-41	29
1055	Isolation and characterization of human HSP70 expressed in <i>Escherichia coli</i> . 1990 , 280, 53-60	12

1054	Subunit delta of H(+)-ATPases: at the interface between proton flow and ATP synthesis. 1990 , 1015, 379-90	40
1053	Orientation into the lipid bilayer of an asymmetric amphipathic helical peptide located at the N-terminus of viral fusion proteins. 1990 , 1029, 267-73	89
1052	Bacillus amyloliquefaciens alpha-amylase signal sequence fused in frame with human proinsulin is properly processed by Bacillus subtilis cells. 1990 , 169, 297-301	7
1051	Presence in invertebrate genomes of sequences characterized by the repetition of the triplet CCPurine. 1990 , 166, 66-73	0
1050	Expression of DNA sequences containing neuron specific enolase gene in Escherichia coli. 1990 , 173, 231-9	6
1049	A tomato cDNA inducible by salt stress and abscisic acid: nucleotide sequence and expression pattern. 1990 , 15, 695-705	110
1048	Protein structure prediction. 1990 , 72, 513-24	51
1047	Localization and molecular modelling of the membrane-inserted domain of the ninth component of human complement and perforin. 1990 , 27, 589-602	70
1046	Immunological and structural features of the protein core of human polymorphic epithelial mucin. 1990 , 27, 795-802	125
1045	Biological activity and structural stability of N-deglycosylated recombinant human erythropoietin. 1991 , 176, 698-704	25
1044	Statherin: a major boundary lubricant of human saliva. 1991 , 180, 91-7	85
1043	Antigenic structure of bovine growth hormone: location of a growth enhancing region. 1991 , 28, 41-50	28
1042	A cluster of continuous antigenic structures in the transmembrane protein of HIV-1: individual patterns of reactivity in human sera. 1991 , 28, 613-22	7
1041	A monoclonal antibody recognizing the C-terminal region of chicken egg white riboflavin carrier protein terminates early pregnancy in mice. 1991 , 28, 471-8	23
1040	Exon-2 nucleotide sequences, polymorphism and haplotype distribution of a new HLA-DRB gene: HLA-DRB sigma. 1991 , 28, 533-43	46
1039	Full amino acid sequence of centrally administered NPY required for maximal food intake response. 1991 , 49, 521-6	26
1038	Neuropoietic cytokines in the hematopoietic fold. 1991 , 7, 197-208	474
1037	Multiple mRNA coding for phospholipid-transfer protein from Zea mays arise from alternative splicing. 1991 , 99, 133-6	29

1036	Functional dissection of Drosophila abdominal-B protein. 1991 , 35, 55-64		15
1035	Identification of residues essential for progesterone binding to uteroglobin by site-directed mutagenesis. 1991 , 38, 27-33		13
1034	A metal-linked gapped zipper model is proposed for the 90 kDa heat shock protein-estrogen receptor interface. 1991 , 35, 140-5		12
1033	Epitope prediction and confirmation for the human androgen receptor: generation of monoclonal antibodies for multi-assay performance following the synthetic peptide strategy. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1991 , 1073, 23-32	4	83
1032	Three-dimensional molecular modeling of bovine caseins: kappa-casein. 1991 , 74, 2879-87		35
1031	Sequences of three genes specifying xylanases in <i>Streptomyces lividans</i> . 1991 , 107, 75-82		133
1030	A zinc finger protein-encoding gene expressed in the post-meiotic phase of spermatogenesis. 1991 , 106, 221-7		46
1029	The identification of a structurally important cysteine residue in the glycerol dehydrogenase from <i>Bacillus stearothermophilus</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1991 , 1073, 386-93	4	5
1028	Human monoclonal autoantibody 2E7 is specific for a peptide sequence of platelet glycoprotein IIb. Localization of the epitope to IIb231-238 with an immunodominant Trp235. 1991 , 4, 415-31		18
1027	A synthetic peptide corresponding to hFSH-beta-(81-95) has thioredoxin-like activity. 1991 , 78, 163-70		13
1026	Synthesis of truncated amino-terminal trimers of thrombospondin. 1991 , 30, 6556-62		49
1025	Structure-function relationships in human lecithin:cholesterol acyltransferase. Site-directed mutagenesis at serine residues 181 and 216. 1991 , 30, 10074-7		65
1024	Photodependent inhibition of rat liver NAD(P)H:quinone acceptor oxidoreductase by (A)-2-azido-NAD ⁺ and (A)-8-azido-NAD. 1991 , 30, 6942-8		6
1023	Structure-function studies of human cholesteryl ester transfer protein by linker insertion scanning mutagenesis. 1991 , 30, 3484-90		30
1022	Mimicking the membrane-mediated conformation of dynorphin A-(1-13)-peptide: circular dichroism and nuclear magnetic resonance studies in methanolic solution. 1991 , 30, 4715-26		31
1021	Investigation of the solution structure of the human parathyroid hormone fragment (1-34) by 1H NMR spectroscopy, distance geometry, and molecular dynamics calculations. 1991 , 30, 6936-42		82
1020	Borrowed proteins in bacterial bioluminescence. 1991 , 88, 1100-4		48
1019	Neutron and X-ray scattering studies on the human complement protein properdin provide an analysis of the thrombospondin repeat. 1991 , 30, 8000-8		37

1018	The 30-kilodalton subunit of bovine mitochondrial complex I is homologous to a protein coded in chloroplast DNA. 1991 , 30, 1901-8		51
1017	Approaches to predicting effects of single amino acid substitutions on the function of a protein. 1991 , 30, 6230-40		14
1016	Selective proteolytic cleavage of recombinant human interleukin 4. Evidence for a critical role of the C-terminus. 1991 , 30, 9576-82		20
1015	Stimulation of transcript elongation requires both the zinc finger and RNA polymerase II binding domains of human TFIIS. 1991 , 30, 7842-51		91
1014	The structure of human acidic fibroblast growth factor and its interaction with heparin. 1991 , 289, 53-61		132
1013	Zinc is required for folding and binding of a single zinc finger to DNA. 1991 , 279, 289-94		20
1012	An extension of secondary structure prediction towards the prediction of tertiary structure. 1991 , 280, 141-6		12
1011	The complete amino acid sequence of the haemorrhagic factor LHFII, a metalloproteinase isolated from the venom of the bushmaster snake (<i>Lachesis muta muta</i>). 1991 , 282, 178-82		49
1010	The amino acid sequences of jacalin and the <i>Maclura pomifera</i> agglutinin. 1991 , 282, 382-4		49
1009	Beta-breakers: an aperiodic secondary structure. <i>Journal of Molecular Biology</i> , 1991 , 221, 603-13	6.5	43
1008	Physical studies of tyrosine and tryptophan residues in mammalian A1 heterogeneous nuclear ribonucleoprotein. Support for a segmented structure. <i>Journal of Molecular Biology</i> , 1991 , 221, 693-709	6.5	19
1007	Prediction of protein backbone conformation based on seven structure assignments. Influence of local interactions. <i>Journal of Molecular Biology</i> , 1991 , 221, 961-79	6.5	180
1006	Identification of NodR, a negative transacting factor controlling the nod regulon in <i>Rhizobium meliloti</i> . <i>Journal of Molecular Biology</i> , 1991 , 222, 885-96	6.5	84
1005	Generalized protein tertiary structure recognition using associative memory Hamiltonians. <i>Journal of Molecular Biology</i> , 1991 , 222, 1013-34	6.5	65
1004	The molecular basis of the undulated/Pax-1 mutation. 1991 , 66, 873-84		246
1003	The Viviparous-1 developmental gene of maize encodes a novel transcriptional activator. 1991 , 66, 895-905		583
1002	Glycine loops in proteins: their occurrence in certain intermediate filament chains, lorcrins and single-stranded RNA binding proteins. 1991 , 13, 130-9		175
1001	Isolation and amino acid sequence of crustacean hyperglycemic hormone precursor-related peptides. 1991 , 12, 673-81		25

1000	Aminoacyl-tRNA synthetase family from prokaryotes and eukaryotes: structural domains and their implications. 1991 , 40, 95-142		201
999	Point mutations that lock Salmonella typhimurium flagellar filaments in the straight right-handed and left-handed forms and their relation to filament superhelicity. <i>Journal of Molecular Biology</i> , 1991 , 220, 79-88	6.5	61
998	Further characterization of ts1-8, a mutant of herpes simplex virus type 1. 1991 , 20, 71-83		
997	Analysis of the cbHE' plasmid gene from acute disease-causing isolates of Coxiella burnetii. 1991 , 103, 113-8		17
996	Epitope mapping of the anti-human progesterone receptor monoclonal antibody, AB-52. 1991 , 39, 687-92		9
995	Pax: a murine multigene family of paired box-containing genes. 1991 , 11, 424-34		380
994	Three-dimensional molecular modeling of bovine caseins: alpha s1-casein. 1991 , 74, 2889-95		70
993	The p65 subunit is responsible for the strong transcription activating potential of NF-kappa B.. 1991 , 10, 3805-3817		578
992	Mutations replacing the leucine codons or altering the length of the amino acid-coding portion of the ilvGMEDA leader region of Escherichia coli. 1991 , 173, 2341-53		4
991	The small-subunit polypeptide of methylamine dehydrogenase from Methylobacterium extorquens AM1 has an unusual leader sequence. 1991 , 173, 5909-13		17
990	Cloning and characterization of the plasma membrane H(+)-ATPase from Candida albicans. 1991 , 173, 6826-36		95
989	Neisseria gonorrhoeae prepilin export studied in Escherichia coli. 1991 , 173, 7589-98		40
988	The flaA locus of Bacillus subtilis is part of a large operon coding for flagellar structures, motility functions, and an ATPase-like polypeptide. 1991 , 173, 3573-9		105
987	Genetic evidence for interaction between the CheW and Tsr proteins during chemoreceptor signaling by Escherichia coli. 1991 , 173, 4941-51		122
986	The korF region of broad-host-range plasmid RK2 encodes two polypeptides with transcriptional repressor activity. 1991 , 173, 826-33		51
985	A component of the multisynthetase complex is a multifunctional aminoacyl-tRNA synthetase.. 1991 , 10, 4267-4277		95
984	Increased protein flexibility leads to promiscuous protein-DNA interactions in type IC restriction-modification systems.. 1991 , 10, 951-957		31
983	A hypothetical model for the peptide binding domain of hsp70 based on the peptide binding domain of HLA.. 1991 , 10, 1053-1059		138

982	Spectrum of mutations in aspartylglucosaminuria. 1991 , 88, 11222-6	56
981	Chapter 1 Molecular Genetic Analyses of Drosophila Kinesin. 1991 , 38, 1-11	
980	Predicting protein secondary structure based on amino acid sequence. 1991 , 202, 31-44	64
979	Use of homologous sequences to improve protein secondary structure prediction. 1991 , 202, 45-59	8
978	Prediction of alpha helices and T cell-presented sequences in proteins with algorithms based on strip-of-helix hydrophobicity index. 1991 , 202, 225-38	8
977	Pattern-based approaches to protein structure prediction. 1991 , 202, 252-68	9
976	Isolation and characterization of PEP3, a gene required for vacuolar biogenesis in <i>Saccharomyces cerevisiae</i> . 1991 , 11, 5801-12	67
975	cDNA cloning and sequencing of human fibrillarin, a conserved nucleolar protein recognized by autoimmune antisera. 1991 , 88, 931-5	166
974	Cloning by differential screening of a <i>Xenopus</i> cDNA that encodes a kinesin-related protein. 1991 , 11, 3395-8	140
973	Regulation of the oncogenic activity of the cellular src protein requires the correct spacing between the kinase domain and the C-terminal phosphorylated tyrosine (Tyr-527). 1991 , 11, 5832-8	16
972	Activation of tyrosinase kinase and microfilament-binding functions of c-abl by bcr sequences in bcr/abl fusion proteins. 1991 , 11, 1553-65	263
971	Leucine periodicity of U2 small nuclear ribonucleoprotein particle (snRNP) A' protein is implicated in snRNP assembly via protein-protein interactions. 1991 , 11, 1578-89	44
970	Analysis of constitutive and noninducible mutations of the PUT3 transcriptional activator. 1991 , 11, 2609-19	72
969	Assessment of the transcriptional activation potential of the HMG chromosomal proteins. 1991 , 11, 4483-9	52
968	Multiple overlapping homologies between two rheumatoid antigens and immunosuppressive viruses. 1991 , 88, 6328-32	25
967	TolA: a membrane protein involved in colicin uptake contains an extended helical region. 1991 , 88, 5939-43	134
966	HMG1-related DNA-binding protein isolated with V-(D)-J recombination signal probes. 1991 , 11, 4528-36	95
965	Cloning, sequencing, and expression of the gene coding for bile acid 7 alpha-hydroxysteroid dehydrogenase from <i>Eubacterium</i> sp. strain VPI 12708. 1991 , 173, 4558-69	60

964	Neural networks for protein structure prediction. 1991 , 202, 204-24	21
963	Identification and structure of four yeast genes (SLY) that are able to suppress the functional loss of YPT1, a member of the RAS superfamily. 1991 , 11, 872-85	308
962	.	
961	Identification and sequencing of the Choristoneura biennis entomopoxvirus DNA polymerase gene. 1991 , 2, 39-45	15
960	Comparison of the domain-level organization of starch hydrolases and related enzymes. 1991 , 280 (Pt 1), 51-5	175
959	Possible secondary structure in plant and yeast beta-glucanase. 1991 , 274 (Pt 1), 41-3	13
958	The secondary structure of protein G', a robust molecule. 1991 , 274 (Pt 2), 503-7	17
957	Does MAP1B bind to tubulin through the interaction of alpha-helices?. 1991 , 274 (Pt 2), 621-2	11
956	Cloning, expression, isolation and characterization of the pre-S domains of hepatitis B surface antigen, devoid of the S protein. 1991 , 276 (Pt 2), 411-6	10
955	Structural properties of long- and short-chain alcohol dehydrogenases. Contribution of NAD ⁺ to stability. 1991 , 276 (Pt 2), 433-8	29
954	Molecular comparisons of the beta 2-microglobulin-binding site in class I major-histocompatibility-complex alpha-chains and proteins of related sequences. 1991 , 277 (Pt 2), 359-69	42
953	Protection of BALB/c mice from respiratory syncytial virus infection by immunization with a synthetic peptide derived from the G glycoprotein. 1991 , 185, 749-57	85
952	Prediction of protein secondary structures using a combined method based on the recognition, lim and garnier-osguthorpe-robson algorithms. 1991 , 232, 321-336	3
951	Crystallization and characterization of a lectin obtained from a mushroom, Aleuria aurantia. 1991 , 1076, 187-90	25
950	Secondary structure of Escherichia coli glucosamine-6-phosphate deaminase from amino acid sequence and circular dichroism spectroscopy. 1991 , 1076, 266-72	19
949	Predicting antigenic sites on proteins. 1991 , 9, 163-9	24
948	Common principles in protein folding and antigen presentation. 1991 , 9, 238-42	3
947	The domain of Epstein-Barr virus nuclear antigen 1 essential for binding to oriP region has a sequence fitted for the hypothetical basic-helix-loop-helix structure. 1991 , 182, 84-93	32

946	The incorporation of reovirus cell attachment protein sigma 1 into virions requires the N-terminal hydrophobic tail and the adjacent heptad repeat region. 1991 , 182, 346-50	36
945	A comparison of the nucleotide sequences of cognate NS2 genes of three different orbiviruses. 1991 , 185, 500-4	39
944	Sequence analysis of infectious pancreatic necrosis virus genome segment B and its encoded VP1 protein: a putative RNA-dependent RNA polymerase lacking the Gly-Asp-Asp motif. 1991 , 181, 541-52	106
943	A prominent antigenic surface polypeptide involved in the biogenesis and function of the vaccinia virus envelope. 1991 , 181, 671-86	29
942	Nucleotide sequence of the bacteriophage P22 genes required for DNA packaging. 1991 , 183, 519-38	120
941	Genome organization of membrane-containing bacteriophage PRD1. 1991 , 183, 658-76	68
940	In vitro membrane binding of the translation products of the carlavirus 7-kDa protein genes. 1991 , 183, 782-5	28
939	A secondary structure evaluation of peptides based on statistics and heuristic rules. 1991 , 34, 9-15	2
938	The mec-4 gene is a member of a family of <i>Caenorhabditis elegans</i> genes that can mutate to induce neuronal degeneration. 1991 , 349, 588-93	507
937	Segregation of a missense mutation in the amyloid precursor protein gene with familial Alzheimer's disease. 1991 , 349, 704-6	3768
936	The developmental gene Knotted-1 is a member of a maize homeobox gene family. 1991 , 350, 241-3	643
935	Protein structure. Prediction of progress at last. 1991 , 354, 105-6	66
934	A copy-number mutant of plasmid pSC101. 1991 , 5, 631-40	18
933	Computer modelling of the NAD binding site of ADP-ribosylating toxins: active-site structure and mechanism of NAD binding. 1991 , 5, 23-31	63
932	Involvement of the syrM and nodD3 genes of <i>Rhizobium meliloti</i> in nod gene activation and in optimal nodulation of the plant host. 1991 , 5, 3035-48	47
931	Structure-function analysis of the K88ab fimbrial subunit protein from porcine enterotoxigenic <i>Escherichia coli</i> . 1991 , 5, 1073-80	14
930	A gene (prsA) of <i>Bacillus subtilis</i> involved in a novel, late stage of protein export. 1991 , 5, 1273-83	119
929	Mutational analysis supports a role for multiple structural features in the C-terminal secretion signal of <i>Escherichia coli</i> haemolysin. 1991 , 5, 2391-403	114

928	T-helper-cell determinants in protein antigens are preferentially located in cysteine-rich antigen segments resistant to proteolytic cleavage by cathepsin B, L, and D. 1991 , 34, 421-31	11
927	The MADS box gene family in tomato: temporal expression during floral development, conserved secondary structures and homology with homeotic genes from <i>Antirrhinum</i> and <i>Arabidopsis</i> . 1991 , 1, 255-266	242
926	Nucleotide sequence of the ethidium efflux gene from <i>Escherichia coli</i> . 1991 , 82, 229-232	46
925	Amino acid and cDNA sequences of a methionine-rich 2S protein from sunflower seed (<i>Helianthus annuus</i> L.). 1991 , 195, 329-34	98
924	Lys631 residue in the active site of the bacteriophage T7 RNA polymerase. Affinity labeling and site-directed mutagenesis. 1991 , 195, 841-7	22
923	Primary structure of a new actin-binding protein from human seminal plasma. 1991 , 196, 743-50	38
922	Primary and secondary structural patterns in eukaryotic cytochrome P-450 families correspond to structures of the helix-rich domain of <i>Pseudomonas putida</i> cytochrome P-450cam. Indications for a similar overall topology. 1991 , 198, 307-15	22
921	Amino acid sequence analysis of the annexin super-gene family of proteins. 1991 , 198, 749-60	126
920	Determination of amino acid sequences involved in the processing of the ARG5/ARG6 precursor in <i>Saccharomyces cerevisiae</i> . 1991 , 199, 325-35	19
919	Prepeptide sequence of cinnamycin (Ro 09-0198): the first structural gene of a duramycin-type lantibiotic. 1991 , 199, 411-5	73
918	Primary structure of porin from <i>Rhodobacter capsulatus</i> . 1991 , 199, 587-94	75
917	Conformational and epitope mapping of herpes-simplex-virus type-1 thymidine kinase using synthetic peptide segments. 1991 , 200, 519-28	18
916	Pig kidney 3,4-dihydroxyphenylalanine (dopa) decarboxylase. Primary structure and relationships to other amino acid decarboxylases. 1991 , 201, 385-91	24
915	Structural role of amino acids 99-110 in recombinant human erythropoietin. 1991 , 202, 225-9	16
914	Self-catalysed affinity labeling of Q beta replicase. 1991 , 202, 249-54	
913	Secondary structure of human interleukin-3. 1991 , 23, 353-60	5
912	Secretion of mutant leucine-specific binding proteins with internal deletions in <i>Escherichia coli</i> . 1991 , 46, 321-30	1
911	Sequence of swallow, a gene required for the localization of bicoid message in <i>Drosophila</i> eggs. 1991 , 12, 333-41	21

910	Transduction of plant signal molecules by the Rhizobium NodD proteins. 1991 , 13, 575-81	37
909	The mutations in the fibronectin gene described in Japanese patients with systemic sclerosis are not present in Dutch patients. 1991 , 34, 490-2	3
908	Cytokine conformations: predictive studies. 1991 , 4, 63-75	24
907	Hepatitis delta virus cDNA sequence from an acutely HBV-infected chimpanzee: sequence conservation in experimental animals. 1991 , 34, 268-79	25
906	Folding and function of the myelin proteins from primary sequence data. 1991 , 28, 1-17	64
905	Morphology and antibody recognition of synthetic beta-amyloid peptides. 1991 , 28, 474-85	98
904	Synthesis, purification, and characterization of human ciliary neuronotrophic factor from E. coli. 1991 , 29, 251-60	37
903	Amino acid sequences of myosin essential and regulatory light chains from two clam species: comparison with other molluscan myosin light chains. 1991 , 12, 321-32	7
902	Myosin light chains and troponin C: structural and evolutionary relationships revealed by amino acid sequence comparisons. 1991 , 12, 3-25	101
901	Length polymorphism in the threonine-glycine-encoding repeat region of the period gene in Drosophila. 1991 , 32, 238-46	68
900	Proposed partial beta-structures for lac permease and the Na ⁺ /H ⁺ antiporter which use similar transport and H ⁺ coupling mechanisms. 1991 , 150, 239-49	7
899	Molecular modeling of phytochrome. 1991 , 151, 541-56	11
898	Weak correlation between predictive power of individual sequence patterns and overall prediction accuracy in proteins. 1991 , 9, 69-78	31
897	SESAM: a relational database for structure and sequence of macromolecules. 1991 , 11, 59-76	37
896	Experimental and theoretical studies of the three-dimensional structure of human interleukin-4. 1991 , 11, 111-9	32
895	Determination of the sequence of the yeast YCL313 gene localized on chromosome III. Homology with the protein disulfide isomerase (PDI gene product) of other organisms. 1991 , 7, 185-93	53
894	The YGL023 gene encodes a putative regulatory protein. 1991 , 7, 309-12	10
893	The open reading frame YCR101 located on chromosome III from Saccharomyces cerevisiae is a putative protein kinase. 1991 , 7, 651-5	24

892	Yeast mutant affected for viability upon nutrient starvation: characterization and cloning of the RVS161 gene. 1991 , 7, 727-43	113
891	The complete amino acid sequence of bovine antithrombin (ATIII). 1991 , 10, 205-12	18
890	Heptad motifs within the distal subdomain of the coiled-coil rod region of M protein from rheumatic fever and nephritis associated serotypes of group A streptococci are distinct from each other: nucleotide sequence of the M57 gene and relation of the deduced amino acid sequence to other M proteins. 1991 , 10, 369-84	31
889	Basic fibroblast growth factor is a beta-rich protein. 1991 , 10, 427-36	14
888	Investigation of a physical basis for conformational similarity in proteins. 1991 , 10, 273-85	3
887	Protein secondary structure preferences. 1991 , 8, 229-242	4
886	Neurofibromatosis type 1 (NF1) gene: implication in neuroectodermal differentiation and genesis of brain tumors. 1991 , 10, 301-10	14
885	Epstein-Barr virus BHRF1 gene but not the cellular protooncogene bcl-2 is expressed in ataxia-telangiectasia lymphoblastoid lines. 1991 , 5, 33-45	5
884	Requirement of the SecB chaperone for export of a non-secretory polypeptide in Escherichia coli. 1991 , 227, 224-8	26
883	Isolation, characterisation and molecular cloning of new mutant alleles of the fission yeast p34cdc2+ protein kinase gene: identification of temperature-sensitive G2-arresting alleles. 1991 , 229, 109-18	36
882	Structural and functional analysis of the rcsA gene from Erwinia stewartii. 1991 , 229, 155-60	28
881	Targeting proteins to diatom plastids involves transport through an endoplasmic reticulum. 1991 , 229, 400-4	87
880	Hybrid Bacillus (1-3,1-4)-beta-glucanases: engineering thermostable enzymes by construction of hybrid genes. 1991 , 225, 177-85	71
879	Computer analysis of human immunodeficiency virus-1 envelope glycoprotein: functional topogenic domains as signals for transfer and cleavage. 1991 , 5, 287-312	8
878	Computer predictions of antigenic domains in herpes simplex virus types 1 and 2 glycoprotein D as compared with experimentally proven domains. 1991 , 5, 367-75	1
877	The gene for a halophilic glutamate dehydrogenase: sequence, transcription analysis and phylogenetic implications. 1991 , 230, 345-52	44
876	A novel glycine-rich cell wall protein gene in rice. 1991 , 16, 187-98	41
875	Tomato extensin and extensin-like cDNAs: structure and expression in response to wounding. 1991 , 16, 547-65	76

874	Site-directed mutagenesis and expression in <i>Escherichia coli</i> of WMAI-1, a wheat monomeric inhibitor of insect alpha-amylase. 1991 , 17, 1005-11	37
873	Characterization of the gene encoding the 10 kDa polypeptide of photosystem II from <i>Arabidopsis thaliana</i> . 1991 , 17, 517-22	5
872	A transposition of the reverse transcriptase gene reveals unexpected structural homology to <i>E. coli</i> DNA polymerase I. 1991 , 84, 77-86	5
871	Computer-aided active-site-directed modeling of the herpes simplex virus 1 and human thymidine kinase. 1991 , 5, 385-404	23
870	Which came first, MHC class I or class II?. 1991 , 33, 295-300	127
869	Molecular cloning and immunolocalization of two variants of the major basic nuclear protein (HCc) from the histone-less eukaryote <i>Cryptocodinium cohnii</i> (Pyrrhophyta). 1991 , 100, 510-8	48
868	Members of the zinc finger protein gene family sharing a conserved N-terminal module. 1991 , 19, 5661-7	74
867	The isolation and characterization of a novel cDNA demonstrating an altered mRNA level in nontumorigenic Wilms' microcell hybrid cells. 1991 , 19, 5763-9	98
866	Molecular cloning, sequence, and expression of cynomolgus monkey cholesteryl ester transfer protein. Inverse correlation between hepatic cholesteryl ester transfer protein mRNA levels and plasma high density lipoprotein levels. 1991 , 11, 1759-71	49
865	Deregulation of a homeobox gene, HOX11, by the t(10;14) in T cell leukemia. 1991 , 253, 79-82	389
864	Inferring consensus structure from nucleic acid sequences. 1991 , 7, 347-52	64
863	The primary structure of NG2, a novel membrane-spanning proteoglycan. 1991 , 114, 359-71	227
862	The crooked neck gene of <i>Drosophila</i> contains a motif found in a family of yeast cell cycle genes. 1991 , 5, 1080-91	43
861	Cloning and sequencing of rat plectin indicates a 466-kD polypeptide chain with a three-domain structure based on a central alpha-helical coiled coil. 1991 , 114, 83-99	170
860	Mapping of the DNA linking tyrosine residue of the PRD1 terminal protein. 1991 , 19, 3805-10	9
859	An essential role of domain D in the hormone-binding activity of human beta 1 thyroid hormone nuclear receptor. 1991 , 5, 485-92	47
858	Dynactin, a conserved, ubiquitously expressed component of an activator of vesicle motility mediated by cytoplasmic dynein. 1991 , 115, 1639-50	422
857	Characterization of a gene controlling heterocyst differentiation in the cyanobacterium <i>Anabaena</i> 7120. 1991 , 5, 321-30	264

856	The evolutionarily conserved Krüppel-associated box domain defines a subfamily of eukaryotic multifingered proteins. 1991 , 88, 3608-12	347
855	Mutagenesis of the human transferrin receptor: two cytoplasmic phenylalanines are required for efficient internalization and a second-site mutation is capable of reverting an internalization-defective phenotype. 1991 , 112, 853-61	50
854	Activation of in vitro proliferation of human T cells by a synthetic peptide of toxic shock syndrome toxin 1. 1991 , 163, 524-9	17
853	Structure of the luteinizing hormone receptor gene and multiple exons of the coding sequence. 1991 , 128, 2297-308	136
852	Identification of a missense mutation in an adult-onset patient with glycogenosis type II expressing only one allele. 1991 , 10, 681-7	20
851	Nucleotide sequence and organization of genes flanking the transfer origin of promiscuous plasmid RP4. 1991 , 1, 303-27	79
850	Enhanced hematopoietic activity of a human granulocyte/macrophage colony-stimulating factor-interleukin 3 fusion protein. 1991 , 88, 5809-13	114
849	Sites within the complement C3b/C4b receptor important for the specificity of ligand binding. 1991 , 88, 4353-7	118
848	Retroviral integrase domains: DNA binding and the recognition of LTR sequences. 1991 , 19, 851-60	295
847	Predicting location of continuous epitopes in proteins from their primary structures. 1991 , 203, 176-201	118
846	Identification of an epitope on the P and V proteins of simian virus 5 that distinguishes between two isolates with different biological characteristics. 1991 , 72 (Pt 7), 1551-7	177
845	Isolation and sequencing of a cDNA for an unusual hemoglobin from the parasitic nematode <i>Pseudoterranova decipiens</i> . 1991 , 88, 5655-9	32
844	The complete amino-acid sequence of the heavy chain of the human myeloma protein WIE, an immunoglobulin D. 1991 , 372, 795-818	1
843	Use of synthetic peptides to locate neutralizing antigenic domains on the fusion protein of respiratory syncytial virus. 1991 , 72 (Pt 5), 1051-8	39
842	Sequence of the clathrin heavy chain from <i>Saccharomyces cerevisiae</i> and requirement of the COOH terminus for clathrin function. 1991 , 112, 65-80	60
841	Cloning and molecular characterization of the murine macrophage "68-kDa" protein kinase C substrate and its regulation by bacterial lipopolysaccharide. 1991 , 88, 2505-9	79
840	A small region of the beta-adrenergic receptor is selectively involved in its rapid regulation. 1991 , 88, 2979-83	158
839	Sequence of the major nucleocapsid protein gene of pneumonia virus of mice: sequence comparisons suggest structural homology between nucleocapsid proteins of pneumoviruses, paramyxoviruses, rhabdoviruses and filoviruses. 1991 , 72 (Pt 3), 677-85	54

838	Plant Enolase: Gene Structure, Expression, and Evolution. 1991 , 3, 719	15
837	Cystic fibrosis transmembrane conductance regulator: nucleotide binding to a synthetic peptide. 1991 , 251, 555-7	95
836	Molecular biology of the 2-haloacid halido-hydrolyase IVa from <i>Pseudomonas cepacia</i> MBA4. 1992 , 284 (Pt 1), 87-93	48
835	Inhibition of TSH bio-activity by synthetic beta TSH peptides. 1992 , 18, 1-17	2
834	Sugar Translocation Symport Systems in Bacteria. 1992 , 137, 149-208	39
833	Expression of Antisense or Sense RNA of an Ankyrin Repeat-Containing Gene Blocks Chloroplast Differentiation in Arabidopsis. 1992 , 4, 1575	2
832	Identification of separate determinants on the thyrotropin receptor reactive with Graves' thyroid-stimulating antibodies and with thyroid-stimulating blocking antibodies in idiopathic myxedema: these determinants have no homologous sequence on gonadotropin receptors. 1992 , 6, 168-80	51
831	Structure, function, molecular genetics, and epidemiology of apolipoprotein B. 1992 , 12, 311-20	10
830	Synthesis of peptides for use as immunogens. 1992 , 80, 23-32	5
829	The centromere and promoter factor 1 of yeast contains a dimerisation domain located carboxy-terminal to the bHLH domain. 1992 , 20, 4229-36	26
828	Molecular determinants of human prorenin processing. 1992 , 20, 782-7	10
827	Crosstalk between plasmid vegetative replication and conjugative transfer: repression of the trfA operon by trbA of broad host range plasmid RK2. 1992 , 20, 3939-44	46
826	The HMG Box Motif. 1992 , 112-128	14
825	Sequence comparison of new prokaryotic and mitochondrial members of the polypeptide chain release factor family predicts a five-domain model for release factor structure. 1992 , 20, 4423-8	42
824	Isolation and characterization of RAT1: an essential gene of <i>Saccharomyces cerevisiae</i> required for the efficient nucleocytoplasmic trafficking of mRNA. 1992 , 6, 1173-89	320
823	Environment affects amino acid preference for secondary structure. 1992 , 89, 4462-5	237
822	NuMA: an unusually long coiled-coil related protein in the mammalian nucleus. 1992 , 116, 1303-17	214
821	Identification of amino acid sequences in the integrin beta 1 cytoplasmic domain implicated in cytoskeletal association. 1992 , 117, 1321-30	263

820	The NUF1 gene encodes an essential coiled-coil related protein that is a potential component of the yeast nucleoskeleton. 1992 , 116, 1319-32	101
819	Mutation R468W of the iduronate-2-sulfatase gene in mild Hunter syndrome (mucopolysaccharidosis type II) confirmed by in vitro mutagenesis and expression. 1992 , 1, 755-7	37
818	Expression of antisense or sense RNA of an ankyrin repeat-containing gene blocks chloroplast differentiation in arabidopsis. 1992 , 4, 1575-88	71
817	Identification of HLA-DR1 beta chain residues critical for binding staphylococcal enterotoxins A and E. 1992 , 175, 415-24	114
816	Localization of group-specific epitopes on the major capsid protein of group A rotavirus. 1992 , 73 (Pt 4), 907-14	25
815	Mutations defining functional regions of the superantigen staphylococcal enterotoxin B. 1992 , 175, 387-96	197
814	The 24K protein of Borna disease virus. 1992 , 73 (Pt 2), 413-6	54
813	DNA Sequence Analysis of a Complementary DNA for Cold-Regulated Arabidopsis Gene cor15 and Characterization of the COR 15 Polypeptide. 1992 , 99, 519-25	150
812	Two RNA-binding motifs in the double-stranded RNA-activated protein kinase, DAI. 1992 , 6, 2478-90	212
811	Heterogeneity of linear B cell epitopes of the measles virus fusion protein reacting with late convalescent sera. 1992 , 73 (Pt 9), 2211-6	24
810	A new family of proteinases is defined by several snake venom metalloproteinases. 1992 , 373, 381-5	28
809	Do the ends justify the mean? Proline mutations at the ends of the keratin coiled-coil rod segment are more disruptive than internal mutations. 1992 , 116, 1181-95	148
808	Dynein from Dictyostelium: primary structure comparisons between a cytoplasmic motor enzyme and flagellar dynein. 1992 , 119, 1597-604	113
807	The proteins of ISGF-3, the interferon alpha-induced transcriptional activator, define a gene family involved in signal transduction. 1992 , 89, 7840-3	468
806	Molecular cloning and sequence of cDNA encoding the pyrophosphate-energized vacuolar membrane proton pump of Arabidopsis thaliana. 1992 , 89, 1775-9	178
805	CIK1: a developmentally regulated spindle pole body-associated protein important for microtubule functions in Saccharomyces cerevisiae. 1992 , 6, 1414-29	81
804	StuA is required for cell pattern formation in Aspergillus. 1992 , 6, 1770-82	160
803	A tobacco DNA binding protein that interacts with a light-responsive box II element. 1992 , 4, 831-8	94

802	A single amino acid change restores DNA cytosine methyltransferase activity in a cloned chlorella virus pseudogene. 1992 , 20, 1637-42	17
801	Identification of a gag protein epitope conserved among all four groups of primate immunodeficiency viruses by using monoclonal antibodies. 1992 , 73 (Pt 10), 2721-4	7
800	Partial protein sequence of the globular domain of alpha 4(IV) collagen chain: sites of sequence variability and homology with alpha 2(IV). 1992 , 28, 231-44	1
799	Cloning of the gamma chain of the human IL-2 receptor. 1992 , 257, 379-82	810
798	Structural basis for the nucleic acid binding cooperativity of bacteriophage T4 gene 32 protein: the (Lys/Arg)3(Ser/Thr)2 (LAST) motif. 1992 , 89, 1050-4	37
797	Vicinal cysteines in the prosequence play a role in von Willebrand factor multimer assembly. 1992 , 89, 3531-5	185
796	Nuclear and mitochondrial inheritance in yeast depends on novel cytoplasmic structures defined by the MDM1 protein. 1992 , 118, 385-95	95
795	Structural properties and evolutionary relationships of PspA, a surface protein of Streptococcus pneumoniae, as revealed by sequence analysis. 1992 , 174, 601-9	180
794	Photolabelling of Salmonella typhimurium LT2 sialidase. Identification of a peptide with a predicted structural similarity to the active sites of influenza-virus sialidases. 1992 , 285 (Pt 3), 957-64	12
793	Cloning, primary sequence and chromosomal localization of human FMO2, a new member of the flavin-containing mono-oxygenase family. 1992 , 287 (Pt 1), 261-7	46
792	First determination of the secondary structure of purified factor VIII light chain. 1992 , 288 (Pt 1), 35-40	9
791	Mutagenesis of ribosomal protein S8 from Escherichia coli: defects in regulation of the spc operon. 1992 , 174, 1213-21	23
790	The DNA binding site of HMG1 protein is composed of two similar segments (HMG boxes), both of which have counterparts in other eukaryotic regulatory proteins.. 1992 , 11, 1055-1063	168
789	The functional domains of the Drosophila morphogen dorsal: evidence from the analysis of mutants. 1992 , 6, 619-30	61
788	Predicted alpha-helical regions of the prion protein when synthesized as peptides form amyloid. 1992 , 89, 10940-4	319
787	Characterization of the fliE genes of Escherichia coli and Salmonella typhimurium and identification of the FliE protein as a component of the flagellar hook-basal body complex. 1992 , 174, 2298-304	52
786	Molecular characterization of the sor gene, which encodes the sulfur oxygenase/reductase of the thermoacidophilic Archaeum Desulfurolobus ambivalens. 1992 , 174, 5854-9	63
785	A Tobacco DNA Binding Protein That Interacts with a Light-Responsive Box II Element. 1992 , 4, 831	11

784	An infrequent point mutation of the p53 gene in human nasopharyngeal carcinoma. 1992 , 89, 6516-20	120
783	Novel member of the zinc finger superfamily: A C2-HC finger that recognizes a glia-specific gene. 1992 , 12, 5632-9	114
782	Sequence analysis of cytoplasmic mRNA-binding proteins of <i>Xenopus</i> oocytes identifies a family of RNA-binding proteins. 1992 , 89, 11-5	251
781	Amino acids necessary for DNA contact and dimerization imply novel motifs in the papillomavirus E2 trans-activator. 1992 , 6, 105-16	53
780	Hepatocyte nuclear factor 3 beta contains two transcriptional activation domains, one of which is novel and conserved with the <i>Drosophila</i> fork head protein. 1992 , 12, 3723-32	185
779	Alteration of spinach ribulose-1,5-bisphosphate carboxylase/oxygenase activase activities by site-directed mutagenesis. 1992 , 99, 1201-7	27
778	Conserved DNA binding and self-association domains of the <i>Drosophila</i> zeste protein. 1992 , 12, 598-608	37
777	MET4, a leucine zipper protein, and centromere-binding factor 1 are both required for transcriptional activation of sulfur metabolism in <i>Saccharomyces cerevisiae</i> . 1992 , 12, 1719-27	146
776	Nucleotide sequence of the <i>Escherichia coli</i> cad operon: a system for neutralization of low extracellular pH. 1992 , 174, 2659-69	208
775	A <i>Coxiella burnetii</i> repeated DNA element resembling a bacterial insertion sequence. 1992 , 174, 5540-8	113
774	The sigma 70 family: sequence conservation and evolutionary relationships. 1992 , 174, 3843-9	808
773	Secondary structure prediction. 1992 , 2, 237-241	15
772	New short period mutations of the <i>Drosophila</i> clock gene per. 1992 , 9, 575-81	61
771	Membrane transport proteins: implications of sequence comparisons. 1992 , 4, 684-95	292
770	Nucleotide sequence analysis of the gene encoding the <i>Caulobacter crescentus</i> paracrystalline surface layer protein. 1992 , 38, 193-202	64
769	A mutation in the POU-homeodomain of Pit-1 responsible for combined pituitary hormone deficiency. 1992 , 257, 1115-8	375
768	Secondary structure analysis identifies a putative mouse protein demonstrating similarity to the repeat units found in CDC4, the G protein beta subunits and related proteins. 1992 , 3, 213-20	2
767	CLIP-170 links endocytic vesicles to microtubules. 1992 , 70, 887-900	335

766	Structure and stability of bovine casein micelles. 1992 , 43, 63-151	298
765	Comparative structural analysis of desmoplakin, bullous pemphigoid antigen and plectin: members of a new gene family involved in organization of intermediate filaments. 1992 , 14, 145-53	152
764	Gelsolin-derived familial amyloidosis caused by asparagine or tyrosine substitution for aspartic acid at residue 187. 1992 , 2, 157-60	142
763	A common epitope of beta-lactoglobulin and serum retinol-binding proteins: elucidation of its core sequence using synthetic peptides. 1992 , 29, 511-6	19
762	Viral thymidine kinases and their relatives. 1992 , 54, 319-55	60
761	A lung type prostaglandin F synthase is expressed in bovine liver: cDNA sequence and expression in <i>E. coli</i> . 1992 , 183, 1238-46	20
760	The HRAS1 gene cluster: two upstream regions recognizing transcripts and a third encoding a gene with a leucine zipper domain. 1992 , 14, 309-19	16
759	Distinct agonist- and antagonist-binding sites on the glycine receptor. 1992 , 9, 491-6	121
758	Sequence of the <i>Kluyveromyces lactis</i> beta-galactosidase: comparison with prokaryotic enzymes and secondary structure analysis. 1992 , 118, 55-63	68
757	Gibbon and marmoset c-myc nucleotide sequences. 1992 , 116, 231-43	4
756	A glycine-to-glutamate substitution abolishes alanine:glyoxylate aminotransferase catalytic activity in a subset of patients with primary hyperoxaluria type 1. 1992 , 13, 215-8	51
755	Identification of antigenic regions of the human Ro 60 kDa protein using recombinant antigen and synthetic peptides. 1992 , 5, 319-32	49
754	Structure of the gene encoding potato cytosolic pyruvate kinase. 1992 , 122, 255-61	15
753	Characterization of the allelic differences in the mouse cardiac alpha-myosin heavy chain coding sequence. 1992 , 13, 176-88	29
752	Sequence of the phosphoenolpyruvate carboxykinase-encoding cDNA from the rumen anaerobic fungus <i>Neocallimastix frontalis</i> : comparison of the amino acid sequence with animals and yeast. 1992 , 110, 57-63	31
751	Vacuolar H(+)-translocating pyrophosphatases: a new category of ion translocase. <i>Trends in Biochemical Sciences</i> , 1992 , 17, 348-53	10.3 128
750	A fusion plasmid for the synthesis of lipopeptide-antigen chimeras in <i>Escherichia coli</i> . 1992 , 116, 13-20	11
749	Cloning of cDNAs encoding human caldesmons. 1992 , 112, 197-204	69

748	Deduced sequences show multiple repeats in two D proteins from the tubular accessory glands of <i>Tenebrio molitor</i> . 1992 , 22, 387-398	6
747	Protein-coding introns from the 23S rRNA-encoding gene form stable circles in the hyperthermophilic archaeon <i>Pyrobaculum organotrophum</i> . 1992 , 121, 103-10	44
746	Predicting de novo the folded structure of proteins. 1992 , 2, 402-412	45
745	In human malaria protective antibodies are directed mainly against the Lys-Glu ion pair within the Lys-Glu-Lys motif of the synthetic vaccine SPf 66. 1992 , 14, 111-24	23
744	Folding and trimerization of clathrin subunits at the triskelion hub. 1992 , 68, 899-910	138
743	A cDNA encoding a pRB-binding protein with properties of the transcription factor E2F. 1992 , 70, 337-50	632
742	Analysis of a spatially regulated phosphotyrosine phosphatase identifies tyrosine phosphorylation as a key regulatory pathway in <i>Dictyostelium</i> . 1992 , 71, 637-47	67
741	Modelling of the photosystem II 33 kDa protein: Structure, functions and possible sulfate-sensitive sites derived from sequence-encoded information. 1992 , 32, 411-423	6
740	Chromogranin A epitopes: clues from synthetic peptides and peptide mapping. 1992 , 21, 105-18	14
739	Complete nucleotide sequence and gene organization of plasmid NTP16. 1992 , 27, 220-30	23
738	Biophysical mechanism of the scavenger site near T cell-presented epitopes. 1992 , 10, 3-7	6
737	Cloning and regulatory analysis of starvation-stress gene, <i>ssgA</i> , encoding a hydrophobin-like protein from the entomopathogenic fungus, <i>Metarhizium anisopliae</i> . 1992 , 120, 119-24	134
736	Time-resolved tryptophan emission study of cardiac troponin I. 1992 , 63, 986-95	36
735	Conformational analysis of apolipoprotein A-I and E-3 based on primary sequence and circular dichroism. 1992 , 63, 1221-39	153
734	Mutagenesis of the yeast plasma membrane H(+)-ATPase. A novel expression system. 1992 , 62, 228-34; discussion 235-7	20
733	Ligand expression using antigenization of antibody: Principle and methods. 1992 , 1, 41-51	11
732	A segment-based approach to protein secondary structure prediction. 1992 , 31, 983-93	45
731	Structure-function analysis of DNA polymerase-beta using monoclonal antibodies: identification of a putative nucleotide binding domain. 1992 , 31, 7989-97	6

730	Structural studies of the acidic transactivation domain of the Vmw65 protein of herpes simplex virus using 1H NMR. 1992 , 31, 4150-6	74
729	Conformational flexibility of the regulatory site of phosphoribulokinase as demonstrated with bifunctional reagents. 1992 , 31, 12833-8	9
728	Structural domains in venom proteins: evidence that metalloproteinases and nonenzymatic platelet aggregation inhibitors (disintegrins) from snake venoms are derived by proteolysis from a common precursor. 1992 , 30, 265-93	209
727	Free radicals, lipoproteins and cardiovascular dysfunction. 1992 , 13, 1-111	61
726	Cloning of the Drosophila prospero gene and its expression in ganglion mother cells. 1992 , 182, 1326-32	109
725	The transcriptional apparatus of chloroplasts. 1992 , 10, 525-558	118
724	Improvement of protein secondary structure prediction by combination of statistical algorithms and circular dichroism. 1992 , 294, 107-14	9
723	Immunological relatedness of the sarcoplasmic reticulum Ca(2+)-ATPase and the Na+,K(+)-ATPase. 1992 , 1103, 281-95	7
722	The cDNA RPE1 and monoclonal antibody HMB-50 define gene products preferentially expressed in retinal pigment epithelium. 1992 , 55, 657-62	20
721	Characterization of a muscle-associated antigen from Wuchereria bancrofti. 1992 , 75, 379-89	5
720	Conservation analysis and structure prediction of the SH2 family of phosphotyrosine binding domains. 1992 , 304, 15-20	79
719	Computational approach towards the three-dimensional structure of E. coli tyrosine aminotransferase. 1992 , 306, 234-8	10
718	Cloning and sequencing of glutamate mutase component S from Clostridium tetanomorphum. Homologies with other cobalamin-dependent enzymes. 1992 , 310, 167-70	102
717	Activity, disulphide mapping and structural modelling of the fifth domain of human beta 2-glycoprotein I. 1992 , 313, 193-7	76
716	Processing of the chloroplast transit peptide of pea carbonic anhydrase in chloroplasts and in Escherichia coli. Identification of two cleavage sites. 1992 , 314, 232-6	23
715	Hybrid system for protein secondary structure prediction. <i>Journal of Molecular Biology</i> , 1992 , 225, 1049-63	159
714	kfrA gene of broad host range plasmid RK2 encodes a novel DNA-binding protein. <i>Journal of Molecular Biology</i> , 1992 , 225, 651-60	6.5 37
713	Predicting protein secondary structure content. A tandem neural network approach. <i>Journal of Molecular Biology</i> , 1992 , 225, 713-27	6.5 90

712	Three-dimensional structure for the beta 2 adrenergic receptor protein based on computer modeling studies. <i>Journal of Molecular Biology</i> , 1992 , 225, 859-71	6.5	87
711	Cell killing by the F plasmid CcdB protein involves poisoning of DNA-topoisomerase II complexes. <i>Journal of Molecular Biology</i> , 1992 , 226, 735-45	6.5	373
710	Sequence of lamprey vitellogenin. Implications for the lipovitellin crystal structure. <i>Journal of Molecular Biology</i> , 1992 , 226, 903-7	6.5	59
709	Specificity of origin recognition by replication initiator protein in plasmids of the pT181 family is determined by a six amino acid residue element. <i>Journal of Molecular Biology</i> , 1992 , 223, 145-58	6.5	39
708	Characterization of bacteriophage T7 RNA polymerase by linker insertion mutagenesis. <i>Journal of Molecular Biology</i> , 1992 , 228, 488-505	6.5	39
707	Is the bacteriophage lambda lysozyme an evolutionary link or a hybrid between the C and V-type lysozymes? Homology analysis and detection of the catalytic amino acid residues. <i>Journal of Molecular Biology</i> , 1992 , 228, 529-38	6.5	20
706	Predicting protein secondary structure with a nearest-neighbor algorithm. <i>Journal of Molecular Biology</i> , 1992 , 227, 371-4	6.5	71
705	A maize protein associated with the G-box binding complex has homology to brain regulatory proteins. 1992 , 4, 1295-307		116
704	Site-directed mutagenesis at the Exo III motif of phi 29 DNA polymerase; overlapping structural domains for the 3'-5' exonuclease and strand-displacement activities.. 1992 , 11, 4227-4237		67
703	Sequence-specific interaction of the HMG box proteins TCF-1 and SRY occurs within the minor groove of a Watson-Crick double helix.. 1992 , 11, 3039-3044		149
702	Rhodobacter sphaeroides rdxA, a homolog of Rhizobium meliloti fixG, encodes a membrane protein which may bind cytoplasmic [4Fe-4S] clusters. 1992 , 174, 6444-54		42
701	Primary and secondary structure of the pore-forming peptide of pathogenic Entamoeba histolytica.. 1992 , 11, 3501-3506		93
700	Interaction of the p85 subunit of PI 3-kinase and its N-terminal SH2 domain with a PDGF receptor phosphorylation site: structural features and analysis of conformational changes.. 1992 , 11, 4261-4272		102
699	Predicted secondary and tertiary structures of carp gamma-crystallins with high methionine content: role of methionine residues in the protein stability. 1992 , 112, 341-5		9
698	Molecular cloning, sequencing, and overexpression of the structural gene encoding the delta subunit of Escherichia coli DNA polymerase III holoenzyme. 1992 , 174, 7013-25		21
697	Metabolic compartmentation of vertebrate glutamine synthetase: putative mitochondrial targeting signal in avian liver glutamine synthetase. 1992 , 9, 787-805		11
696	Homology among Escherichia coli K1 and K92 polysialyltransferases. 1992 , 174, 5127-31		19
695	Regulation of the pAD1-encoded sex pheromone response in Enterococcus faecalis: nucleotide sequence analysis of traA. 1992 , 174, 1821-7		36

694	Isolation and cloning of Omp alpha, a coiled-coil protein spanning the periplasmic space of the ancestral eubacterium <i>Thermotoga maritima</i> . 1992 , 11, 4369-4378	49
693	Cloning, nucleotide sequence and characterization of the gene encoding the <i>Erwinia chrysanthemi</i> B374 PrtA metalloprotease: a third metalloprotease secreted via a C-terminal secretion signal. 1992 , 236, 135-44	46
692	A defined amino acid exchange close to the putative nucleotide binding site is responsible for an oxygen-tolerant variant of the <i>Rhizobium meliloti</i> NifA protein. 1992 , 234, 433-41	21
691	Characterization of the F plasmid bifunctional conjugation gene, traG. 1992 , 232, 145-53	46
690	The REV2 gene of <i>Saccharomyces cerevisiae</i> : cloning and DNA sequence. 1992 , 22, 277-82	11
689	The UGA43 negative regulatory gene of <i>Saccharomyces cerevisiae</i> contains both a GATA-1 type zinc finger and a putative leucine zipper. 1992 , 21, 301-7	55
688	A probable lipid transfer protein gene is induced by NaCl in stems of tomato plants. 1992 , 18, 749-57	193
687	The sequence homologies of cytochromes P-450 and active-site geometries. 1992 , 6, 235-52	36
686	Three patterns of mitochondrial DNA nucleotide divergence in the meadow vole, <i>Microtus pennsylvanicus</i> . 1992 , 34, 163-74	2
685	Changing glycine 21 for glutamic acid in the beta-subunit of penicillin G acylase from <i>Kluyvera citrophila</i> prevents protein maturation. 1992 , 36, 659-62	13
684	Predictions of the secondary structure and antigenicity of human and bovine tropoelastins. 1992 , 21, 321-9	28
683	Structure-function relationships of α and β elicitors, signal proteins involved in the plant- <i>Phytophthora</i> interaction. 1992 , 186, 551-7	57
682	A familial mutation in the testis-determining gene SRY shared by both sexes. 1992 , 90, 350-5	76
681	An optimization approach to predicting protein structural class from amino acid composition. 1992 , 1, 401-8	138
680	Spectroscopic and chemical studies of the interaction between nerve growth factor (NGF) and the extracellular domain of the low affinity NGF receptor. 1992 , 1, 1023-31	30
679	Conformational stability of porcine serum transferrin. 1992 , 1, 1477-84	19
678	A detailed consideration of a principal domain of vertebrate fibrinogen and its relatives. 1992 , 1, 1563-77	88
677	A structural assessment of the apo[a] protein of human lipoprotein[a]. 1992 , 12, 188-99	60

676	Use of conditional probabilities for determining relationships between amino acid sequence and protein secondary structure. 1992 , 12, 382-99		14
675	Selection of a representative set of structures from Brookhaven Protein Data Bank. 1992 , 14, 265-76		47
674	Limits on alpha-helix prediction with neural network models. 1992 , 14, 372-81		23
673	The complete sequence of a 9,543 bp segment on the left arm of chromosome III reveals five open reading frames including glucokinase and the protein disulfide isomerase. 1992 , 8, 577-85		2
672	The yeast RNA1 protein, necessary for RNA processing, is homologous to the human ribonuclease/angiogenin inhibitor (RAI). 1992 , 233, 315-8		6
671	Sequence and structural relationships in the cytokine family. 1992 , 11, 321-31		14
670	A model for the catalytic site of F1-ATPase based on analogies to nucleotide-binding domains of known structure. <i>Journal of Bioenergetics and Biomembranes</i> , 1992 , 24, 453-61	3-7	31
669	Functional sites in F1-ATPases: location and interactions. <i>Journal of Bioenergetics and Biomembranes</i> , 1992 , 24, 469-77	3-7	40
668	Suppression of a myosin defect by a kinesin-related gene. 1992 , 356, 358-61		196
667	A plus-end-directed motor enzyme that moves antiparallel microtubules in vitro localizes to the interzone of mitotic spindles. 1992 , 359, 543-7		320
666	A new tropomyosin essential for cytokinesis in the fission yeast <i>S. pombe</i> . 1992 , 360, 84-7		215
665	Analysis of mutations in the copper B binding region associated with type I (tyrosinase-related) oculocutaneous albinism. 1992 , 5, 274-8		16
664	k-Casein Heterogeneity and Mild Heating Effects on Susceptibility to Chymosin Action. 1992 , 57, 49-54		11
663	Ferrioxamine uptake in <i>Yersinia enterocolitica</i> : characterization of the receptor protein FoxA. 1992 , 6, 1309-21		100
662	Molecular characterization of pcp, the structural gene encoding the pyrrolidone carboxylate peptidase from <i>Streptococcus pyogenes</i> . 1992 , 6, 2051-63		24
661	Four homologous domains in the primary structure of GrsB are related to domains in a superfamily of adenylate-forming enzymes. 1992 , 6, 529-46		227
660	Cloning, sequencing and distribution of the <i>Salmonella typhimurium</i> LT2 sialidase gene, nanH, provides evidence for interspecies gene transfer. 1992 , 6, 873-84		91
659	The gene encoding the cellulase (Avicelase) Cel1 from <i>Streptomyces reticuli</i> and analysis of protein domains. 1992 , 6, 3611-21		68

658	The divergent promoters mediating transcription of the par locus of plasmid RP4 are subject to autoregulation. 1992 , 6, 1969-79	37
657	Purification of the STB enterotoxin of <i>Escherichia coli</i> and the role of selected amino acids on its secretion, stability and toxicity. 1992 , 6, 2397-406	32
656	The effects of Ca ²⁺ and Ca ²⁺ -calmodulin on the decay of the intermediates I1, 2700 from native <i>Avena</i> phytochrome. 1992 , 14, 293-310	4
655	Structure prediction and modelling. 1992 , 3, 338-47	
654	Protein structure prediction from predicted residue properties utilizing a digital encoding algorithm. 1992 , 10, 112-9	8
653	Effect of zinc binding on the structure and stability of fibrolase, a fibrinolytic protein from snake venom. 1992 , 9, 870-7	23
652	The two major xylanases from <i>Trichoderma reesei</i> : characterization of both enzymes and genes. 1992 , 10, 1461-5	152
651	Identification and characterization of gamma-giardin and the gamma-giardin gene from <i>Giardia lamblia</i> . 1992 , 56, 27-37	43
650	Repeat structures in a <i>Plasmodium falciparum</i> protein (MESA) that binds human erythrocyte protein 4.1. 1992 , 50, 335-47	44
649	Molecular cloning and DNA sequence analysis of cDNA encoding chicken homologue of the Bcl-2 oncoprotein. 1992 , 1132, 109-13	28
648	Characterization and cloning of glycogen phosphorylase 1 from <i>Dictyostelium discoideum</i> . 1992 , 1129, 262-72	11
647	Effects of pH on conformational properties related to the toxicity of <i>Bacillus thuringiensis</i> delta-endotoxin. 1992 , 1159, 185-92	13
646	Mapping of the active site of T7 RNA polymerase with 8-azidoATP. 1992 , 1121, 252-60	12
645	Circular dichroic studies of protein kinase C and its interactions with calcium and lipid vesicles. 1992 , 1119, 19-26	15
644	Proteinase-catalyzed activation of porcine heart muscle pyruvate dehydrogenase and identification of its cleavage site. 1992 , 1118, 223-30	5
643	Amino acid sequence of a non-specific wheat phospholipid transfer protein and its conformation as revealed by infrared and Raman spectroscopy. Role of disulfide bridges and phospholipids in the stabilization of the alpha-helix structure. 1992 , 1121, 137-52	83
642	Structural analysis of an outer surface protein from the Lyme disease spirochete, <i>Borrelia burgdorferi</i> , using circular dichroism and fluorescence spectroscopy. 1992 , 1120, 59-68	19
641	Phylogenetic implications of the structure-function relationships of tubulin. 1992 , 20, 113-122	

640	The trypsin-sensitive RVER domain in the capsid proteins of minute virus of mice is required for efficient cell binding and viral infection but not for proteolytic processing in vivo. 1992 , 191, 846-57	29
639	Characterization of the hepatitis C virus E2/NS1 gene product expressed in mammalian cells. 1992 , 188, 819-30	109
638	Mechanism of interferon action: identification of a RNA binding domain within the N-terminal region of the human RNA-dependent P1/eIF-2 alpha protein kinase. 1992 , 188, 47-56	167
637	Further characterization of the ts453 mutant of mammalian orthoreovirus serotype 3 and nucleotide sequence of the mutated S4 gene. 1992 , 190, 494-8	19
636	Structural and functional studies on phi 29 DNA polymerase. 1992 , 102, S32-8	11
635	Identification of a protein encoded in the EB-viral open reading frame BMRF2. 1992 , 127, 379-86	10
634	Computer prediction of antigenic and topogenic domains in HSV-1 and HSV-2 glycoprotein B (gB). 1992 , 6, 131-41	8
633	Computer predictions of functional, topogenic, and antigenic domains in human immunodeficiency virus-2 envelope glycoprotein. 1992 , 6, 79-93	4
632	Rapid detection of a protein C gene mutation present in the asymptomatic and not in the thrombosis-prone lineage. 1992 , 81, 277-82	4
631	Characterization of a cDNA clone encoding a glycine-rich cuticular protein of <i>Tenebrio molitor</i> : developmental expression and effect of a juvenile hormone analogue. 1992 , 1, 53-62	31
630	Structural features and sites of expression of a new murine 65 kD and 48 kD hair-related keratin pair, associated with a special type of parakeratotic epithelial differentiation. 1992 , 50, 163-78	26
629	Engineering mammalian aspartyl-tRNA synthetase to probe structural features mediating its association with the multisynthetase complex. 1992 , 203, 459-66	37
628	Primary structure and import pathway of the rotenone-insensitive NADH-ubiquinone oxidoreductase of mitochondria from <i>Saccharomyces cerevisiae</i> . 1992 , 203, 587-92	87
627	cis-diol dehydrogenases encoded by the TOL pWW0 plasmid xylL gene and the <i>Acinetobacter calcoaceticus</i> chromosomal benD gene are members of the short-chain alcohol dehydrogenase superfamily. 1992 , 204, 113-20	70
626	The complete amino acid sequence of the <i>Clostridium botulinum</i> type-E neurotoxin, derived by nucleotide-sequence analysis of the encoding gene. 1992 , 204, 657-67	77
625	The C-terminal region of subunit 4 (subunit b) is essential for assembly of the F0 portion of yeast mitochondrial ATP synthase. 1992 , 205, 163-72	25
624	Structure of the genes encoding the rod-core linker polypeptides of <i>Mastigocladus laminosus</i> phycobilisomes and functional aspects of the phycobiliprotein/linker-polypeptide interactions. 1992 , 205, 927-37	29
623	Multiple isoforms of a protein kinase C inhibitor (KCIP-1/14-3-3) from sheep brain. Amino acid sequence of phosphorylated forms. 1992 , 206, 453-61	115

622	cDNA cloning and deduced amino acid sequence of a major, glycine-rich cuticular protein from the coleopteran <i>Tenebrio molitor</i> . Temporal and spatial distribution of the transcript during metamorphosis. 1992 , 206, 813-9		56
621	The polyanion-binding domain of cytoplasmic Lys-tRNA synthetase from <i>Saccharomyces cerevisiae</i> is not essential for cell viability. 1992 , 207, 1-11		12
620	A correlation-coefficient method to predicting protein-structural classes from amino acid compositions. 1992 , 207, 429-3		52
619	A molecular thermodynamic approach to predict the secondary structure of homopolypeptides in aqueous systems. 1992 , 32, 1375-92		17
618	Microtubule assembly protects the region 28-38 of the beta-tubulin subunit. 1992 , 22, 25-37		8
617	Isolation and partial characterization of murine O6-alkylguanine-DNA-alkyltransferase: comparative sequence and structural properties. 1992 , 5, 161-9		17
616	Adenosine A1 and A2 receptors: structure--function relationships. 1992 , 12, 423-71		131
615	Molecular Cloning Sequence and Distribution of Rat Caldesmon, a High Affinity Calmodulin-binding Protein. <i>Journal of Biological Chemistry</i> , 1989 , 264, 2081-2087	5-4	37
614	Primary Structure of the Drosophila Laminin B2 Chain and Comparison with Human, Mouse, and Drosophila Laminin B1 and B2 Chains. <i>Journal of Biological Chemistry</i> , 1989 , 264, 1543-1550	5-4	51
613	Amino Acid Sequence of Crayfish Troponin I. <i>Journal of Biological Chemistry</i> , 1989 , 264, 1551-1557	5-4	25
612	Sequence Determination and cDNA Cloning of Eukaryotic Initiation Factor 4D, the Hypusine-containing Protein. <i>Journal of Biological Chemistry</i> , 1989 , 264, 1578-1583	5-4	73
611	Primary structure of bovine matrix Gla protein, a new vitamin K-dependent bone protein.. <i>Journal of Biological Chemistry</i> , 1985 , 260, 14971-14975	5-4	191
610	Molecular cloning of gp49, a cell-surface antigen that is preferentially expressed by mouse mast cell progenitors and is a new member of the immunoglobulin superfamily. <i>Journal of Biological Chemistry</i> , 1991 , 266, 15966-15973	5-4	65
609	Differentiation of lipid-associating helices by use of three-dimensional molecular hydrophobicity potential calculations. <i>Journal of Biological Chemistry</i> , 1991 , 266, 16120-16127	5-4	137
608	Structure of the tetragonal surface virulence array protein and gene of <i>Aeromonas salmonicida</i> . <i>Journal of Biological Chemistry</i> , 1991 , 266, 15258-15265	5-4	92
607	Molecular cloning and sequence analysis of smooth muscle calponin. <i>Journal of Biological Chemistry</i> , 1991 , 266, 13284-13288	5-4	146
606	Comparison of molecularly cloned bullous pemphigoid antigen to desmoplakin I confirms that they define a new family of cell adhesion junction plaque proteins. <i>Journal of Biological Chemistry</i> , 1991 , 266, 12555-12559	5-4	110
605	Identification and characterization of rat intestinal keratins. Molecular cloning of cDNAs encoding cytokeratins 8, 19, and a new 49-kDa type I cytokeratin (cytokeratin 21) expressed by differentiated intestinal epithelial cells. <i>Journal of Biological Chemistry</i> , 1991 , 266, 11932-11938	5-4	25

604	Number and placement of hydrophobic residues in a longitudinal strip governs helix formation of peptides in the presence of lipid vesicles. <i>Journal of Biological Chemistry</i> , 1991 , 266, 10054-10057	5-4	13
603	Apolipoprotein E-4Philadelphia (Glu13Lys,Arg145Cys). Homozygosity for two rare point mutations in the apolipoprotein E gene combined with severe type III hyperlipoproteinemia. <i>Journal of Biological Chemistry</i> , 1991 , 266, 10479-10484	5-4	39
602	Phosphorylation-dependent down-modulation of CD4 requires a specific structure within the cytoplasmic domain of CD4. <i>Journal of Biological Chemistry</i> , 1991 , 266, 10658-10665	5-4	88
601	Biochemical analysis of the membrane topology of the amiloride-sensitive Na ⁺ channel.. <i>Journal of Biological Chemistry</i> , 1994 , 269, 12981-12986	5-4	172
600	Conserved Domains in Molybdenum Hydroxylases. <i>Journal of Biological Chemistry</i> , 1989 , 264, 20894-20904	5-4	51
599	Limited proteolysis of recombinant human soluble interleukin-2 receptor. <i>Journal of Biological Chemistry</i> , 1989 , 264, 21097-21105	5-4	11
598	The organization of the purL gene encoding 5'-phosphoribosylformylglycinamide amidotransferase of Escherichia coli. <i>Journal of Biological Chemistry</i> , 1989 , 264, 21230-21238	5-4	16
597	Identification of a follicle-stimulating hormone receptor-binding region in hFSH-beta-(81-95) using synthetic peptides.. <i>Journal of Biological Chemistry</i> , 1990 , 265, 5037-5042	5-4	50
596	Molecular cloning, expression, and characterization of the cDNA for the rat hepatic squalene synthase.. <i>Journal of Biological Chemistry</i> , 1992 , 267, 21368-21374	5-4	63
595	The human MUC2 intestinal mucin has cysteine-rich subdomains located both upstream and downstream of its central repetitive region.. <i>Journal of Biological Chemistry</i> , 1992 , 267, 21375-21383	5-4	163
594	An essential and specific subunit of RNA polymerase III (C) is encoded by gene RPC34 in Saccharomyces cerevisiae.. <i>Journal of Biological Chemistry</i> , 1992 , 267, 21390-21395	5-4	25
593	Amino acid sequence of Sp23, a structural protein of the spermatophore of the mealworm beetle, Tenebrio molitor.. <i>Journal of Biological Chemistry</i> , 1992 , 267, 18852-18857	5-4	10
592	Determination of the 1-ethyl-3-[(3-dimethylamino)propyl]-carbodiimide- induced cross-link between the beta and epsilon subunits of Escherichia coli F1-ATPase.. <i>Journal of Biological Chemistry</i> , 1992 , 267, 18953-18960	5-4	74
591	Internal quadruplication in the structure of human interstitial retinol-binding protein deduced from its cloned cDNA.. <i>Journal of Biological Chemistry</i> , 1988 , 263, 15330-15334	5-4	23
590	The complete sequence of the human intermediate filament chain keratin 10. Subdomainal divisions and model for folding of end domain sequences.. <i>Journal of Biological Chemistry</i> , 1988 , 263, 15584-15589	5-4	63
589	Identification of the mouse muscle 43,000-dalton acetylcholine receptor-associated protein (RAPsyn) by cDNA cloning.. <i>Journal of Biological Chemistry</i> , 1988 , 263, 15602-15607	5-4	74
588	The covalent structure of Acanthamoeba actobindin.. <i>Journal of Biological Chemistry</i> , 1990 , 265, 12801-12805	5-4	27
587	Human plasma apolipoproteins A-IV-0 and A-IV-3. Molecular basis for two rare variants of apolipoprotein A-IV-1.. <i>Journal of Biological Chemistry</i> , 1990 , 265, 12734-12739	5-4	30

586	Structure-function relationship in spinach ferredoxin-NADP+ reductase as studied by limited proteolysis.. <i>Journal of Biological Chemistry</i> , 1990 , 265, 11955-11959	5-4	22
585	The cyclophilin component of the unactivated estrogen receptor contains a tetratricopeptide repeat domain and shares identity with p59 (FKBP59). <i>Journal of Biological Chemistry</i> , 1993 , 268, 13187-13192	5-4	134
584	An 18-kDa glycoprotein from bovine nasal cartilage. Isolation and primary structure of small, cartilage-derived glycoprotein.. <i>Journal of Biological Chemistry</i> , 1990 , 265, 9628-9633	5-4	23
583	ATP10, a yeast nuclear gene required for the assembly of the mitochondrial F1-F0 complex.. <i>Journal of Biological Chemistry</i> , 1990 , 265, 9952-9959	5-4	84
582	Identification of a short sequence essential for actin binding by Dictyostelium ABP-120.. <i>Journal of Biological Chemistry</i> , 1990 , 265, 9236-9240	5-4	65
581	Site-directed mutagenesis suggests close functional relationship between a human rhinovirus 3C cysteine protease and cellular trypsin-like serine proteases.. <i>Journal of Biological Chemistry</i> , 1990 , 265, 7180-7187	5-4	46
580	Localization of the diphtheria toxin receptor-binding domain to the carboxyl-terminal Mr approximately 6000 region of the toxin.. <i>Journal of Biological Chemistry</i> , 1990 , 265, 7331-7337	5-4	43
579	Synthetic fragments of calmodulin calcium-binding site III. A test of the acid pair hypothesis.. <i>Journal of Biological Chemistry</i> , 1990 , 265, 5971-5976	5-4	24
578	The <i>Saccharomyces cerevisiae</i> INO4 gene encodes a small, highly basic protein required for derepression of phospholipid biosynthetic enzymes.. <i>Journal of Biological Chemistry</i> , 1990 , 265, 4736-4745	5-4	65
577	Sequence analysis of bovine lens aldose reductase.. <i>Journal of Biological Chemistry</i> , 1990 , 265, 3628-3635	5-4	48
576	A single-stranded nucleic acid binding sequence common to the heterogeneous nuclear ribonucleoprotein A1 and murine recombinant virus gp70.. <i>Journal of Biological Chemistry</i> , 1990 , 265, 3674-3678	5-4	5
575	Functional and physical molecular size of the chicken hepatic lectin determined by radiation inactivation and sedimentation equilibrium analysis.. <i>Journal of Biological Chemistry</i> , 1990 , 265, 3744-3749	5-4	8
574	The N-terminal domain of the insertion sequence 30 transposase interacts specifically with the terminal inverted repeats of the element.. <i>Journal of Biological Chemistry</i> , 1990 , 265, 3757-3762	5-4	36
573	The primary structure and analysis of the squid kinesin heavy chain.. <i>Journal of Biological Chemistry</i> , 1990 , 265, 3278-3283	5-4	53
572	The human embryonic myosin heavy chain. Complete primary structure reveals evolutionary relationships with other developmental isoforms.. <i>Journal of Biological Chemistry</i> , 1990 , 265, 3568-3576	5-4	33
571	Structure of the human desmoplakins. Implications for function in the desmosomal plaque.. <i>Journal of Biological Chemistry</i> , 1990 , 265, 2603-2612	5-4	172
570	Studies of the domain structure of mammalian DNA polymerase beta. Identification of a discrete template binding domain.. <i>Journal of Biological Chemistry</i> , 1990 , 265, 2124-2131	5-4	125
569	Isolation and sequencing of NOP1. A yeast gene encoding a nucleolar protein homologous to a human autoimmune antigen.. <i>Journal of Biological Chemistry</i> , 1990 , 265, 2209-2215	5-4	74

568	Molecular cloning of cDNA encoding human and rabbit forms of the Ca ²⁺ release channel (ryanodine receptor) of skeletal muscle sarcoplasmic reticulum.. <i>Journal of Biological Chemistry</i> , 1990 , 265, 2244-2256	5-4	452
567	Human bone sialoprotein. Deduced protein sequence and chromosomal localization.. <i>Journal of Biological Chemistry</i> , 1990 , 265, 2347-2351	5-4	194
566	Domain characterization of rabbit skeletal muscle myosin light chain kinase.. <i>Journal of Biological Chemistry</i> , 1990 , 265, 1724-1730	5-4	39
565	The deduced protein sequence of the human carboxypeptidase N high molecular weight subunit reveals the presence of leucine-rich tandem repeats.. <i>Journal of Biological Chemistry</i> , 1990 , 265, 13-19	5-4	54
564	The Mitochondrial Targeting function of Randomly Generated Peptide Sequences Correlates with Predicted Helical Amphiphilicity. <i>Journal of Biological Chemistry</i> , 1989 , 264, 20206-20215	5-4	127
563	Location of Seven Post-translational Modifications in Rabbit Elongation Factor 1 including Dimethyllysine, Trimethyllysine, and Glycerylphosphorylethanolamine. <i>Journal of Biological Chemistry</i> , 1989 , 264, 20518-20525	5-4	94
562	Protein L: An Immunoglobulin Light Chain-binding Bacterial Protein. <i>Journal of Biological Chemistry</i> , 1989 , 264, 19740-19746	5-4	116
561	Characterization of bacteriophage P22 tailspike mutant proteins with altered endorhamnosidase and capsid assembly activities. <i>Journal of Biological Chemistry</i> , 1989 , 264, 20112-20119	5-4	21
560	Cuttlefish spermatid-specific protein T. Molecular characterization of two variants T1 and T2, putative precursors of sperm protamine variants Sp1 and Sp2.. <i>Journal of Biological Chemistry</i> , 1991 , 266, 17388-17395	5-4	20
559	Molecular cloning and characterization of (R)-3-hydroxybutyrate dehydrogenase from human heart.. <i>Journal of Biological Chemistry</i> , 1992 , 267, 15459-15463	5-4	26
558	Characterization of the charged components and their topology on the surface of plant seed oil bodies.. <i>Journal of Biological Chemistry</i> , 1992 , 267, 15626-15634	5-4	158
557	Biophysical characterization of involucrin reveals a molecule ideally suited to function as an intermolecular cross-bridge of the keratinocyte cornified envelope.. <i>Journal of Biological Chemistry</i> , 1992 , 267, 12233-12238	5-4	45
556	A new alpha-helical coiled coil protein encoded by the Salmonella typhimurium virulence plasmid.. <i>Journal of Biological Chemistry</i> , 1992 , 267, 12258-12265	5-4	28
555	The sequence of the flavoprotein subunit of bovine heart succinate dehydrogenase.. <i>Journal of Biological Chemistry</i> , 1992 , 267, 11553-11558	5-4	32
554	Replacement of a conserved arginine in the assembly domain of ribulose-1,5-bisphosphate carboxylase/oxygenase small subunit interferes with holoenzyme formation.. <i>Journal of Biological Chemistry</i> , 1992 , 267, 10576-10582	5-4	20
553	Cloning and sequence analysis of cDNA for a neuronal cell membrane antigen, HPC-1.. <i>Journal of Biological Chemistry</i> , 1992 , 267, 10613-10619	5-4	213
552	Intracellular folding pathway of human chorionic gonadotropin beta subunit.. <i>Journal of Biological Chemistry</i> , 1992 , 267, 8870-8879	5-4	49
551	Molecular cloning of putative members of the Na/H exchanger gene family. cDNA cloning, deduced amino acid sequence, and mRNA tissue expression of the rat Na/H exchanger NHE-1 and two structurally related proteins.. <i>Journal of Biological Chemistry</i> , 1992 , 267, 9331-9339	5-4	447

550	Extracellular autoprocessing of a metalloprotease from <i>Streptomyces cacaoi</i> .. <i>Journal of Biological Chemistry</i> , 1992 , 267, 3952-3958	5-4	17
549	Molecular cloning and characterization of the structural gene coding for the developmentally regulated lysosomal enzyme, alpha-mannosidase, in <i>Dictyostelium discoideum</i> .. <i>Journal of Biological Chemistry</i> , 1992 , 267, 4000-4007	5-4	30
548	A motif in human histidyl-tRNA synthetase which is shared among several aminoacyl-tRNA synthetases is a coiled-coil that is essential for enzymatic activity and contains the major autoantigenic epitope.. <i>Journal of Biological Chemistry</i> , 1994 , 269, 24277-24283	5-4	62
547	Multiple domains of G protein beta confer subunit specificity in beta gamma interaction.. <i>Journal of Biological Chemistry</i> , 1994 , 269, 24418-24423	5-4	33
546	Amino acid sequence of the calcium-binding light chain of myosin from the lower eukaryote, <i>Physarum polycephalum</i> .. <i>Journal of Biological Chemistry</i> , 1988 , 263, 305-313	5-4	21
545	Yeast LEU4 encodes mitochondrial and nonmitochondrial forms of alpha-isopropylmalate synthase.. <i>Journal of Biological Chemistry</i> , 1988 , 263, 368-374	5-4	61
544	The structure of human complement component C7 and the C5b-7 complex.. <i>Journal of Biological Chemistry</i> , 1988 , 263, 549-560	5-4	133
543	Acute transcriptional response of the honeybee peptide-antibiotics gene repertoire and required post-translational conversion of the precursor structures.. <i>Journal of Biological Chemistry</i> , 1994 , 269, 28569-28575	5-4	97
542	The chymotrypsin-sensitive site, FFD315, in anthrax toxin protective antigen is required for translocation of lethal factor.. <i>Journal of Biological Chemistry</i> , 1994 , 269, 29039-29046	5-4	74
541	Isolation and sequence determination of cDNA encoding T-protein of the glycine cleavage system.. <i>Journal of Biological Chemistry</i> , 1991 , 266, 4917-4921	5-4	19
540	Cytochrome oxidase genes from <i>Thermus thermophilus</i> . Nucleotide sequence and analysis of the deduced primary structure of subunit IIc of cytochrome caa3.. <i>Journal of Biological Chemistry</i> , 1991 , 266, 5025-5035	5-4	38
539	Single proline substitutions in predicted alpha-helices of murine granulocyte-macrophage colony-stimulating factor result in a loss in bioactivity and altered glycosylation.. <i>Journal of Biological Chemistry</i> , 1991 , 266, 5333-5341	5-4	24
538	Molecular cloning of a novel human cdc2/CDC28-like protein kinase. <i>Journal of Biological Chemistry</i> , 1991 , 266, 3402-3407	5-4	55
537	The epitopes of apolipoprotein A-I define distinct structural domains including a mobile middle region. <i>Journal of Biological Chemistry</i> , 1991 , 266, 3644-3653	5-4	90
536	The structure of the lentil (<i>Lens culinaris</i>) lectin. Amino acid sequence determination and prediction of the secondary structure.. <i>Journal of Biological Chemistry</i> , 1981 , 256, 5550-5560	5-4	105
535	Topography of sialoglycoproteins and sialyltransferases in mouse and rat liver Golgi.. <i>Journal of Biological Chemistry</i> , 1981 , 256, 989-993	5-4	65
534	Sorbitol dehydrogenase from <i>Bacillus subtilis</i> . Purification, characterization, and gene cloning.. <i>Journal of Biological Chemistry</i> , 1992 , 267, 24989-24994	5-4	45
533	Human lipoprotein lipase: the loop covering the catalytic site is essential for interaction with lipid substrates.. <i>Journal of Biological Chemistry</i> , 1992 , 267, 25086-25091	5-4	85

532	Sequence and transcriptional analysis of the Escherichia coli rnt gene encoding RNase T.. <i>Journal of Biological Chemistry</i> , 1992 , 267, 25609-25613	5-4	21
531	Cloning of Chinese hamster DNA topoisomerase I cDNA and identification of a single point mutation responsible for camptothecin resistance.. <i>Journal of Biological Chemistry</i> , 1993 , 268, 25463-25468	5-4	54
530	Structural and functional characterization of the HPV16 E7 protein expressed in bacteria.. <i>Journal of Biological Chemistry</i> , 1993 , 268, 26018-26025	5-4	31
529	Cloning of a membrane-associated protein which modifies activity and properties of the Na(+)-D-glucose cotransporter.. <i>Journal of Biological Chemistry</i> , 1993 , 268, 25041-25053	5-4	60
528	Heavy riboflavin synthase of Bacillus subtilis. Primary structure of the beta subunit.. <i>Journal of Biological Chemistry</i> , 1987 , 262, 1016-1021	5-4	18
527	The genes of the Paracoccus denitrificans bc1 complex. Nucleotide sequence and homologies between bacterial and mitochondrial subunits.. <i>Journal of Biological Chemistry</i> , 1987 , 262, 13805-13811	5-4	105
526	Genomic structure and amino acid sequence domains of the human La autoantigen.. <i>Journal of Biological Chemistry</i> , 1988 , 263, 18043-18051	5-4	135
525	The yeast lysyl-tRNA synthetase gene. Evidence for general amino acid control of its expression and domain structure of the encoded protein.. <i>Journal of Biological Chemistry</i> , 1988 , 263, 18443-18451	5-4	53
524	Nucleotide sequence of cDNA clones encoding the complete precursor for the 10-kDa polypeptide of photosystem II from spinach.. <i>Journal of Biological Chemistry</i> , 1988 , 263, 10077-10081	5-4	48
523	Analysis of structure-function relationship of pig calpastatin by expression of mutated cDNAs in Escherichia coli.. <i>Journal of Biological Chemistry</i> , 1988 , 263, 10254-10261	5-4	53
522	Epitopes on the major capsid protein of simian virus 40. <i>Journal of Biological Chemistry</i> , 1989 , 264, 2665-2671	5-4	12
521	Partial cDNA sequence encoding a globular domain at the C terminus of the rat cartilage proteoglycan.. <i>Journal of Biological Chemistry</i> , 1986 , 261, 8108-8111	5-4	72
520	Amino acid sequences of the two major isoforms of troponin C from crayfish. <i>Journal of Biological Chemistry</i> , 1989 , 264, 18247-18259	5-4	43
519	cDNA sequence, predicted primary structure, and evolving amphiphilic helix of human aspartyl-tRNA synthetase. <i>Journal of Biological Chemistry</i> , 1989 , 264, 16608-16612	5-4	52
518	Studies of the Regulatory Mechanism of Ca ²⁺ /Calmodulin-dependent protein kinase II. <i>Journal of Biological Chemistry</i> , 1989 , 264, 16759-16763	5-4	149
517	Multiple tachykinins are produced and secreted upon post-translational processing of the three substance P precursor proteins, $\text{[Phe}^6\text{]}_{1-27}$, and $\text{[Phe}^6\text{]}_{1-27}$ preprotachykinin. <i>Journal of Biological Chemistry</i> , 1989 , 264, 15578-15592	5-4	84
516	Mutational Analysis of the Mitochondrial Rieske Iron-Sulfur Protein of Saccharomyces cerevisiae. <i>Journal of Biological Chemistry</i> , 1989 , 264, 3713-3722	5-4	47
515	Characterization of the Calmodulin-binding and of the Catalytic Domains of Bordetella pertussis Adenylate Cyclase. <i>Journal of Biological Chemistry</i> , 1989 , 264, 4015-4020	5-4	72

514	Conformational Flexibility and Folding of Synthetic Peptides Representing an Interdomain Segment of Polypeptide Chain in the Pyruvate Dehydrogenase Multienzyme Complex of <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 1989 , 264, 767-775	5-4	60
513	Rat hepatic cytosolic phosphoenolpyruvate carboxykinase (GTP). Structures of the protein, messenger RNA, and gene.. <i>Journal of Biological Chemistry</i> , 1985 , 260, 10748-10760	5-4	158
512	Mutational analysis of the consensus nucleotide binding sequences in the rat liver mitochondrial ATP synthase beta-subunit.. <i>Journal of Biological Chemistry</i> , 1992 , 267, 20331-20338	5-4	14
511	5-Hydroxytryptamine1A receptor synthetic peptides. Mechanisms of adenylyl cyclase inhibition. <i>Journal of Biological Chemistry</i> , 1994 , 269, 16720-16725	5-4	52
510	Studies of ligand binding to arrestin. <i>Journal of Biological Chemistry</i> , 1991 , 266, 4201-4206	5-4	25
509	The nucleotide sequence of the structural gene for <i>Escherichia coli</i> tryptophanyl-tRNA synthetase.. <i>Journal of Biological Chemistry</i> , 1982 , 257, 6132-6136	5-4	45
508	Prediction of secondary structure for Eco RI endonuclease.. <i>Journal of Biological Chemistry</i> , 1984 , 259, 11666-11667	5-4	14
507	Phi 29 DNA polymerase active site. Residue ASP249 of conserved amino acid motif DxxSLYP is critical for synthetic activities.. <i>Journal of Biological Chemistry</i> , 1993 , 268, 24106-24113	5-4	32
506	Functional analysis of conserved residues in the active site of insulin-degrading enzyme.. <i>Journal of Biological Chemistry</i> , 1993 , 268, 21538-21544	5-4	57
505	Skelemin, a cytoskeletal M-disc periphery protein, contains motifs of adhesion/recognition and intermediate filament proteins.. <i>Journal of Biological Chemistry</i> , 1993 , 268, 21800-21810	5-4	44
504	Molecular cloning of the high affinity calcium-binding protein (calreticulin) of skeletal muscle sarcoplasmic reticulum. <i>Journal of Biological Chemistry</i> , 1989 , 264, 21522-21528	5-4	298
503	Construction and expression of alpha 1-proteinase inhibitor mutants and the effects of these mutations on secretion of the variant inhibitors.. <i>Journal of Biological Chemistry</i> , 1991 , 266, 7578-7582	5-4	12
502	Isolation and characterization of a full-length cDNA encoding the 55-kDa rabbit zona pellucida protein.. <i>Journal of Biological Chemistry</i> , 1991 , 266, 7214-7219	5-4	45
501	Apolipoprotein A-I: structurefunction relationships. 2000 , 41, 853-872		213
500	Mutational analysis of apolipoprotein B mRNA editing enzyme (APOBEC1): structurefunction relationships of RNA editing and dimerization. 1999 , 40, 623-635		38
499	Molecular defects underlying Wolman disease appear to be more heterogeneous than those resulting in cholesteryl ester storage disease. 1999 , 40, 221-228		28
498	Learning about the structure and biology of human lipoprotein [a] through dissection by enzymes of the elastase family: facts and speculations. 1997 , 38, 2193-2206		29
497	Structure-function relationships of lipoprotein lipase: mutation analysis and mutagenesis of the loop region. 1993 , 34, 1593-1602		18

496	Human lysosomal acid lipase/cholesteryl ester hydrolase and human gastric lipase: site-directed mutagenesis of Cys227 and Cys236 results in substrate-dependent reduction of enzymatic activity. 1997 , 38, 1896-1905	18
495	Amino terminal region of acute phase, but not constitutive, serum amyloid A (apoSAA) specifically binds and transports cholesterol into aortic smooth muscle and HepG2 cells. 1996 , 37, 2109-2116	53
494	Cloning and mRNA tissue distribution of rabbit cholesteryl ester transfer protein.. 1988 , 29, 1643-1649	63
493	Human apolipoprotein B: analysis of internal repeats and homology with other apolipoproteins.. 1987 , 28, 1455-1465	51
492	On computer-assisted analysis of biological sequences: proline punctuation, consensus sequences, and apolipoprotein repeats.. 1990 , 27, 1011-1034	76
491	Functional and metabolic differences between elastase-generated fragments of human lipoprotein[a] and apolipoprotein[a]. 1996 , 37, 1786-1801	43
490	A novel missense mutation in the C-terminal domain of lipoprotein lipase (Glu410→Val) leads to enzyme inactivation and familial chylomicronemia.. 1994 , 35, 1552-1560	34
489	Two different allelic mutations in the lecithin:cholesterol acyltransferase (LCAT) gene resulting in classic LCAT deficiency: LCAT (tyr83→stop) and LCAT (tyr156→asn).. 1993 , 34, 49-58	43
488	In vivo metabolism of a mutant apolipoprotein, apoA-IIowa, associated with hypoalphalipoproteinemia and hereditary systemic amyloidosis.. 1992 , 33, 755-763	80
487	Saposin-like proteins (SAPLIP) carry out diverse functions on a common backbone structure.. 1995 , 36, 1653-1663	150
486	A cross-species comparison of the apolipoprotein B domain that binds to the LDL receptor.. 1990 , 31, 1109-1120	48
485	Two kinesin-related proteins associated with the cold-stable cytoskeleton of carrot cells: characterization of a novel kinesin, DcKRP120-2. 2000 , 24, 859-68	55
484	Directed Mutagenesis of Deoxyguanosine Site at Arginine 79 Up-regulates Turnover on Deoxyadenosine Kinase Subunit of Heterodimeric Enzyme from <i>Lactobacillus acidophilus</i> R26. <i>Journal of Biological Chemistry</i> , 1995 , 270, 6602-6606	5.4 6
483	Biochemical and Molecular Genetic Characteristics of the Severe Form of Tyrosine Hydroxylase Deficiency. 1999 , 45, 2073-2078	40
482	Mutations in elongation factor EF-1 alpha affect the frequency of frameshifting and amino acid misincorporation in <i>Saccharomyces cerevisiae</i> . 1988 , 120, 923-34	115
481	Comparison of thermosensitive alleles of the CDC25 gene involved in the cAMP metabolism of <i>Saccharomyces cerevisiae</i> . 1990 , 124, 797-806	57
480	Genetic and molecular analysis of cdr1/nim1 in <i>Schizosaccharomyces pombe</i> . 1991 , 127, 309-18	87
479	A cluster of vitellogenin genes in the Mediterranean fruit fly <i>Ceratitis capitata</i> : sequence and structural conservation in dipteran yolk proteins and their genes. 1991 , 127, 769-80	59

478	Polymorphism and divergence in the Mst26A male accessory gland gene region in <i>Drosophila</i> . 1992 , 132, 755-70	133
477	Unusual variability of the <i>Drosophila melanogaster</i> ref(2)P protein which controls the multiplication of sigma rhabdovirus. 1993 , 133, 943-54	35
476	The cloning by complementation of the pawn-A gene in <i>Paramecium</i> . 1998 , 149, 947-57	31
475	Molecular characterization of tol, a mediator of mating-type-associated vegetative incompatibility in <i>Neurospora crassa</i> . 1999 , 151, 545-55	50
474	Evolution of the innate and adaptive immune systems: relationships between potential immune molecules in the lowest metazoan phylum (Porifera) and those in vertebrates. 1999 , 68, 1215-27	96
473	Three functionally diverged major structural proteins of white spot syndrome virus evolved by gene duplication. 2000 , 81, 2525-2529	69
472	Involvement of the gonococcal MtrE protein in the resistance of <i>Neisseria gonorrhoeae</i> to toxic hydrophobic agents. 1997 , 143 (Pt 7), 2127-2133	67
471	<i>Streptococcus pyogenes</i> sclB encodes a putative hypervariable surface protein with a collagen-like repetitive structure. 2001 , 147, 419-429	69
470	Domain organization of the N-terminal portion of hordeivirus movement protein TGBp1. 2009 , 90, 3022-3032	30
469	Mechanism of corepressor binding and release from nuclear hormone receptors. 1999 , 13, 3209-16	323
468	.	2
467	Primary structures of <i>Escherichia coli</i> pyruvate formate-lyase and pyruvate-formate-lyase-activating enzyme deduced from the DNA nucleotide sequences. 1988 , 177, 153-8	71
466	Purification and characterization of the periplasmic nickel-binding protein NikA of <i>Escherichia coli</i> K12. 1995 , 227, 857-65	66
465	Primary Structure of the Neuronal Clathrin-Associated Protein Auxilin and its Expression in Bacteria. 1995 , 228, 297-304	19
464	PMAP-37, a novel antibacterial peptide from pig myeloid cells. cDNA cloning, chemical synthesis and activity. 1995 , 228, 941-6	70
463	Structural studies on the zinc-endopeptidase light chain of tetanus neurotoxin. 1995 , 229, 61-9	20
462	The basic subdomain of the c-Jun oncoprotein. A joint CD, Fourier-transform infrared and NMR study. 1995 , 231, 370-80	10
461	celB, a gene coding for a bifunctional cellulase from the extreme thermophile " <i>Caldocellum saccharolyticum</i> ". 1990 , 56, 3117-24	84

460	Cloning, characterization, and multiple chromosomal integration of a <i>Bacillus</i> alkaline protease gene. 1991 , 57, 901-9	47
459	Molecular analysis of the lactacin F operon. 1993 , 59, 3906-15	71
458	Controlled expression and structural organization of a <i>Lactococcus lactis</i> bacteriophage lysin encoded by two overlapping genes. 1994 , 60, 3063-73	42
457	Isolation and expression in <i>Escherichia coli</i> of hepB and hepC, genes coding for the glycosaminoglycan-degrading enzymes heparinase II and heparinase III, respectively, from <i>Flavobacterium heparinum</i> . 1996 , 62, 2723-34	71
456	Characterization of the variable-number tandem repeats in <i>vrrA</i> from different <i>Bacillus anthracis</i> isolates. 1997 , 63, 1400-5	93
455	Identification and characterization of ComE and ComF, two novel pilin-like competence factors involved in natural transformation of <i>Acinetobacter</i> sp. strain BD413. 1999 , 65, 4568-74	25
454	Identification and characterization of a lysis module present in a large proportion of bacteriophages infecting <i>Streptococcus thermophilus</i> . 1999 , 65, 569-77	41
453	The carboxy-terminal portion of the aflatoxin pathway regulatory protein AFLR of <i>Aspergillus parasiticus</i> activates <i>GAL1::lacZ</i> gene expression in <i>Saccharomyces cerevisiae</i> . 1999 , 65, 2508-12	34
452	Antigenic structure of the nucleocapsid protein of porcine reproductive and respiratory syndrome virus. 1998 , 5, 773-9	66
451	DNA sequence and product analysis of the <i>virF</i> locus responsible for congo red binding and cell invasion in <i>Shigella flexneri</i> 2a. 1986 , 54, 395-402	74
450	Isolation and nucleotide sequence of the F17-A gene encoding the structural protein of the F17 fimbriae in bovine enterotoxigenic <i>Escherichia coli</i> . 1988 , 56, 1475-84	56
449	DNA sequence and expression of the 36-kilodalton outer membrane protein gene of <i>Brucella abortus</i> . 1989 , 57, 3281-91	70
448	Primary structure of an oligomeric antigen of <i>Treponema pallidum</i> . 1989 , 57, 633-5	13
447	Rectification of two <i>Escherichia coli</i> heat-stable enterotoxin allele sequences and lack of biological effect of changing the carboxy-terminal tyrosine to histidine. 1989 , 57, 645-8	25
446	DNA sequence of <i>mip</i> , a <i>Legionella pneumophila</i> gene associated with macrophage infectivity. 1989 , 57, 1263-70	168
445	Structure and mapping of antigenic domains of protein antigen b, a 38,000-molecular-weight protein of <i>Mycobacterium tuberculosis</i> . 1989 , 57, 2481-8	139
444	Cholera toxin B-subunit gene fusion: structural and functional analysis of the chimeric protein. 1990 , 58, 70-9	63
443	Molecular cloning and nucleotide sequence analysis of cholera toxin genes of the CtxA- <i>Vibrio cholerae</i> strain Texas Star-SR. 1990 , 58, 4142-4	12

442	The gene coding for protein p60 of <i>Listeria monocytogenes</i> and its use as a specific probe for <i>Listeria monocytogenes</i> . 1990 , 58, 1943-50	129
441	Synthetic peptide segments from the <i>Escherichia coli</i> porin OmpF constitute leukocyte activators. 1990 , 58, 2719-24	12
440	Nucleotide sequence analysis of the <i>Legionella micdadei</i> mip gene, encoding a 30-kilodalton analog of the <i>Legionella pneumophila</i> Mip protein. 1991 , 59, 3836-40	41
439	The msp1 beta multigene family of <i>Anaplasma marginale</i> : nucleotide sequence analysis of an expressed copy. 1991 , 59, 971-6	56
438	A 43-kilodalton pneumococcal surface protein, PspA: isolation, protective abilities, and structural analysis of the amino-terminal sequence. 1991 , 59, 1285-9	41
437	Sequence and structural analysis of surface protein antigen I/II (SpaA) of <i>Streptococcus sobrinus</i> . 1991 , 59, 2677-85	76
436	Cloning and nucleotide sequencing of the <i>Clostridium perfringens</i> epsilon-toxin gene and its expression in <i>Escherichia coli</i> . 1992 , 60, 102-10	101
435	Nucleotide sequences of two adjacent M or M-like protein genes of group A streptococci: different RNA transcript levels and identification of a unique immunoglobulin A-binding protein. 1992 , 60, 124-35	80
434	Myosin-cross-reactive epitope of <i>Shigella flexneri</i> invasion plasmid antigen B. 1992 , 60, 557-64	8
433	Residues 20, 22, and 26 determine the subtype specificities of staphylococcal enterotoxins C1 and C2. 1992 , 60, 694-7	14
432	Nucleotide sequence analysis reveals novel features of the phase-variable cytoadherence accessory protein HMW3 of <i>Mycoplasma pneumoniae</i> . 1992 , 60, 1633-41	28
431	Cloning, sequencing, and viscometric adhesion analysis of heat-resistant agglutinin 1, an integral membrane hemagglutinin from <i>Escherichia coli</i> O9:H10:K99. 1994 , 62, 5020-6	19
430	Cloning, sequencing, and expression of the gene coding for an antigenic 120-kilodalton protein of <i>Rickettsia conorii</i> . 1994 , 62, 904-9	17
429	Localization of immunoglobulin A-binding sites within M or M-like proteins of group A streptococci. 1994 , 62, 1968-74	29
428	DNA sequence of the serum opacity factor of group A streptococci: identification of a fibronectin-binding repeat domain. 1995 , 63, 622-31	113
427	<i>Pasteurella haemolytica</i> serotype 2 contains the gene for a noncapsular serotype 1-specific antigen. 1995 , 63, 1340-8	13
426	Cloning, expression, and nucleotide sequence of a <i>Staphylococcus aureus</i> gene (fbpA) encoding a fibrinogen-binding protein. 1995 , 63, 1914-20	66
425	<i>Escherichia coli</i> hemolysin mutants with altered target cell specificity. 1996 , 64, 3081-7	25

424	Molecular variation in the major outer membrane protein P5 gene of nonencapsulated <i>Haemophilus influenzae</i> during chronic infections. 1997 , 65, 1351-6	58
423	Molecular cloning and characterization of the genes coding for the highly immunogenic cluster of 90-kilodalton envelope proteins from the <i>Chlamydia psittaci</i> subtype that causes abortion in sheep. 1998 , 66, 1317-24	83
422	Membrane topology and cellular location of the <i>Treponema pallidum</i> glycerophosphodiester phosphodiesterase (GlpQ) ortholog. 1999 , 67, 2266-76	28
421	Low levels of RNase H activity in <i>Escherichia coli</i> FB2 <i>rnh</i> result from a single-base change in the structural gene of RNase H. 1983 , 154, 1021-6	12
420	Nucleotide sequence of the <i>papA</i> gene encoding the Pap pilus subunit of human uropathogenic <i>Escherichia coli</i> . 1984 , 157, 330-3	144
419	Cloning, sequencing, and expression of the gene encoding cyclic 2, 3-diphosphoglycerate synthetase, the key enzyme of cyclic 2, 3-diphosphoglycerate metabolism in <i>Methanothermus fervidus</i> . 1998 , 180, 5997-6004	12
418	<i>Campylobacter fetus</i> surface layer proteins are transported by a type I secretion system. 1998 , 180, 6450-8	46
417	The two-component regulators GacS and GacA influence accumulation of the stationary-phase sigma factor sigmaS and the stress response in <i>Pseudomonas fluorescens</i> Pf-5. 1998 , 180, 6635-41	154
416	Physicochemical evidence that <i>Treponema pallidum</i> TroA is a zinc-containing metalloprotein that lacks porin-like structure. 1999 , 181, 4420-3	25
415	Stable packaging of phage PRD1 DNA requires adsorption protein P2, which binds to the IncP plasmid-encoded conjugative transfer complex. 1999 , 181, 6689-96	51
414	Cloning of <i>mnuA</i> , a membrane nuclease gene of <i>Mycoplasma pulmonis</i> , and analysis of its expression in <i>Escherichia coli</i> . 1999 , 181, 1853-60	20
413	Cloning of <i>fibA</i> , encoding an immunogenic subunit of the fibril-like surface structure of <i>Peptostreptococcus micros</i> . 1999 , 181, 2485-91	7
412	Antibody response of <i>Schistosoma mansoni</i> -infected human subjects to the recombinant P28 glutathione-S-transferase and to synthetic peptides. 1990 , 28, 1918-24	51
411	Identification of four epitopes in hepatitis C virus core protein. 1993 , 31, 1586-91	21
410	Cloning, characterization, and expression of a 200-kilodalton diagnostic antigen of <i>Babesia bigemina</i> . 2000 , 38, 2240-7	32
409	Nucleotide sequence of an mRNA transcribed in latent growth-transforming virus infection indicates that it may encode a membrane protein. 1984 , 51, 411-9	249
408	Analysis of the Sendai virus M gene and protein. 1984 , 52, 656-63	47
407	Anatomy of the herpes simplex virus 1 strain F glycoprotein B gene: primary sequence and predicted protein structure of the wild type and of monoclonal antibody-resistant mutants. 1985 , 53, 243-53	177

406	Rabies virulence: effect on pathogenicity and sequence characterization of rabies virus mutations affecting antigenic site III of the glycoprotein. 1985 , 53, 926-34	266
405	Polyhedrin gene of <i>Bombyx mori</i> nuclear polyhedrosis virus. 1985 , 54, 436-45	51
404	Two major outer envelope glycoproteins of Epstein-Barr virus are encoded by the same gene. 1985 , 54, 665-74	100
403	Induction of hepatitis A virus-neutralizing antibody by a virus-specific synthetic peptide. 1985 , 55, 836-9	811
402	Epstein-Barr virus genome may encode a protein showing significant amino acid and predicted secondary structure homology with glycoprotein B of herpes simplex virus 1. 1985 , 56, 807-13	97
401	Human parainfluenza type 3 virus hemagglutinin-neuraminidase glycoprotein: nucleotide sequence of mRNA and limited amino acid sequence of the purified protein. 1986 , 57, 481-9	73
400	Molecular cloning and sequence determination of the genomic regions encoding protease and genome-linked protein of three picornaviruses. 1986 , 57, 1084-93	43
399	Characterization of a pseudorabies virus glycoprotein gene with homology to herpes simplex virus type 1 and type 2 glycoprotein C. 1986 , 58, 339-47	106
398	Matrix genes of measles virus and canine distemper virus: cloning, nucleotide sequences, and deduced amino acid sequences. 1986 , 58, 408-16	117
397	Analysis of pseudorabies virus glycoprotein gIII localization and modification by using novel infectious viral mutants carrying unique EcoRI sites. 1987 , 61, 2962-72	44
396	Nucleotide sequence of a complete mouse intracisternal A-particle genome: relationship to known aspects of particle assembly and function. 1987 , 61, 3020-9	136
395	Computer-assisted analysis of envelope protein sequences of seven human immunodeficiency virus isolates: prediction of antigenic epitopes in conserved and variable regions. 1987 , 61, 570-8	369
394	Antigenic and structural properties of the hemagglutinin-neuraminidase glycoprotein of human parainfluenza virus type 3: sequence analysis of variants selected with monoclonal antibodies which inhibit infectivity, hemagglutination, and neuraminidase activities. 1987 , 61, 1473-7	59
393	DNA-binding activity of papillomavirus proteins. 1987 , 61, 1655-60	46
392	The 160,000-Mr virion protein encoded at the right end of the herpesvirus saimiri genome is homologous to the 140,000-Mr membrane antigen encoded at the left end of the Epstein-Barr virus genome. 1987 , 61, 2063-70	40
391	An amino-terminal deletion mutation of pseudorabies virus glycoprotein gIII affects protein localization and RNA accumulation. 1988 , 62, 3565-73	12
390	Induction of antibodies to the Epstein-Barr virus glycoprotein gp85 with a synthetic peptide corresponding to a sequence in the BXLF2 open reading frame. 1988 , 62, 1108-14	38
389	Generation and characterization of a temperature-sensitive mutation in the NS-1 gene of the autonomous parvovirus minute virus of mice. 1988 , 62, 2736-44	53

388	DNA-binding activity of hepatitis B e antigen polypeptide lacking the protaminelike sequence of nucleocapsid protein of human hepatitis B virus. 1988 , 62, 3517-21	18
387	Effects of mutations in poliovirus 3Dpol on RNA polymerase activity and on polyprotein cleavage. 1989 , 63, 4866-74	50
386	Linker insertion-deletion mutagenesis of the v-src gene: isolation of host- and temperature-dependent mutants. 1989 , 63, 542-54	97
385	Identification and sequence analysis of a gene encoding gp67, an abundant envelope glycoprotein of the baculovirus Autographa californica nuclear polyhedrosis virus. 1989 , 63, 1393-9	140
384	Protein kinase activity associated with the large subunit of herpes simplex virus type 2 ribonucleotide reductase (ICP10). 1989 , 63, 3389-98	74
383	Syncytium formation by recombinant vaccinia viruses carrying bovine parainfluenza 3 virus envelope protein genes. 1989 , 63, 3661-8	40
382	Herpes simplex virus type 1-specific immunity induced by peptides corresponding to an antigenic site of glycoprotein B. 1990 , 64, 5277-83	13
381	Immunogenic domains of hepatitis delta virus antigen: peptide mapping of epitopes recognized by human and woodchuck antibodies. 1990 , 64, 1108-16	38
380	Virus-neutralizing monoclonal antibody to a conserved epitope on the duck hepatitis B virus pre-S protein. 1990 , 64, 1290-7	33
379	Biological activities of a synthetic peptide composed of two unlinked domains from a retroviral transmembrane protein sequence. 1990 , 64, 1429-36	9
378	The 22,000-kilodalton protein of respiratory syncytial virus is a major target for Kd-restricted cytotoxic T lymphocytes from mice primed by infection. 1990 , 64, 1683-9	87
377	Four major sequence elements of simian virus 40 large T antigen coordinate its specific and nonspecific DNA binding. 1990 , 64, 1973-83	68
376	Structural requirements in the herpes simplex virus type 1 transactivator Vmw65 for interaction with the cellular octamer-binding protein and target TAATGARAT sequences. 1990 , 64, 2716-24	60
375	Molecular structure of the cell-attachment protein of reovirus: correlation of computer-processed electron micrographs with sequence-based predictions. 1990 , 64, 2990-3000	99
374	Purification, renaturation, and reconstituted protein kinase activity of the Sendai virus large (L) protein: L protein phosphorylates the NP and P proteins in vitro. 1990 , 64, 4274-80	63
373	T-helper cell and associated antibody response to synthetic peptides of the E glycoprotein of Murray Valley encephalitis virus. 1991 , 65, 5141-8	27
372	Genetic analysis of the adenovirus E4 6/7 trans activator: interaction with E2F and induction of a stable DNA-protein complex are critical for activity. 1991 , 65, 5364-73	31
371	Mechanism of altered Sindbis virus neurovirulence associated with a single-amino-acid change in the E2 Glycoprotein. 1991 , 65, 1551-7	71

370	Expression of rotavirus VP2 produces empty corelike particles. 1991 , 65, 2946-52	152
369	A mutation in the gene encoding the vaccinia virus 37,000-M(r) protein confers resistance to an inhibitor of virus envelopment and release. 1991 , 65, 3435-42	59
368	Rotavirus YM gene 4: analysis of its deduced amino acid sequence and prediction of the secondary structure of the VP4 protein. 1991 , 65, 3738-45	29
367	Induction of AP-1 DNA-binding activity and c-fos mRNA by the adenovirus 243R E1A protein and cyclic AMP requires domains necessary for transformation. 1992 , 66, 5849-59	30
366	A carboxy-terminal fragment of protein mu 1/mu 1C is present in infectious subviriion particles of mammalian reoviruses and is proposed to have a role in penetration. 1992 , 66, 6408-18	129
365	Fusion mutants of Newcastle disease virus selected with monoclonal antibodies to the hemagglutinin-neuraminidase. 1992 , 66, 6626-33	16
364	Identification and cloning of a novel heterogeneous nuclear ribonucleoprotein C-like protein that functions as a transcriptional activator of the hepatitis B virus enhancer II. 1992 , 66, 6841-8	41
363	Detailed mapping of the antigenicity of the surface unit glycoprotein of equine infectious anemia virus by using synthetic peptide strategies. 1992 , 66, 732-42	72
362	Mutations within the proteolytic cleavage site of the Rous sarcoma virus glycoprotein define a requirement for dibasic residues for intracellular cleavage. 1992 , 66, 865-74	50
361	A point mutation within a distinct conserved region of the herpes simplex virus DNA polymerase gene confers drug resistance. 1992 , 66, 1774-6	103
360	Phenotype-associated sequence variation in the third variable domain of the human immunodeficiency virus type 1 gp120 molecule. 1992 , 66, 3183-7	636
359	Intracellular processing of the paramyxovirus F protein: critical role of the predicted amphipathic alpha helix adjacent to the fusion domain. 1992 , 66, 4161-9	21
358	Alternate translation initiation on hepatitis B virus X mRNA produces multiple polypeptides that differentially transactivate class II and III promoters. 1992 , 66, 4382-9	60
357	Proteolytic cleavage of the reovirus sigma 3 protein results in enhanced double-stranded RNA-binding activity: identification of a repeated basic amino acid motif within the C-terminal binding region. 1992 , 66, 5347-56	59
356	Two regions of the herpes simplex virus type 1 UL42 protein are required for its functional interaction with the viral DNA polymerase. 1993 , 67, 5922-31	24
355	Functional analysis of the herpes simplex virus UL42 protein. 1993 , 67, 1159-68	46
354	Both the V2 and V3 regions of the human immunodeficiency virus type 1 surface glycoprotein functionally interact with other envelope regions in syncytium formation. 1993 , 67, 3232-9	62
353	Mutations that alter an Arg-Gly-Asp (RGD) sequence in the adenovirus type 2 penton base protein abolish its cell-rounding activity and delay virus reproduction in flat cells. 1993 , 67, 5198-205	216

352	Alphavirus nsP3 functions to form replication complexes transcribing negative-strand RNA. 1994 , 68, 6466-75	83
351	Epstein-Barr virus infection induces expression in B lymphocytes of a novel gene encoding an evolutionarily conserved 55-kilodalton actin-bundling protein. 1994 , 68, 7320-8	87
350	A Ca ²⁺ /calmodulin-dependent protein kinase, CaM kinase-Gr, expressed after transformation of primary human B lymphocytes by Epstein-Barr virus (EBV) is induced by the EBV oncogene LMP1. 1994 , 68, 1697-705	34
349	Expression of the TM protein of Rous sarcoma virus in the absence of SU shows that this domain is capable of oligomerization and intracellular transport. 1994 , 68, 2513-20	11
348	Peptide immunogen mimicry of putative E1 glycoprotein-specific epitopes in hepatitis C virus. 1994 , 68, 4420-6	35
347	Modifications in the binding domain of avian retrovirus envelope protein to redirect the host range of retroviral vectors. 1994 , 68, 4609-19	99
346	Mutations that specifically impair the DNA binding activity of the herpes simplex virus protein UL42. 1995 , 69, 6965-71	33
345	Mutagenic analysis of human immunodeficiency virus type 1 Vpr: role of a predicted N-terminal alpha-helical structure in Vpr nuclear localization and virion incorporation. 1995 , 69, 7032-44	158
344	Identification and characterization of a serine-like proteinase of the murine coronavirus MHV-A59. 1995 , 69, 3554-9	80
343	Human cell receptor CD46 is down regulated through recognition of a membrane-proximal region of the cytoplasmic domain in persistent measles virus infection. 1996 , 70, 6929-36	24
342	Identification of amino acids controlling the low-pH-induced conformational change of rabies virus glycoprotein. 1996 , 70, 7371-8	46
341	Glycoprotein B of herpes simplex virus type 1 oligomerizes through the intermolecular interaction of a 28-amino-acid domain. 1996 , 70, 1640-50	18
340	Properties of the protein encoded by the UL32 open reading frame of herpes simplex virus 1. 1996 , 70, 3938-46	30
339	Identification and characterization of a double-stranded RNA- reovirus temperature-sensitive mutant defective in minor core protein mu2. 1996 , 70, 4237-45	41
338	Mutational analysis of human T-cell leukemia virus type 2 Tax. 1997 , 71, 8912-7	39
337	Putative alpha-helical structures in the human immunodeficiency virus type 1 Vpu protein and CD4 are involved in binding and degradation of the CD4 molecule. 1997 , 71, 4452-60	45
336	Self-association of herpes simplex virus type 1 ICP35 is via coiled-coil interactions and promotes stable interaction with the major capsid protein. 1997 , 71, 5197-208	40
335	Mutagenesis analysis of the murine leukemia virus matrix protein: identification of regions important for membrane localization and intracellular transport. 1997 , 71, 5549-59	30

334	In vitro analysis of the E1A-homologous sequences of RIZ. 1997 , 71, 6200-3	11
333	An arginine-faced amphipathic alpha helix is required for adenovirus type 5 e4orf6 protein function. 1999 , 73, 4600-10	33
332	The HXT2 gene of <i>Saccharomyces cerevisiae</i> is required for high-affinity glucose transport. 1990 , 10, 5903-5913	45
331	A suppressor of an RNA polymerase II mutation of <i>Saccharomyces cerevisiae</i> encodes a subunit common to RNA polymerases I, II, and III. 1990 , 10, 6123-6131	27
330	Oocyte-specific expression of mouse Zp-2: developmental regulation of the zona pellucida genes. 1990 , 10, 1507-1515	23
329	Overlapping reading frames at the LYS5 locus in the yeast <i>Yarrowia lipolytica</i> . 1990 , 10, 4795-4806	19
328	Isolation and characterization of PEP3, a gene required for vacuolar biogenesis in <i>Saccharomyces cerevisiae</i> . 1991 , 11, 5801-5812	30
327	Regulation of the oncogenic activity of the cellular src protein requires the correct spacing between the kinase domain and the C-terminal phosphorylated tyrosine (Tyr-527). 1991 , 11, 5832-5838	9
326	Identification and structure of four yeast genes (SLY) that are able to suppress the functional loss of YPT1, a member of the RAS superfamily. 1991 , 11, 872-885	132
325	Activation of tyrosinase kinase and microfilament-binding functions of c-abl by bcr sequences in bcr/abl fusion proteins. 1991 , 11, 1553-1565	83
324	Analysis of constitutive and noninducible mutations of the PUT3 transcriptional activator. 1991 , 11, 2609-2619	40
323	HMG1-related DNA-binding protein isolated with V-(D)-J recombination signal probes. 1991 , 11, 4528-4536	40
322	MET4, a leucine zipper protein, and centromere-binding factor 1 are both required for transcriptional activation of sulfur metabolism in <i>Saccharomyces cerevisiae</i> . 1992 , 12, 1719-1727	90
321	Hepatocyte nuclear factor 3 beta contains two transcriptional activation domains, one of which is novel and conserved with the <i>Drosophila</i> fork head protein. 1992 , 12, 3723-3732	75
320	Identification of amino acids essential for DNA binding and dimerization in p67SRF: implications for a novel DNA-binding motif. 1993 , 13, 123-132	30
319	Two domains of ISGF3 gamma that mediate protein-DNA and protein-protein interactions during transcription factor assembly contribute to DNA-binding specificity. 1993 , 13, 196-206	58
318	Human ERCC5 cDNA-cosmid complementation for excision repair and bipartite amino acid domains conserved with RAD proteins of <i>Saccharomyces cerevisiae</i> and <i>Schizosaccharomyces pombe</i> . 1993 , 13, 6393-6402	22
317	Dimerization mediated through a leucine zipper activates the oncogenic potential of the met receptor tyrosine kinase. 1993 , 13, 6711-6722	59

316	hMEF2C gene encodes skeletal muscle- and brain-specific transcription factors. 1993 , 13, 2564-2577	107
315	Mutational and functional analysis of dominant SPT2 (SIN1) suppressor alleles in <i>Saccharomyces cerevisiae</i> . 1993 , 13, 5393-5407	13
314	Differential specificity for binding of retinoblastoma binding protein 2 to RB, p107, and TATA-binding protein. 1994 , 14, 7256-7264	17
313	The transcription factors Elk-1 and serum response factor interact by direct protein-protein contacts mediated by a short region of Elk-1. 1994 , 14, 3283-3291	79
312	One exon of the human LSF gene includes conserved regions involved in novel DNA-binding and dimerization motifs. 1994 , 14, 5076-5087	29
311	Isolation and characterization of the SPT2 gene, a negative regulator of Ty-controlled yeast gene expression. 1985 , 5, 1543-1553	48
310	Structure of the <i>Saccharomyces cerevisiae</i> HO gene and analysis of its upstream regulatory region. 1986 , 6, 4281-4294	81
309	Human acidic ribosomal phosphoproteins P0, P1, and P2: analysis of cDNA clones, in vitro synthesis, and assembly. 1987 , 7, 4065-4074	96
308	Amino-terminal extension generated from an upstream AUG codon increases the efficiency of mitochondrial import of yeast N2,N2-dimethylguanosine-specific tRNA methyltransferases. 1989 , 9, 1611-1620 ²⁶	
307	Primary structure of a human mitochondrial protein homologous to the bacterial and plant chaperonins and to the 65-kilodalton mycobacterial antigen. 1989 , 9, 2279-2283	150
306	Functional domains of the <i>Drosophila melanogaster</i> muscle myosin heavy-chain gene are encoded by alternatively spliced exons. 1989 , 9, 2957-2974	71
305	A single essential gene, PRI2, encodes the large subunit of DNA primase in <i>Saccharomyces cerevisiae</i> . 1989 , 9, 3081-3087	34
304	Molecular basis of bacterial outer membrane permeability. 1985 , 49, 1-32	1652
303	Pilins of <i>Bacteroides nodosus</i> : molecular basis of serotypic variation and relationships to other bacterial pilins. 1988 , 52, 233-47	65
302	TraT lipoprotein, a plasmid-specified mediator of interactions between gram-negative bacteria and their environment. 1990 , 54, 331-41	44
301	Bacteriophage lysis: mechanism and regulation. 1992 , 56, 430-81	539
300	The mechanism of inhibition of factor III (thromboplastin) activity by apolipoprotein B-100. Protein-protein interactions. 1996 , 16, 639-47	16
299	Evidence for a dystrophin missense mutation as a cause of X-linked dilated cardiomyopathy. 1997 , 95, 2434-40	129

298	Cystatin C. Icelandic-like mutation in an animal model of cerebrovascular beta-amyloidosis. 1996 , 27, 2080-5	23
297	Identification of a point mutation resulting in a heat-labile adenosine deaminase (ADA) in two unrelated children with partial ADA deficiency. 1989 , 83, 497-501	22
296	Schindler disease: the molecular lesion in the alpha-N-acetylgalactosaminidase gene that causes an infantile neuroaxonal dystrophy. 1990 , 86, 1752-6	51
295	A single base substitution in the coding region for neurophysin II associated with familial central diabetes insipidus. 1991 , 87, 725-8	79
294	Localization of human platelet autoantigens to the cysteine-rich region of glycoprotein IIIa. 1991 , 88, 847-54	60
293	Two different allelic mutations in the lecithin-cholesterol acyltransferase gene associated with the fish eye syndrome. Lecithin-cholesterol acyltransferase (Thr123----Ile) and lecithin-cholesterol acyltransferase (Thr347----Met). 1992 , 89, 499-506	52
292	Molecular basis for membrane rigidity of hereditary ovalocytosis. A novel mechanism involving the cytoplasmic domain of band 3. 1992 , 89, 686-92	112
291	Structure-function relationships of interleukin-3. An analysis based on the function and binding characteristics of a series of interspecies chimera of gibbon and murine interleukin-3. 1992 , 90, 1879-88	19
290	Fish eye syndrome: a molecular defect in the lecithin-cholesterol acyltransferase (LCAT) gene associated with normal alpha-LCAT-specific activity. Implications for classification and prognosis. 1993 , 92, 479-85	60
289	Complementary DNA cloning of the alternatively expressed endothelial cell glycoprotein Ib beta (GPIb beta) and localization of the GPIb beta gene to chromosome 22. 1994 , 93, 2417-24	35
288	Citrulline is an essential constituent of antigenic determinants recognized by rheumatoid arthritis-specific autoantibodies. 1998 , 101, 273-81	960
287	Mutations in the human delta-sarcoglycan gene in familial and sporadic dilated cardiomyopathy. 2000 , 106, 655-62	252
286	Protein Sequence Analysis and Prediction of Secondary Structural Features. 2004 , 99-185	1
285	Profile of a mammalian sperm receptor. 1990 , 108, 1-17	241
284	The protein product of the zebrafish homologue of the mouse T gene is expressed in nuclei of the germ ring and the notochord of the early embryo. 1992 , 116, 1021-1032	522
283	pannier, a negative regulator of achaete and scute in Drosophila, encodes a zinc finger protein with homology to the vertebrate transcription factor GATA-1. 1993 , 119, 1277-1291	170
282	Identification of a novel cardiac-specific transcript critical for cardiac myocyte differentiation. 1996 , 122, 2779-2789	30
281	Desmoyokin, a 680 kDa keratinocyte plasma membrane-associated protein, is homologous to the protein encoded by human gene AHNAK. 1993 , 105, 275-286	39

280	Expression of alpha 7 integrin cytoplasmic domains during skeletal muscle development: alternate forms, conformational change, and homologies with serine/threonine kinases and tyrosine phosphatases. 1993 , 106, 1139-1152	119
279	Identification of a novel microtubule-binding domain in microtubule-associated protein 1A (MAP1A). 1994 , 107, 661-672	35
278	Giardia gene predicts a 183 kDa nucleotide-binding head-stalk protein. 1995 , 108, 2683-2692	17
277	A nematode gene required for sperm vesicle fusion. 1997 , 110, 1073-1081	136
276	Assembly of connexins and MP26 in lens fiber plasma membranes studied by SDS-fracture immunolabeling. 1998 , 111, 2109-2120	26
275	PUMA1: a novel protein that associates with the centrosomes, spindle and centromeres in the nematode <i>Parascaris</i> . 1998 , 111, 723-735	9
274	A novel protein targeting domain directs proteins to the anterior cytoplasmic face of the flagellar pocket in African trypanosomes. 1999 , 112, 3091-3101	39
273	The intracellular hyaluronan receptor RHAMM/IHABP interacts with microtubules and actin filaments. 1999 , 112, 3943-3954	119
272	Differential assembly of alpha- and gamma-filagenins into thick filaments in <i>Caenorhabditis elegans</i> . 2000 , 113, 4001-4012	10
271	Dissecting molecular differences between Wnt coreceptors LRP5 and LRP6. 2011 , 6, e23537	54
270	Prediction of peptide reactivity with human IVIg through a knowledge-based approach. 2011 , 6, e23616	2
269	Genetic alterations within the DENND1A gene in patients with polycystic ovary syndrome (PCOS). 2013 , 8, e77186	26
268	Serotyping of <i>Toxoplasma gondii</i> in cats (<i>Felis domesticus</i>) reveals predominance of type II infections in Germany. 2013 , 8, e80213	16
267	[Angiotensin converting enzyme: the antigenic properties of the domain, role in Alzheimer's disease and tumor progression]. 2015 , 61, 301-11	4
266	Association between single nucleotide polymorphisms in ADRB2, GNB3 and GSP1 genes and high-altitude pulmonary edema (HAPE) in the Chinese Han population. 2017 , 8, 18206-18212	8
265	A Systematic Review on Popularity, Application and Characteristics of Protein Secondary Structure Prediction Tools. 2019 , 16, 159-172	6
264	A Deep Convolutional Neural Network to Improve the Prediction of Protein Secondary Structure. 2020 , 15, 767-777	4
263	In silico Characterization and Homology Modeling of Cyanobacterial Phosphoenolpyruvate Carboxylase Enzymes with Computational Tools and Bioinformatics Servers. 2011 , 1, 319-336	10

- 262 Isolation and Identification of Antimicrobial Protein from *Saccharomyces cerevisiae* and its Efficacy Against the Human Pathogens. **2015**, 10, 24-32 1
- 261 Characterization of Lovastatin biosynthetic cluster proteins in *Aspergillus terreus* strain ATCC 20542. **2011**, 6, 250-4 10
- 260 Epitope-specific anti-PrP antibody toxicity: a comparative study of human and mouse prion proteins. **2021**, 15, 155-176
- 259 Ensemble of Template-Free and Template-Based Classifiers for Protein Secondary Structure Prediction. **2021**, 22,
- 258 Sequence and Structure of Proteins. **2001**, 43-86
- 257 Tools for Protein Technologies. **2001**, 325-344
- 256 Computer Modeling of Protein Structure. **2001**,
- 255 Cloning and expression of the putative aggregation factor from the marine sponge *Geodia cydonium*. **2001**, 114, 3189-3198 23
- 254 Secondary Structural Prediction Of Proteins.
- 253 Protein Structure and Stability: Database-derived Potentials and Prediction.
- 252 Bioinformatics. **2003**, 31-69
- 251 Application of Evolutionary Computation to Protein Folding. **2003**, 915-940
- 250 Application of Evolutionary Computation to Protein Folding with Specialized Operators. **2003**, 163-191 2
- 249 Bioinformatik. **2003**, 143-212 0
- 248 GOR Secondary Structure Prediction Method (Garnier-Osguthorpe-Robson Method). **2004**,
- 247 GOR Secondary-Structure Prediction Method (Garnier-Osguthorpe-Robson Method).
- 246 Secondary structure breakers and hairpin structures in myoglobin and hemoglobin. **2005**, 5, 65-77 3
- 245 A Hybrid Classifier for Protein Secondary Structure Prediction. **2005**, 4, 433-438 1

- 244 Theoretical and empirical approaches to protein-structure prediction and analysis. **1991**, 35, 1-86 3
- 243 Structural and mechanistic implications of the amino acid sequence of calcium-transporting ATPases. **1986**, 122, 93-114 7
- 242 New Dihedral Angle Measure for Protein Secondary Prediction. **2008**,
- 241 [cDNA cloning and protein structure analysis of growth hormone from *Clarias lazera*]. **2008**, 30, 913-8
- 240 Training Neural Networks for Protein Secondary Structure Prediction: The Effects of Imbalanced Data Set. **2009**, 258-265
- 239 Alpha Helix Prediction Based on Evolutionary Computation. **2010**, 358-367 o
- 238 Molecular Similarity Between the Shared Epitope of Rheumatoid Arthritis and Bacteria. **2011**, 113-120
- 237 FS-Tree: Sequential Association Rules and First Applications to Protein Secondary Structure Analysis. **2014**, 189-198
- 236 Predictions from Sequence. **2014**, 1-4
- 235 Computer-Aided Conformational Approaches to Modelling. **1984**, 537-542
- 234 Variability, Modelling and Prediction of β -Hairpins with Reference to the Immunoglobulin Fold. **1985**, 23-31
- 233 Potentials for Applications of Genetic Engineering Technology to Soybeans. **1985**, 89-105
- 232 The Human Factor VIII Protein. **1985**, 33, 55-58
- 231 Regions of the Large Subunit of Rubisco that Compose the Active Site. **1986**, 53-60
- 230 The Biosynthetic Precursor of Gonadotropin-Releasing Hormone: A Multifunctional Prohormone. **1986**, 57-65
- 229 Structure-Function Studies of Growth-Factor Receptors. **1987**, 127-134
- 228 Bibliography. **1987**, 165-184
- 227 Prediction of Protein Structure from Amino Acid Sequence. **1987**, 141-149

226Computerized Chou-Fasman Secondary Structure Analyses of Proinsulin, Insulin and Insulin Receptor Polypeptides. 1987, 17-42

225Insect Cuticle as a Covalently Crosslinked Protein Network. 1988, 141-150

224The Molecular Biology of β -Hexosaminidase: Localization of the Proteolytic Processing and Carbohydrate Containing Sites. 1988, 225-236

223Protein Targeting - Pages 241-267. 1989, 241-267

222Prediction of Packing of Secondary Structure. 1989, 467-5481

221The Structure of the Skeletal Muscle Calcium Channel. 1989, 147-157

220Structure/Function Relationships in the Bacteriophage T4 Single-Stranded DNA-Binding Protein. 1989, 302-322

219The Central Helix of Calmodulin and Homologs Effects of Solvent Exposure on Stability. 1990, 93-100

218Early events in infection with arenaviruses. 1990, 109-117

217PROTEIN CONFORMATIONAL PREDICTION. 1990, 135-145

216Type-specific immunodetection of human heart fatty acid-binding protein with polyclonal anti-peptide antibodies. 1990, 41-48

215Structural Analysis of the Rhodobacter capsulatus bchC Bacteriochlorophyll Biosynthesis Gene. 1990, 57-64

214The Membrane-Bound Hydrogenase of the Photosynthetic Bacterium Rhodobacter Capsulatus. 1990, 329-336

213Type II immunoglobulin receptor and its gene. 1990, 83-992

212Selective Cleavage of the LHCP Precursor May Determine the Relative Abundance of the Two Mature Forms (~26 and 25 kD) Found in vivo. 1990, 1191-1196

211Characterization of human myosin light chains 1sa and 3nm: implications for isoform evolution and function. 1990, 10, 1095-110411

210Case Study: Specification of Expert System for Protein Structure Prediction. 1991, 189-215

209Ribonuclease H and Primer tRNA Binding Activities of HIV Reverse Transcriptase as Therapeutic Targets. 1991, 55-681

208 The Molecular Biology of Sugar Transport Proteins. **1991**, 369-397

207 Calcium-Binding Sites in Myeloperoxidase and Lactoperoxidase. **1991**, 425-435

206 Cloning and Sequencing of a New Calmodulin Related Calcium-Binding Protein Controlled by Cyclic AMP Dependent Phosphorylation in the Thyroid: Calcyphosine. **1991**, 375-384

205 Nonmuscle β -Actinin is an EF-Hand Protein. **1991**, 321-337

1

204 Protein conformational analysis and online sequence searching: an application to drug research. **1991**, 211-232

203 α -Helices in proteins: Strategies for detecting and analysing coiled-coil motifs. **1991**, 316-320

202 Cloning of Birch Pollen Allergens. **1991**, 48-56

201 Leucine periodicity of U2 small nuclear ribonucleoprotein particle (snRNP) A' protein is implicated in snRNP assembly via protein-protein interactions. **1991**, 11, 1578-1589

26

200 Cloning by differential screening of a Xenopus cDNA that encodes a kinesin-related protein. **1991**, 11, 3395-3398

50

199 Assessment of the transcriptional activation potential of the HMG chromosomal proteins. **1991**, 11, 4483-4489

26

198 The Participation of Sterol Carrier Protein-2 (SCP-2) in Cholesterol Metabolism. **1992**, 1-28

197 Molecular Biology of Cardiac Ion Channels. **1992**, 167-193

1

196 Molecular characterization and expression of an alfalfa protein with sequence similarity to mammalian ERp72, a glucose-regulated endoplasmic reticulum protein containing active site sequences of protein disulphide isomerase. **1992**, 2, 51-58

13

195 A Brief Review of Protein Sequence Pattern Matching. **1992**, 11-28

194 Conserved DNA binding and self-association domains of the Drosophila zeste protein. **1992**, 12, 598-608

17

193 Prediction of protein secondary structures. **1992**, 8, 21-31

2

192 The Use of Molecular Modelling to Delineate B-Cell and T-Cell Epitopes of Human Sperm-Specific LDH-C4. **1993**, 481-490

191 Novel member of the zinc finger superfamily: A C2-HC finger that recognizes a glia-specific gene. **1992**, 12, 5632-5639

37

190 The Superfamily: Molecular Modelling. **1993**, 17-31

189 Protein secondary structure prediction based on stochastic-rule learning. **1993**, 240-251

2

188 Prediction of Protein Structure from Multiple Sequence Alignment. **1993**, 209-220

187 Structural and Functional Analysis of the S-Layer Protein from *Bacillus stearothermophilus*. **1993**, 143-149

1

186 Application of computational neural networks to the prediction of protein structural features. **1993**, 15, 1-19

1

185 Data Based Modeling of Proteins. **1994**, 277-296

184 Toward Quantitative Protein Structure Prediction. **1994**, 507-548

183 Structure/Function Studies of Lea Proteins. **1994**, 245-255

182 Poly(ADP-ribose) polymerase: Structural conservation among different classes of animals and its implications. **1994**, 25-32

181 Genotype-Phenotype Correlation in Autosomal Dominant Retinal Degeneration With Mutations in the Peripherin/RDS Gene. **1995**, 285-292

180 Physicochemical and Structural Properties of Interleukin-10. **1995**, 11-18

179 Food enzymes and the new technology. **1995**, 41-113

1

178 Oligomeric and Subunit Structures of Voltage-Gated Potassium Channels. **1995**, 17-22

177 Linguistics of Biomolecules and the Protein-First Hypothesis for the Origins of Cells. **1995**, 193-199

1

176 Modelling proteins. **1996**, 405-462

175 Antigens and antigen presentation. **1996**, 989-1013

174 Chaperones. **1996**, 531-554

173 Prediction of the Structure of an Integral Membrane Protein: The Light-Harvesting Complex II of *Rhodospirillum rubrum*. **1996**, 503-533

172 Computer languages in pharmaceutical design. **1997**, 494-562

171 Chapter 4 Computational methods relating protein sequence and structure. **1997**, 165-268

170 VLG K KV-beta. **1999**, 327-373

169 The Hydrophobic Region PrP(109-136). **2015**, 143-166

168 A Summary of the Research Works on AGAAAAGA. **2015**, 311-315

167 Where the Name "GOR" Originates: A Story. **2017**, 1484, 1-5

166 Protein Structure Modeling of Abnormal Genes Associated with PARK 1 and PARK 8 Loci Related to Autosomal Dominant Parkinson Disease and Docking the Protein(s) with Appropriate Ligands. **2017**, 43-89

165 NMR Analysis of the interaction of Ethanol With the Nicotinic Acetylcholine Receptor.

164 Molecular Life Sciences. **2018**, 983-986

163 Protein Secondary Structure Assignments and Their Usefulness for Dihedral Angle Prediction. **2019**, 699-712

162 Determination of the immunogenic region in the LipL32 protein of Leptospira. 27-33

161 Encyclopedia of Biophysics. **2019**, 1-9

160 Protein Secondary Structure Determination (PSSD): A New and Simple Approach. **2019**, 16, 246-253

159 Structural insights from water-ferredoxin interaction in mesophilic algae and halophilic archaea. **2019**, 15, 79-89

158 Hermes: an ensemble machine learning architecture for protein secondary structure prediction.

157 Prediction of 8-state protein secondary structures by 1D-Inception and BD-LSTM.

o

156 Machine learning prediction of oncology drug targets based on protein and network properties.

155 Protein Secondary Structure Prediction Approaches. **2020**, 251-273

- 154 A Review of Calcineurin Biophysics with Implications for Cardiac Physiology. **2021**, 22, 0
- 153 Posttranslational Modifications of Myelin Basic Protein. **1983**, 30, 103-106
- 152 Structure and Expression of Genes Encoding the Soybean 7S Seed Storage Proteins. **1983**, 101-112
- 151 Multifaceted analysis of training and testing convolutional neural networks for protein secondary structure prediction.
- 150 Structural and Functional Dynamics of Lysosomal Cysteine Proteases with Particular Reference to Cathepsin B and Cathepsin H. **2020**, 391-424 1
- 149 Receiver Operating Characteristic Curves in Binary Classification of Protein Secondary Structure Data. **2020**, 245-253
- 148 Machine learning prediction of oncology drug targets based on protein and network properties.
- 147 Self and Nonself Short Constituent Sequences of Amino Acids in the SARS-CoV-2 Proteome for Vaccine Development. **2021**, 1, 555-574 3
- 146 Discovering the Ultimate Limits of Protein Secondary Structure Prediction. **2021**, 11, 0
- 145 Supercomputers in Modeling of Biological Systems. 201-222
- 144 Protein Secondary Structure Prediction Using Dynamic Programming. **2005**, 37, 167-172
- 143 Local Structure Prediction of Proteins. **2007**, 207-254 1
- 142 Improved Prediction of Protein Secondary Structures Using Adaptively Weighted Profiles. **2007**, 83-94
- 141 *Euglena gracilis* chloroplast elongation factor Tu. Interaction with guanine nucleotides and aminoacyl-tRNA.. *Journal of Biological Chemistry*, **1985**, 260, 8771-8776 5-4 6
- 140 Structural identity between the NH₂-terminal domain of the rat and human ornithine carbamyltransferase targeting sequences.. *Journal of Biological Chemistry*, **1988**, 263, 5752-5756 5-4 5
- 139 Developmentally regulated cytokeratin gene in *Xenopus laevis*. **1985**, 5, 2575-2581 13
- 138 Three tightly linked genes encoding human type I keratins: conservation of sequence in the 5'-untranslated leader and 5'-upstream regions of coexpressed keratin genes. **1986**, 6, 539-548 26
- 137 The *Drosophila melanogaster* tropomyosin II gene produces multiple proteins by use of alternative tissue-specific promoters and alternative splicing. **1988**, 8, 3591-3602 33

136	Structural and functional conservation between yeast and human 3-hydroxy-3-methylglutaryl coenzyme A reductases, the rate-limiting enzyme of sterol biosynthesis. 1988 , 8, 3797-3808	62
135	An ubiquitously expressed gene 3.5 kilobases upstream of the glycerol-3-phosphate dehydrogenase gene in mice. 1989 , 9, 935-945	10
134	DNA determinants of structural and regulatory variation within the murine beta-glucuronidase gene complex. 1989 , 9, 4074-4078	3
133	Isolation and characterization of a novel human gene expressed specifically in the cells of hematopoietic lineage. 1989 , 17, 9367-79	119
132	LckBP1, a proline-rich protein expressed in haematopoietic lineage cells, directly associates with the SH3 domain of protein tyrosine kinase p56lck. 1995 , 14, 3403-14	16
131	Structural analysis of porcine brain nitric oxide synthase reveals a role for tetrahydrobiopterin and L-arginine in the formation of an SDS-resistant dimer. 1995 , 14, 3687-95	85
130	Production of intracellular amyloid-containing fragments in hippocampal neurons expressing human amyloid precursor protein and protection against amyloidogenesis by subtle amino acid substitutions in the rodent sequence. 1995 , 14, 4932-8	61
129	The yeast NOP4 gene product is an essential nucleolar protein required for pre-rRNA processing and accumulation of 60S ribosomal subunits. 1994 , 13, 3127-35	59
128	A new protein domain for binding to DNA through the minor groove. 1994 , 13, 4353-60	10
127	Molecular cloning, structural analysis and functional expression of the proline-rich focal adhesion and microfilament-associated protein VASP. 1995 , 14, 19-27	54
126	Cloning and sequencing of a calcium-binding protein regulated by cyclic AMP in the thyroid. 1989 , 8, 111-6	14
125	Isolation and analysis of the C-terminal signal directing export of Escherichia coli hemolysin protein across both bacterial membranes. 1989 , 8, 595-605	69
124	The gene coding for the major birch pollen allergen Betv1, is highly homologous to a pea disease resistance response gene. 1989 , 8, 1935-8	136
123	A stable alpha-helical element in the carboxy-terminal domain of free and chromatin-bound histone H1 from sea urchin sperm. 1989 , 8, 2591-9	18
122	Multiple zones in the sequence of calreticulin (CRP55, calregulin, HACBP), a major calcium binding ER/SR protein. 1989 , 8, 3581-6	68
121	Identification of four conserved motifs among the RNA-dependent polymerase encoding elements. 1989 , 8, 3867-74	453
120	SCAMP 37, a new marker within the general cell surface recycling system. 1993 , 12, 3753-61	26
119	Primer-terminus stabilization at the 3'-5' exonuclease active site of phi29 DNA polymerase. Involvement of two amino acid residues highly conserved in proofreading DNA polymerases. 1996 , 15, 1182-92	28

118	Tom7 modulates the dynamics of the mitochondrial outer membrane translocase and plays a pathway-related role in protein import. 1996 , 15, 2125-37	45
117	A DNA binding motif coordinating synthesis and degradation in proofreading DNA polymerases. 1996 , 15, 3430-41	15
116	The inducible elongin A elongation activation domain: structure, function and interaction with the elongin BC complex. 1996 , 15, 5557-66	32
115	Erythroid Krüppel-like factor (EKLF) contains a multifunctional transcriptional activation domain important for inter- and intramolecular interactions. 1996 , 15, 5888-96	28
114	Dimerization of TWIK-1 K ⁺ channel subunits via a disulfide bridge. 1996 , 15, 6400-7	56
113	Increased protein flexibility leads to promiscuous protein-DNA interactions in type IC restriction-modification systems. 1991 , 10, 951-7	17
112	A hypothetical model for the peptide binding domain of hsp70 based on the peptide binding domain of HLA. 1991 , 10, 1053-9	52
111	The p65 subunit is responsible for the strong transcription activating potential of NF-kappa B. 1991 , 10, 3805-17	291
110	Molecular basis of Mycoplasma surface antigenic variation: a novel set of divergent genes undergo spontaneous mutation of periodic coding regions and 5' regulatory sequences. 1991 , 10, 4069-79	83
109	A component of the multisynthetase complex is a multifunctional aminoacyl-tRNA synthetase. 1991 , 10, 4267-77	34
108	Alpha-helix in the carboxy-terminal domains of histones H1 and H5. 1988 , 7, 69-75	52
107	Genes expressed in the brain define three distinct neuronal nicotinic acetylcholine receptors. 1988 , 7, 595-601	44
106	Electron microscopy and structural model of human fibronectin receptor. 1988 , 7, 4093-9	53
105	The chicken dystrophin cDNA: striking conservation of the C-terminal coding and 3' untranslated regions between man and chicken. 1988 , 7, 4157-62	29
104	Pilin expression in Neisseria gonorrhoeae is under both positive and negative transcriptional control. 1988 , 7, 4367-78	39
103	Structural and mutational analysis of E2 trans-activating proteins of papillomaviruses reveals three distinct functional domains. 1988 , 7, 2823-9	92
102	Porcine vinculin and metavinculin differ by a 68-residue insert located close to the carboxy-terminal part of the molecule. 1988 , 7, 2329-34	16
101	Identification of domains involved in nuclear uptake and histone binding of protein N1 of Xenopus laevis. 1988 , 7, 1605-14	46

100	The primary structure of the murine multifinger gene mKr2 and its specific expression in developing and adult neurons. 1988 , 7, 1345-53	16
99	Amino acid sequence of the murine Mac-1 alpha chain reveals homology with the integrin family and an additional domain related to von Willebrand factor. 1988 , 7, 1371-8	38
98	Molecular analysis of the C1-I allele from Zea mays: a dominant mutant of the regulatory C1 locus. 1990 , 9, 315-21	32
97	The regulatory gene areA mediating nitrogen metabolite repression in Aspergillus nidulans. Mutations affecting specificity of gene activation alter a loop residue of a putative zinc finger. 1990 , 9, 1355-64	181
96	Early expression of a collagenase-like hatching enzyme gene in the sea urchin embryo. 1990 , 9, 3003-12	34
95	Fatty acids on the A/Japan/305/57 influenza virus hemagglutinin have a role in membrane fusion. 1990 , 9, 3857-66	44
94	Nucleotide sequence of the asd gene of Escherichia coli: absence of a typical attenuation signal. 1982 , 1, 379-84	29
93	Antibodies against a preselected peptide recognize and neutralize foot and mouth disease virus. 1982 , 1, 869-74	85
92	Related functional domains in virus DNA polymerases. 1987 , 6, 169-75	89
91	Structure and sequence of the Drosophila zeste gene. 1987 , 6, 791-9	47
90	The human mid-size neurofilament subunit: a repeated protein sequence and the relationship of its gene to the intermediate filament gene family. 1987 , 6, 1617-26	77
89	Synaptophysin: molecular organization and mRNA expression as determined from cloned cDNA. 1987 , 6, 3261-8	53
88	The structure of cell adhesion molecule uvomorulin. Insights into the molecular mechanism of Ca ²⁺ -dependent cell adhesion. 1987 , 6, 3647-53	84
87	The sequence and topology of human complement component C9. 1985 , 4, 375-82	40
86	The wheat chloroplast gene for CF(0) subunit I of ATP synthase contains a large intron. 1985 , 4, 1381-8	38
85	Folding patterns of porin and bacteriorhodopsin. 1985 , 4, 1593-7	62
84	Nucleotide sequence of cDNA clones of the murine myb proto-oncogene. 1985 , 4, 2003-8	79
83	Complete sequence of a bovine type I cytokeratin gene: conserved and variable intron positions in genes of polypeptides of the same cytokeratin subfamily. 1985 , 4, 2261-7	18

82	Sequence of gene malG in E. coli K12: homologies between integral membrane components from binding protein-dependent transport systems. 1985 , 4, 2287-93	66
81	The regulatory chain in the p36-kd substrate complex of viral tyrosine-specific protein kinases is related in sequence to the S-100 protein of glial cells. 1985 , 4, 2917-20	69
80	Genetic study of a membrane protein: DNA sequence alterations due to 17 lamB point mutations affecting adsorption of phage lambda. 1983 , 2, 77-80	27
79	The mitochondrial genome of <i>Aspergillus nidulans</i> contains reading frames homologous to the human URFs 1 and 4. 1983 , 2, 427-35	22
78	Tupaia (tree shrew) adenovirus DNA: sequence of the left-hand fragment corresponding to the transforming early region of human adenoviruses. 1983 , 2, 2185-8	4
77	Structure, localization and transcriptional properties of two classes of retinoic acid receptor alpha fusion proteins in acute promyelocytic leukemia (APL): structural similarities with a new family of oncoproteins. 1992 , 11, 629-42	113
76	The DNA binding site of HMG1 protein is composed of two similar segments (HMG boxes), both of which have counterparts in other eukaryotic regulatory proteins. 1992 , 11, 1055-63	87
75	Sequence-specific interaction of the HMG box proteins TCF-1 and SRY occurs within the minor groove of a Watson-Crick double helix. 1992 , 11, 3039-44	78
74	Primary and secondary structure of the pore-forming peptide of pathogenic <i>Entamoeba histolytica</i> . 1992 , 11, 3501-6	23
73	An SRY-related gene expressed during spermatogenesis in the mouse encodes a sequence-specific DNA-binding protein. 1992 , 11, 3705-12	78
72	Site-directed mutagenesis at the Exo III motif of phi 29 DNA polymerase; overlapping structural domains for the 3'-5' exonuclease and strand-displacement activities. 1992 , 11, 4227-37	27
71	Interaction of the p85 subunit of PI 3-kinase and its N-terminal SH2 domain with a PDGF receptor phosphorylation site: structural features and analysis of conformational changes. 1992 , 11, 4261-72	41
70	Isolation and cloning of Omp alpha, a coiled-coil protein spanning the periplasmic space of the ancestral eubacterium <i>Thermotoga maritima</i> . 1992 , 11, 4369-78	20
69	A comparison of genomic coding sequences for feather and scale keratins: structural and evolutionary implications. 1984 , 3, 175-8	12
68	RNA-dependent DNA polymerase activity in cauliflower mosaic virus-infected plant leaves. 1984 , 3, 309-14	13
67	The nucleotide sequence of a complete chicken delta-crystallin cDNA. 1984 , 3, 1397-402	10
66	Structural and immunological characterization of Friend murine leukaemia virus glycopolypeptide using synthetic oligopeptides. 1984 , 3, 1925-30	
65	The DNA sequence analysis of soybean heat-shock genes and identification of possible regulatory promoter elements. 1984 , 3, 2491-7	54

64	Sequence and domain relationships of ntrC and nifA from <i>Klebsiella pneumoniae</i> : homologies to other regulatory proteins. 1986 , 5, 441-7		127
63	The neuropeptide head activator loses its biological activity by dimerization. 1986 , 5, 1825-9		6
62	Amino acid sequence and gene organization of cytokeratin no. 19, an exceptional tail-less intermediate filament protein. 1986 , 5, 1865-75		57
61	Evolution and higher-order structure of architectural proteins in silkworm chorion. 1986 , 5, 1981-9		6
60	The bacteriophage T4 gene for the small subunit of ribonucleotide reductase contains an intron. 1986 , 5, 2031-6		37
59	Immunochemical detection of proteins related to the human c-myc exon 1. 1986 , 5, 2241-50		14
58	A 22-kd protein (sorcin/V19) encoded by an amplified gene in multidrug-resistant cells, is homologous to the calcium-binding light chain of calpain. 1986 , 5, 3201-8		42
57	Selective radiolabelling and identification of a strong nucleosome binding site on the globular domain of histone H5. 1986 , 5, 3531-7		16
56	A long helix from the central region of smooth muscle caldesmon. <i>Journal of Biological Chemistry</i> , 1991 , 266, 13958-63	5.4	55
55	Identification of T-cell epitopes of autoantigens using recombinant proteins; studies on experimental autoimmune myasthenia gravis. <i>Immunology</i> , 1990 , 71, 538-43	7.8	8
54	Specific antibody response towards predicted epitopes of the epidermal growth factor receptor induced by a thermostable synthetic peptide adjuvant conjugate. <i>Clinical and Experimental Immunology</i> , 1989 , 78, 499-504	6.2	10
53	Mutations in the paired domain of the human PAX3 gene cause Klein-Waardenburg syndrome (WS-III) as well as Waardenburg syndrome type I (WS-I). <i>American Journal of Human Genetics</i> , 1993 , 52, 455-62	11	185
52	Enzymological and mutational analysis of a complex primary hyperoxaluria type 1 phenotype involving alanine:glyoxylate aminotransferase peroxisome-to-mitochondrion mistargeting and intraperoxisomal aggregation. <i>American Journal of Human Genetics</i> , 1993 , 53, 417-32	11	70
51	Identification of a splice-site mutation in the human growth hormone-variant gene. <i>American Journal of Human Genetics</i> , 1991 , 48, 1168-74	11	10
50	Identification of a missense mutation in one allele of a patient with Pompe disease, and use of endonuclease digestion of PCR-amplified RNA to demonstrate lack of mRNA expression from the second allele. <i>American Journal of Human Genetics</i> , 1991 , 49, 635-45	11	43
49	Molecular characterization of four different classes of mutations in the isovaleryl-CoA dehydrogenase gene responsible for isovaleric acidemia. <i>American Journal of Human Genetics</i> , 1991 , 49, 147-57	11	20
48	Leber hereditary optic neuropathy: identification of the same mitochondrial ND1 mutation in six pedigrees. <i>American Journal of Human Genetics</i> , 1991 , 49, 939-50	11	291
47	A high proportion of ADA point mutations associated with a specific alanine-to-valine substitution. <i>American Journal of Human Genetics</i> , 1989 , 45, 354-61	11	20

46	Compound heterozygosity for missense (L156P) and nonsense (R554X) mutations in the beta4 integrin gene (ITGB4) underlies mild, nonlethal phenotype of epidermolysis bullosa with pyloric atresia. <i>American Journal of Pathology</i> , 1998 , 152, 935-41	5.8	23
45	Hyperphenylalaninemia due to defects in tetrahydrobiopterin metabolism: molecular characterization of mutations in 6-pyruvoyl-tetrahydropterin synthase. <i>American Journal of Human Genetics</i> , 1994 , 54, 782-92	11	32
44	Patterns in protein primary sequences: classification, display and analysis. 1991 , 399-403		
43	Two novel myocilin mutations in a Chinese family with primary open-angle glaucoma. <i>Molecular Vision</i> , 2008 , 14, 1666-72	2.3	7
42	Myocilin mutations among primary open angle glaucoma patients of Kanyakumari district, South India. <i>Molecular Vision</i> , 2007 , 13, 497-503	2.3	12
41	Artificial Intelligence in Prediction of Secondary Protein Structure Using CB513 Database. <i>Summit on Translational Bioinformatics</i> , 2009 , 2009, 1-5		
40	Myocilin mutations among POAG patients from two populations of Tamil Nadu, South India, a comparative analysis. <i>Molecular Vision</i> , 2011 , 17, 3243-53	2.3	13
39	Domain characterization of rabbit skeletal muscle myosin light chain kinase. <i>Journal of Biological Chemistry</i> , 1990 , 265, 1724-30	5.4	37
38	In silico analysis and modeling of ACP-MIP-PilQ chimeric antigen from Neisseria meningitidis serogroup B. <i>Reports of Biochemistry and Molecular Biology</i> , 2015 , 4, 50-9	1.3	4
37	CTD kinase large subunit is encoded by CTK1, a gene required for normal growth of <i>Saccharomyces cerevisiae</i> . <i>Gene Expression</i> , 1991 , 1, 149-67	3.4	139
36	Overexpression, purification, and characterization of the ADP-ribosyltransferase (gpAlt) of bacteriophage T4: ADP-ribosylation of E. coli RNA polymerase modulates T4 "early" transcription. <i>Gene Expression</i> , 1995 , 4, 253-64	3.4	23
35	Artificial Intelligence in Medicine: Biochemical 3D Modeling and Drug Discovery. 2021 , 1-12		
34	Mining real-world high dimensional structured data in medicine and its use in decision support. Some different perspectives on unknowns, interdependency, and distinguishability.. <i>Computers in Biology and Medicine</i> , 2021 , 141, 105118	7	1
33	Fusion of BLAST and Ensemble of Classifiers for Protein Secondary Structure Prediction. 2020 ,		1
32	The Linker Region Promotes Activity and Binding Efficiency of Modular LPMO towards Polymeric Substrate.. <i>Microbiology Spectrum</i> , 2022 , e0269721	8.9	2
31	In silico Design and Characterization of Multi-epitopes Vaccine for SARS-CoV2 from Its Spike Protein.. <i>International Journal of Peptide Research and Therapeutics</i> , 2022 , 28, 37	2.1	
30	De novo protein folding on computers. Benefits and challenges.. <i>Computers in Biology and Medicine</i> , 2022 , 143, 105292	7	2
29	Beta-and gamma-turns in proteins revisited: a new set of amino acid turn-type dependent positional preferences and potentials. <i>Journal of Biosciences</i> , 2000 , 25, 143-56	2.3	41

28	Artificial Intelligence in Medicine: Biochemical 3D Modeling and Drug Discovery. 2022 , 661-672		
27	Novel PTH gene mutations causing isolated hypoparathyroidism.. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022 ,	5.6	
26	Lightweight ProteinUnet2 network for protein secondary structure prediction: a step towards proper evaluation.. <i>BMC Bioinformatics</i> , 2022 , 23, 100	3.6	0
25	Structural and functional characterization of a hypothetical protein in the RD7 region in clinical isolates of Mycobacterium tuberculosis - an in silico approach to candidate vaccines.. <i>Journal of Genetic Engineering and Biotechnology</i> , 2022 , 20, 55	3.1	0
24	Combining GCN and Bi-LSTM for Protein Secondary Structure Prediction. 2021 ,		0
23	Protein Secondary Structure Detection without Alignment by Recurrent Neural Network with LSTM. 2021 ,		
22	Empirical Study of Protein Feature Representation on Deep Belief Networks Trained with Small Data for Secondary Structure Prediction.. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2022 , PP,	3	
21	Current views on chloroplast protein import and hypotheses on the origin of the transport mechanism. <i>Journal of Bioenergetics and Biomembranes</i> , 1990 , 22, 789-810	3.7	30
20	Overlapping synthetic peptides as a tool to map protein-protein interactions FSH as a model system of nonadditive interactions.. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2022 , 130153	4	0
19	Methyl directed DNA mismatch repair in <i>Vibrio cholerae</i> . <i>Journal of Biosciences</i> , 1994 , 19, 557-564	2.3	
18	Identification of a conservative site in the African swine fever virus p54 protein and its preliminary application in a serological assay. <i>Journal of Veterinary Science</i> , 23,	1.6	0
17	Intrinsic and extrinsic regulators of Aux/IAA protein degradation dynamics. <i>Trends in Biochemical Sciences</i> , 2022 ,	10.3	1
16	Prediction of protein secondary structure based on an improved channel attention and multiscale convolution module. <i>Frontiers in Bioengineering and Biotechnology</i> , 10,	5.8	
15	In silico structural homology modeling and functional characterization of Mycoplasma gallisepticum variable lipoprotein hemagglutinin proteins. 9,		
14	Propensities of Some Amino Acid Pairings in α -Helices Vary with Length.		0
13	Research progress on quality deterioration mechanism and control technology of frozen muscle foods.		2
12	Evaluating EcxR for Its Possible Role in <i>Ehrlichia chaffeensis</i> Gene Regulation. 2022 , 23, 12719		0
11	Cloning and characterization of AiiA, an acylhomoserine lactonase from <i>Bacillus cereus</i> RC1 to control soft rot causing pathogen <i>Lelliottia amnigena</i> RCE. 2022 , 204,		0

10	Spectroscopic methods to study protein folding kinetics: Methodology, data analysis, and interpretation of the results. 2023 , 357-374	0
9	Deep learning for protein secondary structure prediction: Pre and post-AlphaFold. 2022 ,	1
8	Convolutional ProteinUnetLM competitive with long short-term memory-based protein secondary structure predictors.	0
7	Discriminative Graph Representation Learning with Distributed Sampling. 2022 ,	0
6	RCSB Protein Data Bank: Efficient Searching and Simultaneous Access to One Million Computed Structure Models Alongside the PDB Structures Enabled by Architectural Advances. 2023 , 167994	0
5	Controlling Amyloid Beta Peptide Aggregation and Toxicity by Protease-Stable Ligands. 2023 , 3, 158-173	0
4	Aggregation Limiting Cell-Penetrating Peptides Derived from Protein Signal Sequences. 2023 , 24, 4277	0
3	Biophysical Reviews: Turning the page from 2022 to 2023. 2023 , 15, 1-11	0
2	B and T Cell Epitopes of the Incursionary Foot-and-Mouth Disease Virus Serotype SAT2 for Vaccine Development. 2023 , 15, 797	0
1	Designing a multi-epitope vaccine against chickenpox virus using in silico approach.	0