

Recently Published Papers in the Field of Molecular Evolution

Biochemical and Biophysical Research Communications

79 No. 3 1977

Amino Terminal Sequences of the Precursors of Ovine Caseins. Gaye, P. et al. (Laboratoire de Physiologie de la Lactation, I.N.R.A.—C.N.R.Z., 78350 Jouy-en-Josas, France) — p. 903

The Amino-Terminal Sequence of Silk Fibroin Peptide Cp — a Reinvestigation. Strydom, D.J. et al. (National Chemical Research Laboratory, Council for Scientific and Industrial Research, P.O. Box 395, Pretoria, 0001, South Africa) — p. 932

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The Amino Acid Sequence of Human APOA-I, an Apolipoprotein Isolated from High Density Lipoproteins. Brewer, H.B. et al. (Molecular Disease Branch, National Heart, Lung, and Blood Institute, National Institutes of Health, Bethesda, MD 20014, U.S.A.) — p. 623

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Isolation and Amino-Terminal Sequence Analysis of a New Pancreatic Trypsinogen of the African Lungfish *Protopterus aethiopicus*. de Haën, C. et al. (Department of Biochemistry, University of Washington, Seattle, Washington 98 195) — p. 4421

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Amino Acid Sequence of the Small Core Protein from Bacteriophage ϕ X174. Freymeyer II, D.K. et al. (Department of Bacteriology and Immunology, School of Medicine, University of North Carolina, Chapel Hill, N.C. 27514) — p. 4550

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Hemoglobin Raleigh (β 1 Valine \rightarrow Acetylalanine). Structural and Functional Characterization. Moo-Penn, W.F. et al. (Hematology Division, Center for Disease Control, U.S. Public Health Service, Atlanta, Georgia 30333) — p. 4872

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Complete Primary Structure of the Major Component Myoglobin of Pacific Common Dolphin (*Delphinus delphis*). Wang, C.-C. et al. (Department of Chemistry, Indiana University, Bloomington, Indiana 47401) – p. 4978

Covalent Structure of Cartilage Collagen. Amino Acid Sequence of Residues 363–551 of Bovine $\alpha 1(\text{II})$ Chains. Butler, W.T. et al. (Institute of Dental Research and Department of Biochemistry, University of Alabama in Birmingham, University Station, Birmingham, Alabama 35294) – p. 4981

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By-Product Analogues for Bovine Carboxypeptidase B. McKay, T.J. and Plummer, Jr., T.H. (Division of Laboratories and Research, New York State Department of Health, Albany, New York 12201) – p. 401

Neisseria Pili Proteins: Amino-Terminal Amino Acid Sequences and Identification of an Unusual Amino Acid. Hermodson, M.A. et al. (Division of Medical Genetics and Departments of Pathology and Medicine, University of Washington) – p.442

Primary Structure of *Escherichia coli* Ribosomal Protein L31. Brosius, J. (Max-Planck Institut für Molekulare Genetik, Abt. Wittman, Berlin-Dahlem, West Germany) – p.501

Primary Structure of Protein L19 from the Large Subunit of *Escherichia coli* Ribosomes. Brosius, J. and Arfsten, U. (Max-Planck Institut für Molekulare Genetik, Abt. Wittmann, Berlin-Dahlem, West Germany) -- p. 508

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The Primary Structure of Rabbit, Calf and Bovine Liver tRNA^{Phe}. Keith, G. and Dirheimer, G. (Laboratoire de Biochimie, Institut de Biologie Moléculaire et Cellulaire du CNRS, 15 rue Descartes, 67084 Strasbourg) – p. 133

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Comparison of the Histones from Fish Erythrocytes. Miki, B.L.A. and Neelin, J.M. (Department of Biology, Carleton University, Ottawa, Ont., Canada K1S 5B6) – p. 1220

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Structure and Function of Initiator Methionine tRNA from the Mitochondria of *Neurospora crassa*. Heckman, J.E. et al. (Department of Biology, Massachusetts Institute of Technology, Cambridge, Massachusetts 02139) – p. 83

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N-Terminal Sequence Analysis of Chicken Pepsinogen and Pepsin. Kostka, V. et al. (Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, 166 10 Prague 6) – p. 3691

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Haemoglobin in the Australian Anostracan *Parartemia zietziana*: Evolutionary Strategies of Conformity vs Regulation. Manwell, C. (Department of Zoology, University of Adelaide, South Australia 5001) – p. 37

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The Structure of Mitochondrial Aspartate Aminotransferase from Pig Heart and Comparison with that of the Cytoplasmic Isozyme. Barra, D. et al. (Istituto di Chimica Biologica, Università di Roma) – p. 241

Haemoglobin Sherwood Forest β 104 (G6) Arg \rightarrow Thr. Ryrie, D.R. et al. (Haematology Department, City Hospital, Nottingham NG5 1PD) – p. 260

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A Revised Sequence for *Bacillus stearothermophilus* Phenylalanine tRNA. Keith, G. et al. (Institut de Biologie Moléculaire et Cellulaire du CNRS associé à l'Université Louis Pasteur, 15 Rue Descartes 67000 Strasbourg, France) – p. 241

Toxin III from *Anemonia sulcata*: Primary Structure. Martinez, G. et al. (Laboratoire de Biochimie, Faculté de Médecine Secteur Nord, 13326 Marseille Cédex 3) – p. 247

Cyanogen Bromide Peptide from Bovine Cardiac Myosin Containing Two Essential Thiols. Evidence for Sequence Homology with Skeletal Myosin in the Region of the Active Site. Flink, I.L. et al. (Departments of Internal Medicine and Pharmacology, University of Arizona Health Science Center, Tuscon, Arizona 85724) – p. 261

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The Primary Structure of L11, the Most Heavily Methylated Protein from *Escherichia coli* Ribosomes. Dognin, M.J. and Wittmann-Liebold, B. (Max-Planck-Institut für Molekulare Genetik, Abt. Wittmann, Berlin-Dahlem, Germany) — p. 342

The Primary Structure of Protein L15 Located at the Peptidyltransferase Center of *Escherichia coli* Ribosomes. Giorginis, S. and Chen, R. (Max-Planck-Institut für Molekulare Genetik, Abt. Wittmann, Berlin-Dahlem, Germany) — p. 347

Primary Structure of Bean Chloroplastic tRNA^{Phe}. Comparison with Euglena Chloroplastic tRNA^{Phe}. Guillemaut, P. and Keith, G. (Institut de Biologie Moléculaire et Cellulaire du CNRS, 15 rue Descartes, 67084 Strasbourg Cédex, France) — p. 351

Taipoxin, an Extremely Potent Presynaptic Snake Venom Neurotoxin. Elucidation of the Primary Structure of the Acidic Carbohydrate-Containing Taipoxin-Subunit, a Prophospholipase Homolog. Fohlman, J. et al. (Institute of Biochemistry, University of Uppsala, Box 576, S-751 23 Uppsala, Sweden) — p. 367

Hemoglobin J Lome β 59 (E3) Lys \rightarrow Asn. A New Fast Moving Variant Found in a Togolese. Wajcman, H. et al. (Institut de Pathologie Moléculaire INSERM, 24, Rue du Faubourg Saint-Jacques, 75014 Paris, France) — p. 372

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Rapid Evolutionary Divergence of Proteins in Mammalian Mitochondrial Ribosomes. Matthews, D.E. et al. (Department of Biochemistry, and Molecular Biology, University of Florida, Gainesville, FL 32610, USA) — p. 76

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The Amino Acid Sequence of *Clostridium pasteurianum* Iron Protein, a Component of Nitrogenase. I. Tryptic Peptides. Tanaka, M. et al. (Department of Biochemistry-Biophysics, University of Hawaii, John A. Burns Medical School, Honolulu, Hawaii 96822) – p. 7081

The Amino Acid Sequence of *Clostridium pasteurianum* Iron Protein, a Component of Nitrogenase. II. Cyanogen Bromide Peptides. Tanaka, M. et al. (Department of Biochemistry-Biophysics, University of Hawaii Medical School, Honolulu, Hawaii 96822) – p. 7089

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Immunoglobulin Structure and Genetics. Identity Variable Regions of A μ and A γ^2 Chain. Wang, A.-C. et al. (Department of Basic and Clinical Immunology and Microbiology, Medical University of South Carolina, Charleston, South Carolina 29401) – p. 7192

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Sequence of the A-Protein of Coliphage MS2. III. Isolation and Sequence Determination of Thermolytic Peptides and Soluble Cyanogen Bromide Fragments: Alignment of 363 Amino Acid Residues of a Total of 393. Vandekerckhove, J.S. and Van Montagu, M.C. (Institute of Histology and Genetics, State University Ghent, Ledeganckstraat 35, B-9000 Ghent, Belgium) – p. 7773

Nicotinamide Adenine Dinucleotide-specific Glutamate Dehydrogenase of *Neurospora*. IV. The COOH-Terminal 669 Residues of the Peptide Chain; Comparison with Other Glutamate Dehydrogenases. Austen, B.M. et al. (Department of Biological Chemistry, UCLA School of Medicine, University of California, Los Angeles, California 90024) – p. 8142

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The Phenomenon of Formation of Prebiological Compounds in Volcanic Processes. Markhinin, E.K. and Podkletnov, N.E. (U.S.S.R. Institute of Volcanology, Far-Eastern Scientific Centre of the Academy of Sciences, Petropavlovsk-Kamchatski, U.S.S.R.) – p. 225

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