

Recently Published Papers in the Field of Molecular Evolution

PRIMARY STRUCTURES OF NUCLEIC ACIDS

Biochemistry

22 No. 5 1983

Structure of a cDNA for the Pro α 2 Chain of Human Type I Procollagen. Comparison with Chick cDNA for Pro α 2(I) Identifies Structurally Conserved Features of the Protein and the Gene. Bernard, M. P. et al. (Piscataway, USA) - p. 1139

22 No. 7 1983

Cloning and Sequencing of a Deoxyribonucleic Acid Copy of Glyceraldehyde-3-Phosphate Dehydrogenase Messenger Ribonucleic Acid Isolated from Chicken Muscle. Dugaiczkyk, A. et al. (Houston, USA) - p. 1605

EMBO Journal

2 No. 2 1983

The Promoter Region of the *arg3* Gene in *Saccharomyces cerevisiae*: Nucleotide Sequence and Regulation in an *arg3-lacZ* Gene Fusion. Crabeel, M. et al. (Brussels, Belgium) - p. 205

Mouse Histocompatibility Genes: Structure and Organisation of a K^d Gene. Kvist, S. et al. (Heidelberg, FRG) - p. 245

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Complete Sequence of an HLA-DR β Chain Deduced from a cDNA Clone and Identification of Multiple Non-Allelic DR β Chain Genes. Long, E. O. et al. (Geneva, Switzerland) - p. 389

The Structure of an Unusual Leghemoglobin Gene from Soybean. Wiborg, O. et al. (Aarhus, Denmark) - p. 449

The DNA Sequence of the H-2 K^b Gene: Evidence for Gene Conversion as a Mechanism for the Generation of Polymorphism in Histocompatibility Antigens. Weiss, E. et al. (London, England) - p. 453

The Journal of Biological Chemistry

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The Isolation, Characterization, and Sequence of the Pyruvate Kinase Gene of *Saccharomyces cerevisiae*. Burke, R. L. et al. (Emeryville, USA) - p. 2193

Cloning and Nucleotide Sequence Analysis of the Dog Insulin Gene. Coded Amino Acid Sequence of Canine Preproinsulin Predicts an Additional C-Peptide Fragment. Kwok, S. C. M. et al. (Chicago, USA) - p. 2357

A Family of Repeated DNA Sequences, One of Which Resides in the Second Intervening Sequence of the Mouse Dihydrofolate Reductase Gene. Feagin, J. E. et al. (Stanford, USA) - p. 2480

Nucleotide Sequence of the Yeast Alcohol Dehydrogenase II Gene. Russell, D. W. et al. (Vancouver, Canada) - p. 2674

258 No. 5 1983

Complete Nucleotide Sequence of the Metapyrocatechase Gene on the TOL Plasmid of *Pseudomonas putida* mt-2. Nakai, C. et al. (Ohtsu, Japan) - p. 2923

Nucleotide Sequence of the *metL* Gene of *Escherichia coli*. Its Product, the Bifunctional Aspartokinase II-Homoserine Dehydrogenase II, and the Bifunctional Product of the *thrA* Gene, Aspartokinase I-Homoserine Dehydrogenase I, Derive from a Common Ancestor. Zakim, M. M. et al. (Paris, France) - p. 3028

Anglerfish Islet Pre-proglucagon II. Nucleotide and Corresponding Amino Acid Sequence of the cDNA. Lund, P. K. et al.

(Boston, USA) - p. 3280

The Nucleotide Sequence of Rat Liver Fatty Acid Binding Protein mRNA. Gordon, J. I. et al. (St. Louis, USA) - p. 3356

258 No. 6 1983

Two Structurally Different Genes Produce the Same Secreted Human Placental Lactogen Hormone. Barrera-Saldana, H. A. et al. (Houston, USA) - p. 3787

Analysis of the Adult Chicken β -Globin Gene. Nucleotide Sequence of the Locus, Microheterogeneity at the 5'-End of β -Globin mRNA, and Aberrant Nuclear RNA Species. Dolan, M. et al. (Evanston, USA) - p. 3983

258 No. 7 1983

Structural Properties of the β Origin of Replication of Plasmid R6K. Shafferman, A. and Helinski, D. R. (La Jolla, USA) - p. 4083

A Family of Repetitive Palindromic Sequences Found in *Neurospora* Mitochondrial DNA Is also Found in a Mitochondrial Plasmid DNA. Nargang, F. E. et al. (Alberta, Canada) - p. 4257

The 5' Noncoding and Flanking Regions of the Avian Very Low Density Apolipoprotein II and Serum Albumin Genes. Homologies with the Egg White Protein Genes. Hache, R. J. G. et al. (Ontario, Canada) - p. 4556

The Nucleotide Sequence of the Adult Chicken α -Globin Genes. Dodgson, J. B. and Engel, J. D. (East Lansing, USA) - p. 4623

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DNA Restriction-Modification Genes of Phage P1 and Plasmid p15B. Structure and *in Vitro* Transcription. Iida, S. et al. (Basel, Switzerland) - p. 1

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Nucleotide Sequence of the Lysozyme Gene of Bacteriophage T4. Analysis of Mutations Involving Repeated Sequences. Owen, J. E. et al. (Eugene, USA) - p. 229

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Using Iodinated Single-Stranded M13 Probes to Facilitate Rapid DNA Sequence Analysis - Nucleotide Sequence of a Mouse Lysine tRNA Gene. Han, J. H. and Harding, J. D. (New York, USA) - p. 2053

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11 No. 8 1983

Compilation and Analysis of *Escherichia coli* Promoter DNA Sequences. Hawley, D. K. and McClure, W. R. (Pittsburgh, USA) - p. 2237

The Uteroglobin Gene Region: Hormonal Regulation, Repetitive Elements and Complete Nucleotide Sequence of the Gene. Suske, G. et al. (Marburg, FRG) - p. 2257

The Vicilin Gene Family of Pea (*Pisum sativum* L.): a Complete cDNA Coding Sequence for Preprovicillin. Lycett, G. W. et al. (Durham, England) - p. 2367

Transfer RNA Genes in *Drosophila* Mitochondrial DNA: Related 5' Flanking Sequences and Comparisons to Mammalian Mitochondrial tRNA Genes. Clary, D.O. et al. (Salt Lake City, USA) - p. 2411

Molecular Structure and Function of the Bacteriocin Gene and Bacteriocin Protein of Plasmid Clo DF13. Van den Elzen, P. J. M. et al. (Amsterdam, The Netherlands) - p. 2465

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80 No. 5 1983

Chromosomal Replication Origin from the Marine Bacterium *Vibrio Harveyi* Functions in *Escherichia coli*: *oriC* Consensus Sequence. Zyskind, J. W. et al. (La Jolla, USA) - p. 1164

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Homologous Upstream Sequences Near Epstein-Barr Virus Promoters. Farrell, P. J. et al. (Cambridge, UK) - p. 1565

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Isolation and Sequence of the Gene for the Large Subunit of Ribulose-1,5-Bisphosphate Carboxylase from the Cyanobacterium *Anabaena* 7120. Curtis, S. E. and Haselkorn, R. (Chicago, USA) - p. 1835

Isolation and Sequence Characterization of a cDNA Clone of Human Antithrombin III. Chandra, T. et al. (Houston, USA) - p. 1845

Complete Nucleotide Sequence of a French Bean Storage Protein Gene: Phaseolin. Slightom, J. L. et al. (Madison, USA) - p. 1897

Novel B Family Sequence from an Early Chorion cDNA Library of *Bombix mori*. Lecanidou, R. et al. (Cambridge, USA) - p. 1955

Sequences Related to HLA-DR α Chain on Human Chromosome 6: Restriction Enzyme Polymorphism Detected with DCA Chain Probes. Trowsdale, J. et al. (London, UK) - p. 1972

Comparison of the Cloned H-2K^{bml} Variant Gene with the H-2K^b Gene Shows a Cluster of Seven Nucleotide Differences. Schulze, D. H. et al. (Bronx, USA) - p. 2007

Complete mRNA Coding Sequence of the Acetylcholine Binding α -Subunit of *Torpedo marmorata* Acetylcholine Receptor: A Model for the Transmembrane Organization of the Polypeptide Chain. Devillers-Thiery, A. et al. (Paris, France) - p. 2067

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Cloning of cDNA Encoding the Pre-B Subunit of Mouse Thyrotropin. Gurr, J. A. et al. (New York, USA) - p. 2122

Nucleotide Sequence of the Human Parathyroid Hormone Gene. Vasicek, T. J. et al. (Boston, USA) - p. 2127

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PRIMARY STRUCTURES OF PROTEINS

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744 No. 1 1983

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Compiled by L. Träger