

Recently Published Papers in the Field of Molecular Evolution

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A Use for Principal Coordinate Analysis in the Comparison of Protein Sequences. Woolley, K.J. and Athalye, M. (Edinburgh, UK) - p. 808 [293]

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Evolutionary Similarity Among Peptide Segments Is a Basis for Prediction of Protein Folding. Sweet, R.M. (Upton, USA) - p. 1565 [294]

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On the Antiquity of Introns. Gilbert, W. et al. (Cambridge, USA) - p. 151 [295]

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Natural Selection Versus Primitive Gene Structure as Determinant of Codon Usage. Wong, J.T.-F. and Cedergren, R. (Toronto, Canada) - p. 175 [296]

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Protein Structures and Neutral Theory of Evolution. Pritsyn, O.B. and Volkenstein, M.V. (Pushchino, USSR) - p. 137 [297]

The Journal of Heredity

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On the Virtues and Pitfalls of the Molecular Evolutionary Clock. Ayala, F.J. (Davis, USA) - p. 226 [298]

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Introns as Relict Retrotransposons: Implication for the Evolutionary Origin of Eukaryotic mRNA Splicing Mechanisms. Hickey, D.A. and Benkel, B. (Ottawa, Canada) - p. 283 [299]

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Genetic Code Redundancy and Its Differential Influence on the Evolution of Protein Interiors Versus Exteriors. Dufton, M.J. (Glasgow, UK) - p. 231 [300]

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Chemical Evolution of Iron Containing Enzymes: Mixed Ligand Complexes of Iron as Intermediary Steps. Kamaluddin, M.S. and Deopujari, S.W. (Uttar Pradesh, India) - p. 59 [308]

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Nuclear and Mitochondrial DNA Comparisons Reveal Extreme Rate Variation in the Molecular Clock. Vawter, L. and Brown, W.M. (Ann Arbor, USA) - p. 194 [310]

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Regulated Splicing Produces Different Forms of DOPA Decarboxylase in the Central Nervous System and Hypoderm of *Drosophila melanogaster*. Morgan, B.A. et al. (Boston, USA) - p. 3335 [411]

Regulatory Sequences in the Promoter of the *Dictyostelium* Actin 6. Nellen, W. et al. (La Jolla, USA) - p. 3367 [412]

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The Virulent Satellite RNA of Turnip Crinkle Virus Has a Major Domain Homologous to the 3' End of the Helper Virus Genome. Simon, A.E. and Howell, S.H. (La Jolla, USA) - p. 3423 [413]

The Complete Sequence and Structural Analysis of Human Apolipoprotein B-100: Relationship Between apoB-100 and apoB-48 Forms. Cladaras, C. et al. (Boston, USA) - p. 3495 [414]

Selective Radiolabeling and Identification of a Strong Nucleosome Binding Site on the Globular Domain of Histone H5. Thomas, J.O. and Wilson, C.M. (Cambridge, UK) - p. 3531 [415]

Xenopus myc Proto-Oncogene During Development: Expression as a Stable Maternal mRNA Uncoupled from Cell Division. Taylor, M.V. et al. (Paris, France) - p. 3563 [416]

Sequence Conservation in the Protein Coding and Intron Regions of the *angrailed* Transcription Unit. Kassis, J.A. et al. (San Francisco, USA) - p. 3583 [417]

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Phylogenetic Evidence for the Acquisition of Ribosomal RNA Introns Subsequent to the Divergence of Some of the Major *Tetrahymena* Groups. Sogin, M.L. et al. (Denver, USA) - p. 3625 [420]

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Inducible Cephalosporinase Production in Clinical Isolates of *Enterobacter cloacae* is Controlled by a Regulatory Gene that Has been Deleted from *Escherichia coli*. Honore, N. et al. (Paris, France) - p. 3709 [422]

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Structure and *in vitro* Transcription of tRNA Gene Clusters Containing the Primers of MuLV Reverse Transcriptase. Russo, T. et al. (Napoli, Italy) - p. 437 [423]

A Transcription Terminator in the 5' Non-Coding Region of the Tyrosyl tRNA Synthetase Gene from *Bacillus stearothermophilus*. Waye, M.M.Y. and Winter, G. (Cambridge, UK) - p. 505 [424]

Nucleotide Sequence of the *pntA* and *pntB* Genes Encoding the Pyridine Nucleotide Transhydrogenase of *Escherichia coli*. Clarke, D.M. et al. (Vancouver, Canada) - p. 647 [425]

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Tarantula Hemocyanin mRNA. *In vitro* Translation, cDNA Cloning and Nucleotide Sequence Corresponding to Subunit α . Voit, R. and Schneider, H.-J. (München, FRG) - p. 23 [426]

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The γ_1 and γ_2 Subunits of Human Liver Alcohol Dehydrogenase. cDNA Structures, Two Amino Acid Replacements, and Compatibility With Changes in the Enzymatic Properties. Höög, J.-O. et al. (Stockholm, Sweden) - p. 215 [427]

Structure and Drug Inducibility of the Human Cytochrome P-450c Gene. Kawajiri, K. et al. (Saitama, Japan) - p. 219 [428]

Prokaryotic Features of a Nucleus-Encoded Enzyme. cDNA Sequences for Chloroplast and Cytosolic Glyceroldehyde-3-Phosphate Dehydrogenases from Mustard (*Sinapis alba*). Martin, W. and Cerff, R. (Hannover, FRG) - p. 323 [429]

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The Mouse Myoglobin Gene. Characterisation and Sequence Comparison with Other Mammalian Myoglobin Genes. Blanchetot, A. et al. (Montpellier, France) - p. 469 [431]

Molecular Cloning and Sequencing of Salmon Gonadotropin β Subunit. Trinh, X.-Y. et al. (Toronto, Canada) - p. 619 [432]

Structural Analysis of the Sequence Coding for an Inducible 26-kDa Protein in Human Fibroblasts. Haegeman, G. et al. (Gent, Belgium) - p. 625 [433]

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Molecular Cloning and Expression of cDNA for Human Anti-leukoprotease from Cervix Uterus. Heinzel, R. et al. (Darmstadt, FRG) - p. 61 [434]

Nucleotide Sequence of the Structural Gene for Dihydroorotase of *Escherichia coli* K12. Backström, D. et al. (Göteborg, Sweden) - p. 77 [435]

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Nucleotide Sequence of the *pbpA* Gene and Characteristics of the Deduced Amino Acid Sequence of Penicillin-Binding Protein 2 of *Escherichia coli* K12. Asoh, S. et al. (Tokyo, Japan) - p. 231 [436]

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Partial Characterization of the Human β -Myosin Heavy-Chain Gene which is Expressed in Heart and Skeletal Muscle. Lichter, P. et al. (Heidelberg, FRG) - p. 419 [438]

Nucleotide Sequence and Characteristics of the Gene for L-Lactate Dehydrogenase of *Thermus caldophilus* GK24 and the Deduced Amino-Acid Sequence of the Enzyme. Kunai, K. et al. (Tokyo, Japan) - p. 433 [439]

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Nucleotide Sequence of the *Saccharomyces cerevisiae* CTF1 Gene and Deduced Amino-Acid Sequence of Yeast Catalase T. Hartig, A. and Ruis, H. (Wien, Austria) - p. 487 [440]

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β -Subunits of the Human Liver G/G₁ Signal-Transducing Proteins and Those of Bovine Retinal Rod Cell Transducin are Identical. Codina, J. et al. (Houston, USA) - p. 187 [458]

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Nucleotide Sequence Analysis of the Phosphomannose Isomerase Gene (*pmi*) of *Pseudomonas aeruginosa* and Comparison with the Corresponding *Escherichia coli* Gene *manA*. Darzins, A. et al. (Chicago, USA) - p. 293 [474]

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The *nodI* Gene Product of *Rhizobium leguminosarum* is Closely Related to ATP-Binding Bacterial Transport Proteins; Nucleotide Sequence of the *nodI* and *nodJ* Genes. Evans, I.J. and Downie, J.A. (Slough, UK) - p. 95 [477]

Structure and Expression of a New Murine Interferon- α Gene: MuIFN- α 9. Seif, I. and DeMaeyer-Guignard, J. (Orsay, France) - p. 111 [478]

Nucleotide Sequence and Transcription of a Human Glycine tRNA^{GCC} Gene and Nearby Pseudogene. Pirtle, I.L. et al. (Denton, USA) - p. 155 [479]

Nucleotide Sequence of the Split tRNA^{Leu} (UAA) Gene from *Sorghum bicolor* Chloroplasts. Ma, D.P. and Doobley, J. (College Station, USA) - p. 169 [480]

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Nucleotide Sequence and Deduced Amino Acid Sequence of *Escherichia coli* Adenine Phosphoribosyltransferase and Comparison with Other Analogous Enzymes. Hershay, H.V. and Tylor, M.W. (Bloomington, USA) - p. 287 [485]

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The Sequence of the Chloroplast *atpB* Gene and its Flanking Regions in *Chlamydomonas reinhardtii*. Woessner, J.F. et al. (Durham, USA) - p. 17 [486]

Nucleotide Sequence of the Right Early Region of *Bacillus subtilis* Phage PZA Completes the 19366-bp Sequence of PZA Genome. Comparison with the Homologous Sequence of Phage ϕ 29. Paces, V. et al. (Prague, Czechoslovakia) - p. 115 [487]

Nucleotide Sequence of the Alkaline Phosphatase Gene of *Escherichia coli*. Chang, C.N. et al. (San Francisco, USA) - p. 121 [488]

Molecular Cloning and Nucleotide Sequence of Human α Acid Glycoprotein cDNA. Board, P.G. et al. (Canberra, Australia) - p. 127 [489]

Neurospora crassa Ribosomal DNA: Sequence of Internal Transcribed Spacer and Comparison with *N. intermedia* and *N. sitophila*. Chambers, C. et al. (Washington, USA) - p. 159 [490]

44 No. 2/3 1986

Nucleotide Sequence of the Regulatory Gene *xyIS* on the *Pseudomonas putida* TOL Plasmid and Identification of the Protein Product. Inouye, S. et al. (Yamaguchi, Japan) - p. 235 [491]

Paramecium Mitochondrial DNA Sequence and RNA Transcripts for Cytochrome Oxidase Subunit I, URF1, and Three ORFs Adjacent to the Replication Origin. Pritchard, A.E. et al. (Denver, USA) - p. 243 [492]

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Characterization and Structure of an Endoglucanase Gene *ena* of *Cellulomonas fimi*. Wong, W.K.R. et al. (Vancouver, Canada) - p. 315 [495]

45 No. 1 1986

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45 No. 2 1986

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Nucleotide Sequence of a cDNA Clone Encoding a *Drosophila* Muscle Tropomyosin II Isoform. Hanke, P.D. and Storti, R.V. (Chicago, USA) - p. 211 [499]

Nucleotide Sequence of the Sucrase Gene of *Bacillus subtilis*. Pouet, A. et al. (Paris, France) - p. 221 [500]

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Nucleotide Sequence of the *Erwinia chrysanthemi* NCPPB 1066 L-Asparaginase Gene. Minton, N.P. et al. (Salisbury, UK) - p. 25 [501]

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Cloning, Expression and Complete Nucleotide Sequence of the *Bacillus stearothermophilus* L-Lactate Dehydrogenase Gene. Barstow, D.A. et al. (Salisbury, UK) - p. 47 [503]

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Homology Between Cellulase Genes of *Trichoderma reesei*; Complete Nucleotide Sequence of the Endoglucanase I Gene. Penttilä, M. et al. (Espoo, Finland) - p. 253 [504]

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Primary Structure of the α -Subunit of Human Na,K-ATPase Deduced from cDNA Sequence. Kawakami, K. et al. (Tochigi, Japan) - p. 389 [508]

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Cloning and Nucleotide Sequence of the Aspartase Gene of *Pseudomonas fluorescens*. Takagi, J.S. et al. (Kyoto, Japan) - p. 697 [509]

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Molecular Cloning and Sequence Analysis of Full-Length cDNA For Rabbit Liver NADPH-Cytochrome P-450 Reductase mRNA. Katagiri, M. et al. (Osaka, Japan) - p. 945 [512]

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Glutamyl-tRNA Synthetase of *Escherichia coli*. Isolation and Primary Structure of the *gltX* Gene and Homology with Other Aminoacyl-tRNA Synthetases. Breton, R. et al. (Quebec, Canada) - p. 10610 [515]

Nucleotide Sequence of the *purM* Gene Encoding 5'-Phosphoribosyl-5-Aminoimidazole Synthetase of *Escherichia coli* K12. Smith, J.M. and Daum, H.A. (Shreveport, USA) - p. 10632 [516]

Sequence of Two Related P-450 mRNAs Transcriptionally Increased During Rat Development. An *Rdre.1* Sequence Occupies the Complete 3' Untranslated Region of a Liver mRNA. Gonzalez, F.J. et al. (Bethesda, USA)-p.10667[517]

Nucleotide Sequence of the Gene for the Ferrienterochelin Receptor *FepA* in *Escherichia coli*. Homology Among Outer Membrane Receptors that Interact with TonB. Lundrigan, M.D. and Kadner, R.J. (Charlottesville, USA)-p.10797[518]

The Nucleotide Sequence of Three Genes Participating in the Adipose Differentiation of 3T3 Cells. Phillips, M. et al. (Boston, USA) - p. 10821 [519]

Isolation and Identification of a cDNA Clone of Rat Placental Lactogen II. Duckworth, M.L. et al. (Winnipeg, Canada) - p. 10871 [520]

Isolation of a Novel Prolactin-Like cDNA Clone from Developing Rat Placenta. Duckworth, M.L. et al. (Winnipeg, Canada) - p. 10879 [521]

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Pyridoxal 5'-Phosphate-Dependent Histidine Decarboxylase. Nucleotide Sequence of the *hdc* Gene and the Corresponding Amino Acid Sequence. Vaaler, G.L. et al. (Austin, USA) - p. 11010 [522]

Gene Structure, Protein Structure, and Regulation of the Synthesis of a Sulfur-Rich Protein in Pea Seeds. Higgins, T.J.V. et al. (Canberra, Australia) - p. 11124 [523]

Cloning and Structure of the *Bacillus subtilis* Aspartate Transcarbamylase Gene (*pyrB*). Lerner, C.G. and Switzer, R.L. (Urbana, USA) - p. 11156 [524]

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Transcription Unit of the Chicken Histone H5 Gene and Mapping of H5 Pre-mRNA Sequences. Affolter, M. and Ruiz-Carrillo, A. (Quebec, Canada) - p. 11496 [525]

Mitochondrial DNA of Two Independent Oligomycin-Resistant Chinese Hamster Ovary Cell Lines Contains a Single Nucleotide Change in the ATPase 6 Gene. Braen, G.A.M. et al. (Richardson, USA) - p. 11680 [526]

Primary Structure of the Mouse Glycerol-3-Phosphate Dehydrogenase Gene. Ireland, R.C. et al. (Bar Harbor, USA) - p. 11779 [527]

Interferons as Gene Activators. Cloning of the 5' Terminus and the Control Segment of an Interferon Activated Gene. Samanta, H. et al. (New Haven, USA) - p. 11849 [528]

Preproglucagon Gene Expression in Pancreas and Intestine Diversifies at the Level of Post-Translational Processing. Mojsos, S. et al. (Boston, USA) - p. 11880 [529]

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Characterization, Sequence and Expression of the Cloned Human Neuropeptide Y Gene. Minth, C.D. et al. (West Lafayette, USA) - p. 11974 [530]

Structure, Expression, and Evolution of a Heat Shock Gene Locus in *Caenorhabditis elegans* that is Flanked by Repetitive Elements. Jones, D. et al. (Vancouver, Canada) - p. 12006 [531]

The Nucleotide Sequence of the *serA* Gene of *Escherichia coli* and the Amino Acid Sequence of the Encoded Protein, D-3-Phosphoglycerate Dehydrogenase. Tobey, K.L. and Grant, G.A. (St. Louis, USA) - p. 12179 [532]

Molecular Cloning, cDNA Structure, and Regulation of the Regulatory Subunit of Type II cAMP-Dependent Protein Kinase from Rat Ovarian Granulosa Cells. Jahnsen, T. et al. (Houston, USA) - p. 12352 [533]

Characterization of the Human β -Crystallin Gene Hu8A3/A1 Reveals Ancestral Relationships Among the β -Crystallin Superfamily. Hogg, D. et al. (Toronto, Canada) - p. 12420 [534]

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The Complete Nucleotide Sequence of the Structural Gene *TOP2* of Yeast Topoisomerase II. Giaever, G. et al. (Cambridge, USA) - p. 12448 [535]

Identification from cDNA of the Precursor Form of a Chondroitin Sulfate Proteoglycan Core Protein. Bourdon, M.A. et al. (La Jolla, USA) - p. 12534 [536]

Molecular Cloning of the cDNA for a Growth Factor-Inducible Gene with Strong Homology to S-100, a Calcium-Binding Protein. Calabretta, B. et al. (Philadelphia, USA) - p. 12628 [537]

Organization, Nucleotide Sequence, and Transcription of the Chicken HSP70 Gene. Morimoto, R.I. et al. (Evanston, USA) - p. 12692 [538]

Structure of the *lc* and *nmpC* Outer Membrane Porin Protein Genes of Lambdaoid Bacteriophage. Blasband, A.J. et al. (Charlottesville, USA) - p. 12723 [539]

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The Complete cDNA and Amino Acid Sequence of Human Apolipoprotein B-100. Chen, S.-H. et al. (Houston, USA) - p. 12918 [540]

cDNA Sequences from the α Subunit of the Fibronectin Receptor Predict a Transmembrane Domain and a Short Cytoplasmic Peptide. Argraves, W.S. et al. (La Jolla, USA) - p. 12922 [541]

Cloning, Expression, and Nucleotide Sequence of the Formate Dehydrogenase Genes from *Methanobacterium formicicum*. Shuber, A.P. et al. (Cambridge, USA) - p. 12942 [542]

Construction and Sequence of cDNA for Rat Liver Stearyl Coenzyme A Desaturase. Thieme, M.A. et al. (Farmington, USA) - p. 13230 [543]

Linkage, Evolution, and Expression of the Rat Apolipoprotein A-I, C-III, and A-IV Genes. Haddad, I.A. et al. (Boston, USA) - p. 13268 [544]

Sequence and Expression of the Chicken β 3 Tubulin Gene. A Vertebrate Testis β -Tubulin Isozyme. Sullivan, K.F. et al. (Baltimore, USA) - p. 13317 [545]

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Organization and Transcription of the Gluconate Operon, *gnt*, of *Bacillus subtilis*. Fujita, Y. et al. (Hamamatsu, Japan) - p. 13744 [546]

Structure and Expression of the Rat Apolipoprotein E Gene. Fung, W.-P. et al. (Parkville, Australia) - p. 13777 [547]

Rat Glutathione S-Transferases Supergene Family. Characterization of an Anionic Y₁ Subunit cDNA Clone. Lai, H.-C.J. and Tu, C.-P.D. (University Park, USA)-p.13793[548]

The M₁- and M₂-Type Isozymes of Rat Pyruvate Kinase are Produced from the Same Gene by Alternative RNA Splicing. Noguchi, T. et al. (Osaka, Japan)-p.13807[549]

The Role of the Polar, Carboxyl-Terminal Domain of *Escherichia coli* Leader Peptidase in Its Translocation Across the Plasma Membrane. Dalbey, R.E. and Wickner, W. (Los Angeles, USA) - p. 13844 [550]

Characterization of 5'-Flanking Region of Heart Myosin Light Chain 2A Gene. Structural and Functional Evidence for Promoter Activity. Zarraga, A.M. et al. (Nutley, USA) - p. 13852 [551]

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Rat Liver UDP-Glucuronosyltransferase. cDNA Sequence and Expression of a Form Glucuronidating 3-Hydroxyandrogens. Mackenzie, P.I. (Bethesda, USA) - p. 14112 [552]

Nucleotide Sequence of the Malate Dehydrogenase Gene of *Thermus flavus* and Its Mutation Directing an Increase in Enzyme Activity. Nishiyama, M. et al. (Tokyo, Japan) - p. 14178 [553]

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Structure of the Rapeseed 1.7 S Storage Protein, Napin, and Its Precursor. Ericson, M.L. et al. (Uppsala, Sweden) - p. 14576 [554]

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Primary Structure of the *Neurospora* Plasma Membrane H⁺-ATPase Deduced from the Gene Sequence. Homology to Na⁺/K⁺-, Ca²⁺-, and K⁺-ATPases. Addison, R. (New York, USA) - p. 14896 [556]

Escherichia coli Exonuclease VII. Cloning and Sequencing of the Gene Encoding the Large Subunit (*xseA*). Chase, J.W. et al. (Bronx, USA) - p. 14929 [557]

The Primary Structure and the Functional Domain of an Elongation Factor-1 α from *Mucor racemosus*. Linz, J.E. et al. (Irvine, USA) - p. 15022 [558]

Nucleotide Sequence of the Structural Gene for an Anion Pump. The Plasmid-Encoded Arsenical Resistance Operon. Chen, C.-M. et al. (St. Louis, USA) - p. 15030 [559]

Nuclear Genes Encoding the Yeast Mitochondrial ATPase Complex. Analysis of *ATP1* Coding the F₁-ATPase α -Subunit and Its Assembly. Takeda, M. et al. (Dallas, USA) - p. 15126 [560]

Cloning and Nucleotide Sequence of Wild Type and a Mutant Histidine Decarboxylase from *Lactobacillus* 30a. Vanderslice, P. et al. (Austin, USA) - p. 15186 [561]

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Evidence for a Second Isoform of the Catalytic Subunit of cAMP-Dependent Protein Kinase. Uhler, M.D. et al. (Seattle, USA) - p. 15360 [562]

Structure of the Human Apolipoprotein B Gene. Blackhart, B.D. et al. (San Francisco, USA) - p. 15364 [563]

Cloning and Characterization of cDNA Encoding 3-Methylcholanthrene Inducible Rat mRNA for UDP-Glucuronosyltransferase. Iyanagi, T. et al. (Tokyo, Japan) - p. 15607 [564]

Structure of an Antifreeze Polypeptide Precursor from the Sea Raven, *Hemirhamphus americanus*. Ng, N.P. et al. (Toronto, Canada) - p. 15690 [565]

Nucleotide Sequence and Transcriptional Initiation Site of Two *Pseudomonas aeruginosa* Pilin Genes. Johnson, K. et al. (Seattle, USA) - p. 15703 [566]

Purification and Structure of 3-Methyladenine-DNA Glycosylase I of *Escherichia coli*. Sakumi, K. et al. (Fukuoka, Japan) - p. 15761 [567]

Structure and Expression of the *alkB* Gene of *Escherichia coli* Related to the Repair of Alkylated DNA. Kondo, H. et al. (Fukuoka, Japan) - p. 15772 [568]

The Nucleotide and Partial Amino Acid Sequence of Toxic Shook Syndrome Toxin-1. Blomster-Hautamaa, D.A. et al. (Minneapolis, USA) - p. 15783 [569]

NAD(P)H:Menadiol Oxidoreductase. Novel Purification of Enzyme, cDNA and Complete Amino Acid Sequence, and Gene Regulation. Robertson, J.A. et al. (Bethesda, USA) - p. 15794 [570]

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Primary Structure of CTP:GMP-3-Deoxy-D-manno-Octulosonate Cytidyltransferase (CMP-KDO Synthetase) From *Escherichia coli*. Goldman, R.C. et al. (Abbott Park, USA) - p. 15831 [571]

Identification of a Second Mutation in the Protein-Coding Sequence of the Z Type α -Antitrypsin Gene. Nukiwa, T. et al. (Bethesda, USA) - p. 15889 [572]

Structure of the Gene for Mouse Thymidylate Synthase. Locations of Introns and Multiple Transcriptional Start Sites. Deng, T. et al. (Columbus, USA) - p. 16000 [573]

Chromosomal Protein HMG-14. Complete Human cDNA Sequence and Evidence for a Multigene Family. Landsman, D. et al. (Bethesda, USA) - p. 16082 [574]

Chromosomal Proteins HMG-14 and HMG-17. Distinct Multigene Families Coding for Similar Types of Transcripts. Landsman, D. and Bustin, M. (Bethesda, USA) - p. 16087 [575]

Biosynthesis of Bacterial Glycogen. Primary Structure of *Escherichia coli* ADP-Glucose: α -1,4-Glucan,4-Glucosyltransferase as Deduced from the Nucleotide Sequence of the *glgA* Gene. Kumar, A. et al. (East Lansing, USA)-p.16256[576]

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Compilation of Eukaryotic Sequences Around Transcription Initiation Sites. Nussinov, R. (Tel Aviv, Israel)-p.479[577]

Molecular Biology and Evolution

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Sequence of a cDNA for Mouse Thymidylate Synthase Reveals Striking Similarity with the Prokaryotic Enzyme. Perryman, S.M. et al. (Columbus, USA) - p. 313 [578]

Molecular Evolution of Mammalian Lactate Dehydrogenase-A Genes and Pseudogenes: Association of a Mouse Processed Pseudogene with a B1 Repetitive Sequence. Fukasawa, K.M. et al. (Research Triangle Park, USA) - p. 330 [579]

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Structure and Regulation of the Anthranilate Synthase Genes in *Pseudomonas aeruginosa*. I. Sequence of *trpG* Encoding the Glutamine Amidotransferase Subunit. Crawford, I.P. and Eberly, L. (Iowa City, USA) - p. 436 [580]

Molecular and Cellular Biology

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Primary Structure of Human Ribosomal Protein S14 and the Gene that Encodes It. Rhoads, D.R. et al. (Manhattan, USA) - p. 2774 [581]

Genetic Analysis of the Human Thymidine Kinase Gene Promoter. Kreidberg, J.A. and Kelly, T.J. (Baltimore, USA) - p. 2903 [582]

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Coding Sequence of a Ferredoxin Gene from *Anacystis nidulans* R2 (*Synechococcus* PCC7942). Van der Plas, J. et al. (Utrecht, NL) - p. 7804 [644]

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Small Tandemly Repeated DNA Sequences of Higher Plants Likely Originate from a tRNA Gene Ancestor. Bensalmane, A.A. et al. (Orsay, France) - p. 8111 [660]

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The Nucleotide Sequence of the *H-1^F* Gene of *Salmonella rubislaw*. Wei, L.-N. and Joys, T.M. (Lubbock, USA) - p. 8227 [665]

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Complete Nucleotide Sequence of *recD*, the Structural Gene for the α Subunit of Exonuclease V of *Escherichia coli*. Finch, P.W. et al. (Newcastle upon Tyne, UK) - p. 8583 [673]

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Sequence of the Gene for Alkaline Phosphatase from *Escherichia coli* JM83. Shuttleworth, H. et al. (Salisbury, UK) - p. 8689 [680]

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A Gene for the Major Cytoplasmic tRNA^{Tyr} from *Nicotiana glauca* Contains a 13 Nucleotide Long Intron. Stange, N. and Beier, H. (Würzburg, FRG) - p. 8691 [682]

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Cloning, Expression and Sequencing the Molybdenum-Pterin Binding Protein (*mop*) Gene of *Clostridium pasteurianum* in *Escherichia coli*. Hinton, S.M. and Freyer, G. (Cold Spring Harbor, USA) - p. 9371 [699]

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Three Small RNAs Within the 10 kb Trypanosome rRNA Transcription Unit are Analogous to Domain VII of Other Eukaryotic 28S rRNAs. White, T.C. et al. (Amsterdam, NL) - p. 9471 [701]

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Nucleotide Sequence of the Spinach Chloroplast 4.5S Ribosomal RNA Gene and of Its 5' Flanking Region Including the 3' End of the 23S rRNA Gene. Audran, H. and Mache, R. (Saint Martin d'Heres, France) - p. 9533 [706]

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Sequence of the *rbcl* Gene for the Large Subunit of Ribulose Biphosphate Carboxylase-Oxygenase from Alfalfa. Aldrich, J. et al. (Cleveland, USA) - p. 9535 [708]

Sequence of the Chloroplast-Encoded *psbA* Gene for the Q_B Polypeptide of *Petunia*. Aldrich, J. et al. (Cleveland, USA) - p. 9536 [709]

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Nucleotide Sequence and Organization of *dnaB* Gene and Neighbouring Genes on the *Bacillus subtilis* Chromosome. Ogasawara, N. et al. (Osaka, Japan) - p. 9989 [722]

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Identification of the Probable Site of Cholera-Catalyzed ADP-Ribosylation in a G_o-Like Protein Based on cDNA Sequence. Angus, C.W. et al. (Bethesda, USA) - p. 5813 [732]

Inhibin A-Subunit cDNAs from Porcine Ovary and Human Placenta. Mayo, K.E. et al. (San Diego, USA) - p. 5849 [733]

Gene Encoding the sigma³⁷ Species of RNA Polymerase sigma Factor from *Bacillus subtilis*. Binnie, C. et al. (Cambridge, USA) - p. 5943 [734]

Genes for the Eight Ribosomal Proteins are Clustered on the Chloroplast Genome of Tobacco (*Nicotiana tabacum*): Similarity to the S10 and *spc* Operons of *Escherichia coli*. Tanaka, M. et al. (Nagoya, Japan) - p. 6030 [735]

Isolation and Characterization of a Human Interleukin cDNA Clone, Homologous to Mouse B-Cell Stimulatory Factor 1, that Expresses B-Cell- and T-Cell-Stimulating Activities. Yokota, T. et al. (Palo Alto, USA) - p. 5894 [736]

Homologous Genes Encode Two Distinct Histidine-Rich Proteins in a Cloned Isolate of *Plasmodium falciparum*. Wellem, T.E. and Howard, R.J. (Bethesda, USA) - p. 6065 [737]

Immunoglobulin Heavy Chain Locus of the Rat: Striking Similarity to Mouse Antibody Genes. Brüggemann, M. et al. (Cambridge, UK) - p. 6075 [738]

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Construction of a Porcine Adrenal Medullary cDNA Library and Nucleotide Sequence Analysis of Two Clones Encoding a Galanin Precursor. Rökkaus, A. et al. (Bethesda, USA) - p. 6287 [739]

pkg, a *raf*-Related Sequence in Humans. Mark, G.E. et al. (Bethesda, USA) - p. 6312 [740]

Nucleotide Sequence of the Myxobacterial Hemagglutinin Gene Contains Four Homologous Domains. Romeo, J.M. et al. (Berkeley, USA) - p. 6332 [741]

Molecular Cloning of the Human Esterase D Gene, a Genetic Marker of Retinoblastoma. Lee, E.Y.-H.P. and Lee, W.-H. (La Jolla, USA) - p. 6337 [742]

Molecular Cloning and Complete Sequence of Prion Protein cDNA from Mouse Brain Infected with the Scrapie Agent. Loch, C. et al. (Hamilton, USA) - p. 6372 [743]

cDNA Sequencing of Nuclear Lamins A and C Reveals Primary and Secondary Structural Homology to Intermediate Filament Proteins. Fisher, D.Z. et al. (New York, USA) - p. 6450 [744]

Cloning of cDNA and Amino Acid Sequence of a Cytokeratin Expressed in Oocytes of *Xenopus laevis*. Franz, J.K. and Franke, W.W. (Heidelberg, FRG) - p. 6475 [745]

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Nucleic Acid Sequence of an Internal Image-Bearing Monoclonal Anti-Idiotypic and Its Comparison to the Sequence of the External Antigen. Bruck, C. et al. (Boston, USA) - p. 6578 [747]

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Inhibitory and Stimulatory G Proteins of Adenylate Cyclase: cDNA and Amino Acid Sequences of the α Chains. Sullivan, K.A. et al. (San Francisco, USA) - p. 6687 [749]

Isolation and Sequence of the cDNA for Human Protein S, a Regulator of Blood Coagulation. Lundwall, A. et al. (Malmö, Sweden) - p. 6716 [750]

Human Cytochrome P-450 4 mRNA and Gene: Part of a Multigene Family that Contains *Alu* Sequences in Its mRNA. Quattrocchi, L.C. et al. (La Jolla, USA) - p. 6731 [751]

Molecular Cloning and Nucleotide Sequence of a Full-Length cDNA for Human α Enolase. Giallongo, A. et al. (Palermo, Italy) - p. 6741 [752]

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Cloning and Sequence of a cDNA Coding for the Human β -Migrating Endothelial-Cell-Type Plasminogen Activator Inhibitor. Ny, T. et al. (La Jolla, USA) - p. 6776 [754]

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Cloning of a cDNA Coding for Human Factor V, a Blood Coagulation Factor Homologous to Factor VIII and Ceruloplasmin. Kane, W.H. and Davie, E.W. (Seattle, USA) - p. 6800 [756]

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Sequences of Ly-5 cDNA: Isoform-Related Diversity of Ly-5 mRNA. Saga, Y. et al. (New York, USA) - p. 6940 [759]

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Putative Diazepam Binding Inhibitor Peptide: cDNA Clones from Rat. Mocchetti, I. et al. (New York, USA) - p. 7221 [766]

Cloning, Characterization, Expression, and Chromosomal Localization of a Human Ferritin Heavy-Chain Gene. Hentze, M.W. et al. (Bethesda, USA) - p. 7226 [767]

Molecular Characterization and Phylogenetic Studies of a Wound-Inducible Proteinase Inhibitor I Gene in *Lycopodium* Species. Lee, J.S. et al. (Pullman, USA) - p. 7277 [768]

Nucleotide Sequence of Rat Preputial Gland β -Glucuronidase cDNA and *in vitro* Insertion of Its Encoded Polypeptide into Microsomal Membranes. Nishimura, Y. et al. (New York, USA) - p. 7292 [769]

Nucleotide Sequence of the Yeast Regulatory Gene STE7 Predicts a Protein Homologous to Protein Kinases. Taague, M.A. et al. (Chapel Hill, USA) - p. 7371 [770]

Cloning and Expression of cDNA for Human Diazepam Binding Inhibitor, a Natural Ligand of an Allosteric Regulatory Site of the γ -Aminobutyric Acid Type A Receptor. Gray, P.W. et al. (San Francisco, USA) - p. 7547 [771]

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Nucleotide Sequence of the mRNA Encoding the Cytosolic Form of Phosphoenolpyruvate Carboxykinase (GFP) from Chicken. Cook, J.S. et al. (Cleveland, USA) - p. 7583 [773]

Evidence that a Human Soluble β -Galactoside-Binding Lectin is Encoded by a Family of Genes. Gitt, M.A. and Barondes, S.H. (La Jolla, USA) - p. 7603 [774]

Isolation and Characterization of the cDNA for Murine Granulocyte Colony-Stimulating Factor. Tauchiya, M. et al. (Tokyo, Japan) - p. 7633 [775]

Molecular Cloning and Characterization of cDNA Encoding the GTP-Binding Protein α_i and Identification of a Related Protein, α_h . Michel, T. et al. (Boston, USA) - p. 7663 [776]

Primary Structure of an Extracellular Matrix Proteoglycan Core Protein Deduced from Cloned cDNA. Krusius, T. and Ruoslahti, E. (La Jolla, USA) - p. 7683 [777]

Amino Acid Sequence of the Plasma Membrane ATPase of *Neurospora crassa*: Deduction from Genomic and cDNA Sequences. Hager, K.M. et al. (New Haven, USA) - p. 7693 [778]

Hemorrhage in Lesions Caused by Cowpox Virus is Induced by a Viral Protein that is Related to Plasma Protein Inhibitors of Serine Proteases. Pickup, D.J. et al. (Durham, USA) - p. 7698 [779]

Human β -Aminolevulinic Dehydratase: Nucleotide Sequence of a Full-Length cDNA Clone. Wetmur, J.G. et al. (New York, USA) - p. 7703 [780]

Complete Amino Acid Sequence of Human Thyroxine-Binding Globulin Deduced from Cloned DNA: Close Homology to the Serine Antiproteases. Flink, I.L. et al. (Tucson, USA) - p. 7708 [781]

Nucleotide and Predicted Amino Acid Sequences of Cloned Human and Mouse Preprocathepsin B cDNAs. Chan, S.J. et al. (Chicago, USA) - p. 7721 [782]

Two-Component Regulatory Systems Responsive to Environmental Stimuli Share Strongly Conserved Domains with the Nitrogen Assimilation Regulatory Genes *ntxB* and *ntxC*. Nixon, B.T. et al. (Boston, USA) - p. 7850 [783]

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Identification of the 5' Flanking Regulatory Region Responsible for the Difference in Transcriptional Control Between Mouse Complement *C4* and *Sip* Genes. Nonaka, M. et al. (Kanazawa, Japan) - p. 7883 [786]

Histidine-Rich Domain of the Knob Protein of the Human Malaria Parasite *Plasmodium falciparum*. Kilejian, A. et al. (New York, USA) - p. 7938 [787]

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Multiple, Distinct Forms of Bovine and Human protein Kinase C Suggest Diversity in Cellular Signaling Pathways. Coussens, L. et al. (San Francisco, USA) - p. 859 [789]

Structure and Diversity of the Human T-Cell Receptor β -Chain Variable Region Genes. Tillinghast, J.P. et al. (St. Louis, USA) - p. 879 [790]

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A Yeast Gene that is Essential for Release from Glucose Repression Encodes a Protein Kinase. Calenza, J.L. and Carlson, M. (New York, USA) - p. 1175 [791]

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Molecular Cloning and Expression of Neuroleukin, a Neurotrophic Factor for Spinal and Sensory Neurons. Gurney, M.E. et al. (Chicago, USA) - p. 566 [792]

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Studies in Heterobasidiomycetes. 40. Systematic Position of Septobasidium, Graphiola and Other Basidiomycetes As Deduced on the Basis of Their 5S Ribosomal RNA Nucleotide Sequences. Blanz, P.A. and Gottschalk, M. (Tübingen, FRG) - p. 121 [795]

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Amino Acid Sequence of a Hypertrehalosemic Neuropeptide from the Corpus cardiacum of the Cockroach, Nauphoeta cinerea. Gäde, G. and Rinehart, K.L. (Düsseldorf, FRG) - p. 774 [807]

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Primary Structure of Human Complement Component C2. Homology to Two Unrelated Protein Families. Bentley, D.R. (Oxford, UK) - p. 339 [808]

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The N-Terminal Amino Acid Sequences of the Heavy and Light Chains of Human Cathepsin L. Relationship to a cDNA Clone for a Major Cysteine Proteinase from a Mouse Macrophage Cell Line. Mason, R.W. et al. (Cambridge, UK) - p. 373 [811]

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Primary Structure of Human Plasma Fibronectin. Characterization of a 38 kDa Domain Containing the C-Terminal Heparin-Binding Site (Hep III Site) and a Region of Molecular Heterogeneity. Garcia-Pardo, A. et al. (New York, USA) - p. 923 [813]

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25 No. 15 1986

Amino Acid Sequence of a Basic Agkistrodon halys blumhoffii Phospholipase A₂. Possible Role of NH₂-Terminal Lysines in Action on Phospholipids of Escherichia coli. Forst, S. et al. (New York, USA) - p. 4309 [814]

25 No. 16 1986

Amino Acid Sequence of the b Subunit of Human Factor XIII, a Protein Composed of Ten Repetitive Segments. Ichinose, A. et al. (Seattle, USA) - p. 4633 [815]

25 No. 18 1986

Complete Primary Structure of Prostotropin, a Prostate Epithelial Cell Growth Factor. Crabb, J.W. et al. (Lake Placid, USA) - p. 4988 [816]

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Amino Acid Sequence Analysis of the Cytochrome and Flavoprotein Subunits of p-Cresol Methylhydroxylase. McIntire, W. et al. (San Francisco, USA) - p. 5975 [817]

Amino Acid Sequence of [2Fe-2S] Ferradoxin from Clostridium pasteurianum. Meyer, J. et al. (Grenoble, France) - p. 6054 [818]

hsp108, a Novel Heat Shock Inducible Protein of Chicken. Sargan, D.R. et al. (Houston, USA) - p. 6252 [819]

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Streptococcal Phosphoenolpyruvate-Sugar Phosphotransferase System: Amino Acid Sequence and Site of ATP-Dependent Phosphorylation of Hpr. Deutscher, J. et al. (Bochum, FRG) - p. 6543 [820]

25 No. 22 1986

NMR Analysis and Sequence of Toxin II from the Sea Anemone Radianthus paumotensis. Wemmer, D.E. et al. (Berkeley, USA) - p. 6842 [821]

25 No. 23 1986

Amino Acid Sequence of the Sex Steroid Binding Protein of Human Blood Plasma. Walsh, K.A. et al. (Seattle, USA) - p. 7584 [822]

Amino Acid Sequence of Myosin Essential Light Chain from the Scallop Aequipecten irradians. Collins, J.H. et al. (Potsdam, USA) - p. 7651 [823]

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Complete Amino Acid Sequence of NADPH-Cytochrome P-450 Reductase from Porcine Hepatic Microsomes. Hanlu, M. et al. (Duarte, USA) - p. 7906 [824]

Amino Acid Sequence of Rabbit Skeletal Muscle Myosin Light Chain Kinase. Takio, K. et al. (Seattle, USA) - p. 8049 [825]

A New Acylphosphatase Isoenzyme from Human Erythrocytes. Purification, Characterization, and Primary Structure. Liguri, G. et al. (Florence, Italy) - p. 8089 [826]

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Chicken Ovomucoid: Determination of Its Amino Acid Sequence, Determination of the Trypsin Reactive Site, and Preparation of All Three of Its Domains. Kato, I. et al. (West Lafayette, USA) - p. 193 [828]

Ovomucoid Third Domains from 100 Avian Species: Isolation, Sequences, and Hypervariability of Enzyme-Inhibitor Contact Residues. Laskowski, M. et al. (West Lafayette, USA) - p. 202 [829]

Amino Acid Sequence of a Unique Protease from the Crayfish Astacus fluviatilis. Titani, K. et al. (Seattle, USA) - p. 222 [830]

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Isolation and Sequence Analysis of a Pigment-Dispersing Hormone from Eyestalks of the Crab, Cancer magister. Kleinholz, L.H. et al. (Pensacola, USA) - p. 135 [831]

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The Complete Amino-Acid Sequence of the Variable Domain of a Monoclonal Anti-Streptococcal Group A Polysaccharide Antibody. Herbst, H. et al. (Basel, CH) - p. 843 [832]

Pig β -Lactoglobulin I (Sus scrofa domestica, Artiodactyla). The Primary Structure of the Major Component. Conti, A. et al. (Martinsried, FRG) - p. 871 [833]

The Primary Structure of the Mesophilic Lactate Dehydrogenase from Bacillus subtilis. Hediger, M.A. et al. (Zürich, CH) - p. 891 [834]

Amino Acid Sequence of Ammodytoxin B Partially Reveals the Location of the Site of Toxicity of Ammodytoxins. Ritonja, A. et al. (München, FRG) - p. 919 [835]

367 No. 10 1986

Primary Structure of Cu-Zn Superoxide Dismutase of Brassica oleracea Proves Homology with Corresponding Enzymes of Animals, Fungi and Prokaryotes. Steffens, G.J. et al. (Aachen-Eilendorf, FRG) - p. 1007 [836]

The Amino-Acid Sequence of Rat Cu-Zn Superoxide Dismutase. Steffens, G.J. et al. (Aachen-Eilendorf, FRG) - p. 1017 [837]

Amino-Acid Sequence of LC-1 Light Chain of Squid Mantle Muscle Myosin. Watanabe, B. et al. (Nagasaki, Japan) - p. 1025 [838]

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The Primary Structure of the Hemoglobin of the European Souslik (Citellus citellus, Rodentia). Soskic, V. et al. (Martinsried, FRG) - p. 1159 [839]

European Journal of Biochemistry

158 No. 3 1986

Pectinesterase. The Primary Structure of the Tomato Enzyme. Markovic, O. and Jörnvall, H. (Stockholm, Sweden) - p. 455 [840]

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A Camel Milk Whey Protein Rich in Half-Cystine. Primary Structure, Assessment of Variations, Internal Repeat Patterns, and Relationships with Neurophysin and Other Active Polypeptides. Bag, O.U. et al. (Stockholm, Sweden) - p. 195 [841]

159 No. 3 1986

The Amino-Acid Sequence of the 2S Sulphur-Rich Proteins from Seeds of Brazil Nut (*Bertholletia excelsa* H.B.K.). Ampe, C. et al. (Gent, Belgium) - p. 597 [842]

160 No. 2 1986

The Primary Structure of Apolipoprotein A-I from Rabbit High-Density Lipoprotein. Yang, C.-y. et al. (Houston, USA) - p. 427 [843]

161 No. 2 1986

Isolation, Purification, and the Sequence of Relaxin from Spiny Dogfish (*Squalus acanthias*). Bullesbach, E.E. et al. (Charleston, USA) - p. 335 [844]

Complete Primary Structure of Bovine Plasma Fibronectin. Skorstengaard, K. et al. (Aarhus, DK) - p. 441 [845]

Insulin-Stimulating Protein from Human Plasma. Chemical Characteristics and Biological Activity. Arakaki, N. et al. (Tokushima, Japan) - p. 491 [846]

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Amino-Acid Sequence Data of β -Tubulin from *Physarum polycephalum* Myxamoebae. Singhofer-Wowra, M. et al. (Heidelberg, FRG) - p. 669 [847]

Primary Structure of the Chromosomal Protein HMB from the Archaeobacteria *Methanosarcina barkeri*. Laine, B. et al. (Lille, France) - p. 681 [848]

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Demonstration of Structural Differences Between the Two Subunits of Human-Plasma Fibronectin in the Carboxy-Terminal Heparin-Binding Domain. Pande, H. et al. (Duarte, USA) - p. 403 [849]

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Purification and Characterization of Recombinant Murine Immune Interferon. Nagata, K. et al. (Osaka, Japan) - p. 200 [850]

N-Terminal Sequence Homologies in Interstitial Retinol-Binding Proteins from 10 Vertebrate Species. Fong, S.-L. et al. (Houston, USA) - p. 309 [851]

Isolation from Chicken Antrum, and Primary Amino Acid Sequence of a Novel 36-Residue Peptide of the Gastrin/CCK Family. Dimoline, R. et al. (Liverpool, UK) - p.318[852]

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Isolation and Structure of the *Streptococcus faecalis* Sex Pheromone, cAM373. Mori, M. et al. (Tokyo, Japan) - p.69[853]

Structural Relationship Between Link Proteins and Proteoglycan Monomers. Parin, J.-P. et al. (Paris, France) - p. 73 [854]

207 No. 1 1986

Primary Structure of a Cationic Cu,Zn Superoxide Dismutase. The Sheep Enzyme. Schinina, M.E. et al. (Roma, Italy) - p. 7 [855]

Sequence Homologies and Structural Similarities Between the Polypeptides of Yeast and Beef Heart Cytochrome c Oxidase. Capaldi, R.A. et al. (Eugene, USA) - p.11[856]

The Single Proline-Glutamine Substitution at Position 5 Enhances the Potency of Amyloid Fibril Formation of Murine Apo A-II. Higuchi, K. et al. (Kyoto, Japan) - p. 23 [857]

Human Fibronectin is Synthesized as a Pre-Propolypeptide. Gutman, A. et al. (Buenos Aires, Argentina) - p. 145 [858]

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Analogous Amino Acid Sequences in Myelin Proteolipid and Viral Proteins. Shaw, S.-Y. et al. (Boston, USA) - p. 266 [859]

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The Phage Mu Repressor c and IS30 Transposase Proteins are Significantly Related. Dalrymple, B. (North Ryde, Australia) - p. 7 [860]

Identification of Granzyme A Isolated from Cytotoxic T-Lymphocyte-Granules as One of the Proteases Encoded by CTL-Specific Genes. Masson, D. et al. (Epalinges, CH) - p. 84 [861]

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Type I M Protein of *Streptococcus pyogenes*. N-Terminal Sequence and Peptic Fragments. Moravek, L. et al. (Prague, Czechoslovakia) - p. 435 [862]

The Primary Structure of Ratfish Insulin Reveals an Unusual Mode of Proinsulin Processing. Conlon, J.M. et al. (Göttingen, FRG) - p. 445 [863]

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Identical N-Terminal Peptide Sequences of Asymmetric Forms and of Low-Salt-Soluble and Detergent-Soluble Amphiphilic Dimers of *Torpedo* Acetylcholinesterase. Comparison with Bovine Acetylcholinesterase. Bon, S. et al. (Paris, France) - p. 206 [864]

N-Terminal Amino Acid Sequences of the Heavy and Light Chains of Chicken Liver Cathepsin L. Wada, K. and Tanabe, T. (Osaka, Japan) - p. 330 [865]

Amino Acid Sequence Determination of Guanyl-Specific Ribonuclease Sa from *Streptomyces aureofaciens*. Shlyapnikov, S.V. et al. (Bratislava, Czechoslovakia) - p. 335 [866]

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100 No. 2 1986

Human Spleen Histone H1. Isolation and Amino Acid Sequence of a Main Variant. Hib. Ohe, Y. et al. (Gunma, Japan) - p. 359 [867]

Isolation and Determination of the Amino Acid Sequence of Chicken Calcitonin I from Chicken Ultimobranchial Glands. Komma, T. et al. (Ibaraki, Japan) - p. 459 [868]

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Developmental Variation and Amino Acid Sequences of Cytochrome c of the Fruit Fly *Drosophila melanogaster* and the Flesh Fly *Boettcheriella peregrina*. Inoue, S. et al. (Tokyo, Japan) - p. 955 [869]

The Journal of Biological Chemistry

261 No. 22 1986

Characterization of the Endoplasmic Reticulum-Associated Precursor of Concanavalin A. Partial Amino Acid Sequence and Lectin Activity. Chrispeels, M.J. et al. (La Jolla, USA) - p. 10021 [870]

The Amino Acid Sequence of *Limulus* C-Reactive Protein. Evidence of Polymorphism. Nguyen, N.Y. et al. (Bethesda, USA) - p. 10456 [871]

261 No. 23 1986

The Structure of Hemocyanin II from the Horseshoe Crab, *Limulus polyphemus*. The Amino Acid Sequences of the Smaller Cyanogen Bromide Fragments. Moore, M.D. et al. (Austin, USA) - p. 10511 [872]

261 No. 24 1986

Purification and Domain Structure of Core hnRNP Proteins A1 and A2 and Their Relationship to Single-Stranded DNA-Binding Proteins. Kumar, A. et al. (New York, USA) - p. 11266 [873]

261 No. 28 1986

Sequence Analysis of Phospholamban. Identification of Phosphorylation Sites and Two Major Structural Domains. Simmerman, H.K.B. et al. (Indianapolis, USA) - p.13333[874]

Structure of the Spectrin-Actin Binding Site of Erythrocyte Protein 4.1. Correas, I. et al. (New Haven, USA) - p.13362[875]

261 No. 29 1986

Human Adenine Phosphoribosyltransferase. Complete Amino Acid Sequence of the Erythrocyte Enzyme. Wilson, J.M. et al. (Ann Arbor, USA) - p. 13677 [876]

261 No. 30 1986

Complete Amino Acid Sequence of *Shigella* Toxin B-Chain. A Novel Polypeptide Containing 69 Amino Acids and One Disulfide Bridge. Seidah, N.G. et al. (Montreal, Canada) - p. 13928 [877]

Amino Acid Sequence of a Specific Antigenic Peptide of Protein B23. Chan, P.-K. et al. (Houston, USA) - p. 14335 [878]

261 No. 31 1986

Biosynthesis of Calcitonin Gene-Related Peptide and Calcitonin by a Human Medullary Thyroid Carcinoma Cell Line. Gkonos, P.J. et al. (Tacoma, USA) - p. 14386 [879]

261 No. 34 1986

Primary Structure of Human α_2 -Macroglobulin. Complete Disulfide Bridge Assignment and Localization of Two Interchain Bridges in the Dimeric Proteinase Binding Unit. Jensen, P.E.H. and Sottrup-Jensen, L. (Aarhus, Denmark) - p. 15863 [880]

Purification, Characterization, and the Complete Amino Acid Sequence of Porcine Pancreatic Deoxyribonuclease. Paudel, H.K. and Liao, T.-H. (Stillwater, USA) - p. 16006 [881]

Comparison of the Three Primary Structures of Deoxyribonuclease Isolated from Bovine, Ovine, and Porcine Pancreas. Derivation of the Amino Acid Sequence of Ovine DNase and Revision of the Previously Published Amino Acid Sequence of Bovine DNase. Paudel, H.K. and Liao, T.-H. (Stillwater, USA) - p. 16012 [882]

Journal of Theoretical Biology

120 No. 4 1986

Sequence Homologies of Glucose Dehydrogenase of *Bacillus megaterium* and *Bacillus subtilis*. Fortnagel, P. et al. (Hamburg, FRG) - p. 489 [883]

Molecular Biology and Evolution

3 No. 5 1986

Paenungulata: A Comparison of the Hemoglobin Sequences from Elephant, Hyrax, and Manatee. Kleinschmidt, T. et al. (Martinsried, FRG) - p. 427 [884]

Muscle and Nerve

9 No. 1 1986

The Amino Acid Sequence of Human Cardiac Troponin-C. Roher, A. et al. (Detroit, USA) - p. 73 [885]

Nature

323 No. 6087 1986

A Family of Related ATP-Binding Subunits Coupled to Many Distinct Biological Processes in Bacteria. Higgins, C.F. et al. (Dundee, UK) - p. 448 [886]

Domainal Evolution of a Prokaryotic DNA Repair Protein and Its Relationship to Active-Transport Proteins. Doolittle, R.F. et al. (La Jolla, USA) - p. 451 [887]

323 No. 6090 1986

Complete Protein Sequence and Identification of Structural Domains of Human Apolipoprotein B. Knott, T.J. et al. (Harrow, UK) - p. 734 [888]

Sequence, Structure, Receptor-Binding Domains and Internal Repeats of Human Apolipoprotein B-100. Yang, C.-Y. et al. (Houston, USA) - p. 738 [889]

324 No. 6093 1986

Common Evolutionary Origin of Legume and Non-Legume Plant Haemoglobins. Landsmann, J. et al. (Canberra, Australia) - p. 166 [890]

324 No. 6094 1986

Structure of Pre-Pro-von Willebrand Factor and Its Expression in Heterologous Cells. Bonthron, D.T. et al. (Boston, USA) - p. 270 [891]

324 No. 6096 1986

Pancreastatin, a Novel Pancreatic Peptide that Inhibits Insulin Secretion. Tatemoto, K. et al. (Stanford, USA) - p. 476 [892]

Homology Between P-Glycoprotein and a Bacterial Haemolysin Transport Protein Suggests a Model for Multidrug Resistance. Gerlach, J.H. et al. (Toronto, Canada) - p. 485 [893]

Peptides

7 Suppl. 1 1986

Purification and Amino Acid Sequences of Dog, Goat and Guinea Pig VIPs. Eng, J. et al. (Bronx, USA) - p. 17 [894]

7 No. 4 1986

Sequence of Gastrins Purified from a Single Antrum of Dog and of Goat. Bonato, C. et al. (Bronx, USA) - p. 689 [895]

Proceedings of the National Academy of Sciences of the USA

83 No. 16 1986

Amino Acid Sequence of a Prothoracicotropic Hormone of the Silkworm *Bombyx mori*. Nagasawa, H. et al. (Tokyo, Japan) - p. 5840 [896]

A Large Region (about 95 kDa) of Human Factor VIII is Dispensable for *in vitro* Procoagulant Activity. Toole, J.J. et al. (Cambridge, USA) - p. 5939 [897]

83 No. 18 1986

Isolation, Properties, and Complete Amino Acid Sequence of Human Secretory Leukocyte Protease Inhibitor, a Potent Inhibitor of Leukocyte Elastase. Thompson, R.C. and Ohlsson, K. (Boulder, USA) - p. 6692 [898]

Homologous Ribosomal Proteins in Bacteria, Yeast, and Humans. Chen, I-T. et al. (Manhattan, USA) - p. 6907 [899]

Conservation of Amino Acid Sequence of VP8 and Cleavage Region of 84-kDa Outer Capsid Protein Among Rotaviruses Recovered from Asymptomatic Neonatal Infection. Gorziglia, M. et al. (Bethesda, USA) - p. 7039 [900]

83 No. 19 1986

Structural Evidence that Endothelial Cell Growth Factor β is the Precursor of Both Endothelial Cell Growth Factor α and Acidic Fibroblast Growth Factor. Burgess, W.H. et al. (Rockville, USA) - p. 7216 [901]

Thrombosis Research

43 No. 2 1986

Recent Evolutionary Divergence of Plasma Prekallikrein and Factor XI. Veloso, D. et al. (Philadelphia, USA) - p. 153 [902]

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