

Isolation and Sequence of a cDNA for the Rat Pulmonary Surfactant-Associated Protein (PSP-A). Sano, K. et al. (Denver, USA) - p. 367 [1434]

144 No. 2 1987

Evolution of Human von Willebrand Factor: cDNA Sequence Polymorphisms, Repeated Domains, and Relationship to von Willebrand Antigen II. Shelton-Inloes, B.B. et al. (St. Louis, USA) - p. 657 [1435]

Genetic Heterogeneity of Steroid Sulfatase Deficiency Revealed with cDNA for Human Steroid Sulfatase. Conary, J.T. et al. (Munster, FRG) - p. 1010 [1436]

Recently Published Papers in the Field of Molecular Evolution

GENERAL ASPECTS

FEBS Letters

214 No. 1 1987

Intron-Dependent Evolution: Preferred Types of Exons and Introns. Pathy, L. (Budapest, Hungary) - p. 1 [1420]

Molecular Biology and Evolution

4 No. 2 1987

Amino Acid Sequence Versus Morphological Data and the Interordinal Relationships of Mammals. Wyss, A.R. et al. (New York, USA) - p. 99 [1421]

Accuracy of Phylogenetic Trees Estimated from DNA Sequence Data. Sourdiz, J. and Krimbas, C. (Athens, Greece) - p. 159 [1422]

PRIMARY STRUCTURES

OF NUCLEIC ACIDS

Biochemical and Biophysical Research Communications

142 No. 1 1987

Cloning and Regulation of Rat Apolipoprotein B mRNA. Matsumoto, A. et al. (Tokyo, Japan) - p. 92 [1423]

Evidence for the Existence of an Expressed Minor Variant tRNA^{Phe} in Yeast. Keith, G. and Dirheimer, G. (Strasbourg, France) - p. 183 [1424]

142 No. 2 1987

Primary Structure of Human Carcinoembryonic Antigen (CEA) Deduced from cDNA Sequence. Oikawa, S. et al. (Osaka, Japan) - p. 511 [1425]

Cloning and Sequence Analysis of Bovine β -Casein cDNA. Jimenez-Flores, R. et al. (Davis, USA) - p. 617 [1426]

142 No. 3 1987

Isolation of a Human Liver Ligandin cDNA Clone and Demonstration of Sequence Homology at Ligandin Loci in Rats and Humans. Butera, L. et al. (Bronx, USA) - p. 986 [1427]

143 No. 1 1987

cDNA Cloning of IL-1 α and IL-1 β from mRNA of U937 Cell Line. Nishida, T. et al. (Tokushima, Japan) - p. 345 [1428]

143 No. 2 1987

Human Liver Type Pyruvate Kinase: cDNA Cloning and Chromosomal Assignment. Tan, K. et al. (Tokyo, Japan) - p. 431 [1429]

Complete Amino Acid Sequence of the Human Progesterone Receptor Deduced from Cloned cDNA. Misrahi, M. et al. (Le Kremlin-Bicetre, France) - p. 740 [1430]

143 No. 3 1987

Isolation of a cDNA Clone for Rat Liver 6-Phosphofructose 2-Kinase/Fructose 2,6-Biphosphatase. Colosia, A.D. et al. (Nashville, USA) - p. 1092 [1431]

144 No. 1 1987

Molecular Cloning and Amino Acid Sequence of Rat Enkephalinase. Malfroy, B. et al. (San Francisco, USA) - p. 59 [1432]

Isolation of a Cytochrome P-450 α Gene Variant and Characterization of Its 5'-Flanking Sequences. Rangarajan, P.N. et al. (Bangalore, India) - p. 258 [1433]

Cell

47 No. 6 1986

Transposable Elements Controlling I-R Hybrid Dysgenesis in *D. melanogaster* Are Similar to Mammalian LINEs. Fawcett, D.H. et al. (Edinburgh, UK) - p. 1007 [1437]

48 No. 1 1987

Structure of the Human and Murine R-ras Genes, Novel Genes Closely Related to ras Proto-Oncogenes. Lowe, D.G. et al. (San Francisco, USA) - p. 137 [1438]

48 No. 2 1987

Cholera Toxin Transcriptional Activator ToxR is a Transmembrane DNA Binding Protein. Miller, V.L. et al. (Boston, USA) - p. 271 [1439]

The Circumsporozoite Gene of the *Plasmodium cynomolgi* Complex. Galinski, M.R. et al. (New York, USA) - p. 311 [1440]

48 No. 4 1987

RPC40, a Unique Gene for a Subunit Shared Between Yeast RNA Polymerases A and C. Mann, C. et al. (Gif-sur-Yvette, France) - p. 627 [1441]

Cloning of the B Subunit of the Leukocyte Adhesion Proteins: Homology to an Extracellular Matrix Receptor Defines a Novel Supergene Family. Kishimoto, T.K. et al. (Boston, USA) - p. 681 [1442]

48 No. 5 1987

A Multigene Family Encoding Several "Finger" Structures is Present and Differentially Active in Mammalian Genomes. Chowdhury, K. et al. (Heidelberg, FRG) - p. 771 [1443]

A Conserved Nucleotide Sequence at the Sites of Developmentally Regulated Chromosomal Breakage in *Tetrahymena*. Yao, M.-C. et al. (St. Louis, USA) - p. 779 [1444]

The *S. cerevisiae* CDC25 Gene Product Regulates the RAS/Adenylate Cyclase Pathway. Broek, D. et al. (Cold Spring Harbor, USA) - p. 789 [1445]

48 No. 6 1987

Members of a Nicotinic Acetylcholine Receptor Gene Family are Expressed in Different Regions of the Mammalian Central Nervous System. Goldman, D. et al. (San Diego, USA) - p.965 [1446]

KAR1, a Gene Required for Function of Both Intracellular and Extracellular Microtubules in Yeast. Rose, M.D. and Fink, G.R. (Cambridge, USA) - p. 1047 [1447]

The EMBO Journal

6 No. 4 1987

Characterization of the *vira* Locus of *Agrobacterium tumefaciens*: a Transcriptional Regulator and Host Range Determinant. Leroux, B. et al. (Seattle, USA) - p. 849 [1448]

Cloning and Light Regulation of Expression of the Phycocyanin Operon of the Cyanobacterium *Anabaena*. Belknap, W.R. and Haselkorn, R. (Chicago, USA) - p. 871 [1449]

Isolation and Nucleotide Sequence of Mouse NCAM cDNA that Codes for a Mr 79 000 Polypeptide Without a Membrane-Spanning Region. Barthels, D. et al. (Köln, FRG) - p. 907 [1450]

The Primary Structure of the β -Subunit of the Cell Surface Adhesion Glycoproteins LFA-1, CR3 and p150,95 and Its Relationship to the Fibronectin Receptor. Law, S.K.A. et al. (Oxford, UK) - p. 915 [1451]

Complementary DNA for Human T-Cell Cyclophilin. Haendler, B. et al. (Wien, Austria) - p. 947 [1452]

Cloning and Expression of a Gene Encoding hsc73, the Major hsp70-Like Protein in Unstressed Rat Cells. Sorger, P.K. and Pelham, H.R.B. (Cambridge, UK) - p. 993 [1453]

Non-Methylated CpG-Rich Islands at the Human α -Globin Locus: Implications for Evolution of the α -Globin Pseudogene. Bird, A.P. et al. (Edinburgh, UK) - p. 999 [1454]

Amplification of the X-Linked Drosophila Chorion Gene Cluster Requires a Region Upstream from the s38 Chorion Gene. Spradling, A.C. et al. (Baltimore, USA) - p. 1045 [1455]

Multiple Spacer Sequences in the Nuclear Large Subunit Ribosomal RNA Gene of Crithidia fasciculata. Spencer, D.F. et al. (Halifax, Canada) - p. 1063 [1456]

Is Sindbis a Simple Picornavirus with an Envelope? Fuller, S.D. and Argos, P. (Heidelberg, FRG) - p. 1099 [1457]

Organization of Multispecific DNA Methyltransferases Encoded by Temperate Bacillus subtilis Phages. Behrens, H. et al. (Berlin, FRG) - p. 1137 [1458]

6 No. 5 1987

Structure and Elicitor of UV-Light-Stimulated Expression of Two 4-Coumarate: CoA Ligase Genes in Parsley. Douglas, C. et al. (Köln, FRG) - p. 1189 [1459]

The Primary Structure of Human Secretogranin I (Chromogranin B); Comparison with Chromogranin A Reveals Homologous Terminal Domains and a Large Intervening Variable Region. Benedum, U.M. et al. (Heidelberg, FRG) - p. 1203 [1460]

Study of Growth Hormone-Regulated Protein Secreted by Rat Hepatocytes: cDNA Cloning, Anti-Protease Activity and Regulation of Its Synthesis by Various Hormones. Le Cham, A. et al. (Nice, France) - p. 1225 [1461]

Structural Variants of Human T200 Glycoprotein (Leucocyte-Common Antigen). Ralph, S.J. et al. (San Diego, USA) - p. 1251 [1462]

Noncoding 3' Sequences of the Transferrin Receptor Gene are Required for mRNA Regulation by Iron. Owen, D. and Kühn, L.C. (Epalinges, Switzerland) - p. 1287 [1463]

Amino Acid Sequence of Rabbit Kidney Neutral Endopeptidase 24.11 (Enkephalinase) Deduced from a Complementary DNA. Devault, A. et al. (Montreal, Canada) - p. 1317 [1464]

Characterization of a Cell Type-Specific Enhancer Found in the Human Papilloma Virus Type 18 Genome. Swift, F.V. et al. (St. John's, Canada) - p. 1339 [1465]

cDNA-Derived Amino Acid Sequence of Rat Mitochondrial 3-Oxoacyl-CoA Thiolase with no Transient Presequence: Structural Relationship with Peroxisomal Isozyme. Arakawa, H. et al. (Kumamoto, Japan) - p. 1361 [1466]

Sequence of the Bovine Mitochondrial Phosphate Carrier Protein: Structural Relationship to ADP/ATP Translocase and the Brown Fat Mitochondria Uncoupling Protein. Runswick, M.J. et al. (Cambridge, UK) - p. 1367 [1467]

Conserved Sequence Elements in the 5' Region of the Ultrabithorax Transcription Unit. Wilde, C.D. and Akam, M. (Cambridge, UK) - p. 1393 [1468]

The Complete Sequence of the Gene for the Knob-Associated Histidine-Rich Protein from Plasmodium falciparum. Triglia, T. et al. (Melbourne, Australia) - p. 1413 [1469]

cDNA Sequence Encoding a Plasmodium falciparum Protein Associated with Knobs and Localization of the Protein to Electron-Dense Regions in Membranes of Infected Erythrocytes. Ardashir, F. et al. (La Jolla, USA) - p. 1421 [1470]

The Yeast Ubiquitin Genes: a Family of Natural Gene Fusions. Özkaynak, E. et al. (Cambridge, USA) - p. 1429 [1471]

Cloning and Sequencing of the FIF Gene Involved in Repair and Recombination of Yeast Mitochondrial DNA. Foury, F. and Lahaye, A. (Louvain-la-Neuve, Belgium) - p. 1441 [1472]

FRBS Letters

214 No. 2 1987

The Human Insulin-Like Growth Factor II Gene Contains Two Development-Specific Promoters. De Pagter-Holthuisen, P. et al. (Utrecht, NL) - p. 259 [1473]

Molecular Cloning of Human Prostate Specific Antigen cDNA. Lundwall, A. and Lilja, H. (Malmö, Sweden) - p. 317 [1474]

215 No. 1 1987

The cDNA-Deduced Primary Structure of Human Sex Hormone-Binding Globulin and Location of Its Steroid-Binding Domain. Hammond, G.L. et al. (London, Canada) - p. 100 [1475]

Gene

47 No. 2/3 1986

Nucleotide Sequence of the 1.2-kB 3'-Region and Domestic Distribution of Two Common c-myc Alleles of the Genotype Cat. Soe, L.H. et al. (Los Angeles, USA) - p. 185 [1476]

Cyclodextrin-Glycosyltransferase from Klebsiella pneumoniae M5al: Cloning, Nucleotide Sequence and Expression. Binder, F. et al. (München, FRG) - p. 269 [1477]

Nucleotide and Amino Acid Sequence of a Cucurbita Phytochrome cDNA Clone: Identification of Conserved Features by Comparison with Avena Phytochrome. Sharrock, R.A. et al. (Madison, USA) - p. 287 [1478]

48 No. 2/3 1986

Sequence of 3000 Nucleotides at the 5' End of Japanese Encephalitis Virus RNA. Sumiyoshi, H. et al. (Nagasaki, Japan) - p. 195 [1479]

Cloning and Sequencing of Papain-Encoding cDNA. Cohen, L.W. et al. (Claremont, USA) - p. 219 [1480]

Complete Amino Acid Sequence of Rat Liver Alcohol Dehydrogenase Deduced from the cDNA Sequence. Crabb, D.W. and Edenberg, H.J. (Indianapolis, USA) - p. 287 [1481]

49 No. 1 1986

Analysis of the Human Apolipoprotein B Gene: Complete Structure of the B-74 Region. Carlsson, P. et al. (Gothenburg, Sweden) - p. 29 [1482]

Sequence Analysis of the Bacillus subtilis argC Promoter Region. Smith, M.C.M. et al. (Leeds, UK) - p. 53 [1483]

Complete Nucleotide Sequence of the Penicillin Acylase Gene from Kluyvera citrophila. Barbero, J.L. et al. (Madrid, Spain) - p. 69 [1484]

The Primary Structure of Cynomolgus Monkey Apolipoprotein A-I Deduced from the cDNA Sequence: Comparison to the Human Sequence. Polites, H.G. et al. (Kalamazoo, USA) - p. 103 [1485]

The Organization and Nucleotide Sequence of the Bacillus subtilis hisH, tyrA and aroE Genes. Henner, D.J. et al. (San Francisco, USA) - p. 147 [1486]

49 No. 2 1986

The Human Transferrin Gene: 5' Region Contains Conserved Sequences which Match the Control Elements Regulated by Heavy Metals, Glucocorticoids and Acute Phase Reaction. Adrian, G.S. et al. (San Antonio, USA) - p. 167 [1487]

The β -Glucanase Gene from Bacillus amyloliquefaciens Shows Extensive Homology with that of Bacillus subtilis. Hofmeister, J. et al. (Gatersleben, GDR) - p. 177 [1488]

The Nucleotide Sequence of Gene 21 of Bacteriophage T4 Coding for the Prohead Protease. Keller, B. and Bickle, T.A. (Basel, Switzerland) - p. 245 [1489]

49 No. 3 1986

The MT2 Gene of Saccharomyces cerevisiae: Molecular Cloning and Nucleotide Sequence. Langin, T. et al. (Orsay, France) - p. 283 [1490]

Nucleotide Sequence of the popN Gene Encoding Aminopeptidase N of Escherichia coli. Foglino, M. et al. (Marseille, France) - p. 303 [1491]

Complementarity of Conserved Sequence Elements Present in 28S Ribosomal RNA and in Ribosomal Protein Genes of Xenopus laevis and Xenopus tropicalis. Cutruzzola, F. et al. (Rome, Italy) - p. 371 [1492]

50 No. 1/3 1986

Nucleotide Sequence of the Woodchuck Hepatitis Virus Surface Antigen mRNAs and the Variability of Three Overlapping Viral Genes. Etienne, J. et al. (Paris, France) - p. 207 [1493]

Complete Nucleotide Sequence and mRNA Mapping of the Large Subunit Gene of Ribulose-1,5-Bisphosphate Carboxylase/Oxygenase (Rubisco) from Chlamydomonas moewusii. Yang, R.C.A. et al. (Ottawa, Canada) - p. 259 [1494]

Nucleotide Sequence of the Rice Cytochrome f Gene and the Presence of Sequence Variation Near this Gene. Wu, N.-h. et al. (Ithaca, USA) - p. 271 [1495]

Structure of Human Cholecystokinin Gene and Its Chromosomal Location. Takahashi, Y. et al. (Osaka, Japan) - p. 353 [1496]

51 No. 1 1987

The Nucleotide Sequence and Gene Organization of the gerA Spore Germination Operon of Bacillus subtilis. Zuberi, A.R. et al. (Sheffield, UK) - p. 1 [1497]

Cloning and Nucleotide Sequence of Heavy- and Light-Chain cDNAs from a Creatine-Kinase-Specific Monoclonal Antibody. Buckel, P. et al. (Tutzing, FRG) - p. 13 [1498]

Homologous Domains in Trichoderma reesei Cellulolytic Enzymes: Gene Sequence and Expression of Callobiohydrolase II. Teeri, T.T. et al. (Espoo, Finland) - p. 43 [1499]

Complete Nucleotide Sequence of pTZ12, a Chloramphenicol-Resistance Plasmid of Bacillus subtilis. Aoki, T. et al. (Tokyo, Japan) - p. 107 [1500]

Journal of Bacteriology

169 No. 2 1987

Molecular Characterization and Nucleic Acid Sequence of an Avirulence Gene from Race 6 of Pseudomonas syringae

pv. *glycinea*. Napoli, C. and Staskawicz, B. (Berkeley, USA) - p. 572 [1501]

Cloning and Sequencing of the *blaZ* Gene Encoding β -Lactamase III, a Lipoprotein of *Bacillus cereus* 569/H. Hussain, M. et al. (Piscataway, USA) - p. 579 [1502]

Sequence of the *Ampullariella* sp. Strain 3876 Gene Coding for Xylose Isomerase. Saari, G.C. et al. (Seattle, USA) - p. 612 [1503]

Tn2501, a Component of the Lactose Transposon Tn951, Is an Example of a New Category of Class II Transposable Elements. Michiels, T. et al. (Brussels, Belgium) - p. 624 [1504]

Nucleotide Sequence and Expression of *clcD*, a Plasmid-Borne Dienelactone Hydrolase Gene from *Pseudomonas* sp. Strain B13. Frantz, B. et al. (Chicago, USA) - p. 704 [1505]

DNA Sequence and In Vitro Expression of the B875 Light-Harvesting Polypeptides of *Rhodobacter sphaeroides*. Kiley, P.J. et al. (Urbana, USA) - p. 742 [1506]

Processing of the Initiation Methionine from Proteins: Properties of the *Escherichia coli* Methionine Aminopeptidase and Its Gene Structure. Bon-Bassat, A. et al. (Emeryville, USA) - p. 751 [1507]

Gene Encoding the 37,000-Dalton Minor Sigma Factor of *Bacillus subtilis* RNA Polymerase: Isolation, Nucleotide Sequence, Chromosomal Locus, and Cryptic Function. Duncan, M.L. et al. (Davis, USA) - p. 771 [1508]

Nucleotide Sequence Encoding the Flavoprotein and Iron-Sulfur Protein Subunits of the *Bacillus subtilis* PY79 Succinate Dehydrogenase Complex. Phillips, M.K. et al. (Sheffield, UK) - p. 864 [1509]

169 No. 3 1987

Promoter and Nucleotide Sequences of the *Zymomonas mobilis* Pyruvate Decarboxylase. Conway, T. et al. (Gainesville, USA) - p. 949 [1510]

Molecular Cloning and Characterization of the *Streptomyces hygroscopicus* α -Amylase Gene. Hoshiko, S. et al. (Yokohama, Japan) - p. 1029 [1511]

Conservation of Structure and Location of *Rhizobium meliloti* and *Klebsiella pneumoniae* *nifB* Genes. Buikema, W.I. et al. (Boston, USA) - p. 1120 [1512]

Genetic and Structural Analysis of the *Rhizobium meliloti* *fixA*, *fixB*, *fixC*, and *fixX* Genes. Earl, C.D. et al. (Boston, USA) - p. 1127 [1513]

Cloning and Characterization of the 5' Region of the Cell Wall Protein Gene Operon in *Bacillus brevis* 47. Yamagata, H. et al. (Nagoya, Japan) - p. 1239 [1514]

Evolutionary Origin of Pathogenic Determinants in Enterotoxigenic *Escherichia coli* and *Vibrio cholerae* O1. Yamamoto, T. et al. (Tokyo, Japan) - p. 1352 [1515]

169 No. 4 1987

Nucleotide Sequence of the *outB* Locus of *Bacillus subtilis* and Regulation of Its Expression. Albertini, A.M. et al. (Pavia, Italy) - p. 1480 [1516]

Cloning and Nucleotide Sequence of the Gene Coding for Enzymatically Active Fragments of the *Bacillus polymyxa* β -Amylase. Kawazu, T. et al. (Nagoya, Japan) - p. 1564 [1517]

Nucleotide Sequence and Expression of the β -Lactamase Gene from *Staphylococcus aureus* Plasmid pI258 in *Escherichia coli*, *Bacillus subtilis*, and *Staphylococcus aureus*. Wang, P.-Z. and Novick, R.P. (New York, USA) - p. 1763 [1518]

169 No. 5 1987

Phylogenetic Analysis of the Coryneform Bacteria by 5S rRNA Sequences. Park, Y.-H. et al. (Tokyo, Japan) - p. 1801 [1519]

Nucleotide Sequence Analysis of RepFIC, a Basic Replicon Present in IncPI Plasmids P307 and F, and Its Relation to the RepA Replicon of IncFII Plasmids. Saadi, S. et al. (New York, USA) - p. 1836 [1520]

Cloning and Nucleotide Sequence of the *chlD* Locus. Johann, S. and Hinton, S.M. (Cold Spring Harbor, USA) - p. 1911 [1521]

Nucleotide Sequence of the Streptothricin Acetyltransferase Gene from *Streptomyces lavendulae* and Its Expression in Heterologous Hosts. Horinouchi, S. et al. (Tokyo, Japan) - p. 1929 [1522]

Cloning, Nucleotide Sequence, and Genetic Mapping of the Gene for Small, Acid-Soluble Spore Protein γ of *Bacillus subtilis*. Hackett, R.H. and Setlow, P. (Farmington, USA) - p. 1985 [1523]

Endo- β -1,4-Glucanase Gene of *Bacillus subtilis* DLG. Robson, L.M. and Chambliss, G.H. (Madison, USA) - p. 2017 [1524]

Ferric-Coprogen Receptor PhuE of *Escherichia coli*: Processing and Sequence Common to all TonB-Dependent Outer Membrane Receptor Proteins. Sauer, M. et al. (Tübingen, FRG) - p. 2044 [1525]

Gene Fusion is a Possible Mechanism Underlying the Evolution of *STAL*. Yamashita, I. et al. (Hiroshima, Japan) - p. 2142 [1526]

Entire Nucleotide Sequence of the Pullulanase Gene of *Klebsiella aerogenes* W70. Katsuragi, N. et al. (Hiroshima, Japan) - p. 2301 [1527]

The Journal of Biochemistry

100 No. 5 1986

Evolutionary Relationship of Denitrifying Bacteria as Deduced from 5S rRNA Sequences. Ohkubo, S. et al. (Aichi, Japan) - p. 1261 [1528]

Structure of the Carboxy-Terminal Half of Human α_2 -Plasmin Inhibitor Deduced from that of cDNA. Sumi, Y. et al. (Tokyo, Japan) - p. 1399 [1529]

101 No. 1 1987

Primary Structure of Rat Liver Mannan-Binding Protein Deduced from Its cDNA Sequence. Oka, S. et al. (Kyoto, Japan) - p. 135 [1530]

101 No. 2 1987

Molecular Cloning and Sequencing of cDNA Encoding Goat Pre α -Lactalbumin. Kumagai, I. et al. (Tokyo, Japan) - p. 511 [1531]

101 No. 3 1987

Characterization of a Silent Gene for Human Pancreatic Elastase I: Structure of 5'-Flanking Region. Tani, T. et al. (Tokyo, Japan) - p. 591 [1532]

Primary Structures of and Genes for New Ribosomal Proteins A and B in *Escherichia coli*. Wada, A. and Sako, T. (Kyoto, Japan) - p. 817 [1533]

101 No. 4 1987

Gene Structure of Human Cytochrome P-450(SCC), Cholesterol Desmolase. Morohashi, K.-i. et al. (Fukuoka, Japan) - p. 879 [1534]

Structure and Expression of Pea Mitochondrial F₁F₀ATPase α -Subunit Gene and Its Pseudogene Involved in Homologous Recombination. Morikami, A. and Nakamura, K. (Nagoya, Japan) - p. 967 [1535]

The Journal of Biological Chemistry

262 No. 1 1987

Nucleotide Sequence of the *pnp* Gene of *Escherichia coli* Encoding Polynucleotide Phosphorylase. Homology of the Primary Structure of the Protein with the RNA-Binding Domain of Ribosomal Protein S1. Regnier, P. et al. (Paris, France) - p. 63 [1536]

Biosynthetic Thiolase from *Zoogloea ramigera*. III. Isolation and Characterization of the Structural Gene. Peoples, O.P. et al. (Cambridge, USA) - p. 97 [1537]

Sequence of Rat Liver α_2 -Macroglobulin and Acute Phase Control of Its Messenger RNA. Gehring, M.R. et al. (La Jolla, USA) - p. 446 [1538]

Determination of the Nucleotide Sequence for the Exonuclease I Structural Gene (*sbcB*) of *Escherichia coli* K12. Phillips, G.J. and Kushner, S.R. (Athens, USA) - p. 455 [1539]

262 No. 2 1987

The Human Multidrug Resistance (*mdr1*) Gene. cDNA Cloning and Transcription Initiation. Ueda, K. et al. (Bethesda, USA) - p. 505 [1540]

Rat Liver NAD(P)H:Quinone Reductase Nucleotide Sequence Analysis of a Quinone Reductase cDNA Clone and Prediction of the Amino Acid Sequence of the Corresponding Protein. Bayney, R.M. et al. (Rahway, USA) - p. 572 [1541]

Characterization of a cDNA for Human Protein C Inhibitor. A New Member of the Plasma Serine Protease Inhibitor Superfamily. Suzuki, K. et al. (Seattle, USA) - p. 611 [1542]

Isolation, Complementary DNA Sequence, and Regulation of Rat Hepatic Lauric Acid ω -Hydroxylase (Cytochrome P-450_{LAW}). Identification of a New Cytochrome P-450 Gene Family. Hardwick, J.P. et al. (Argonne, USA) - p. 801 [1543]

Molecular Cloning and Characterization of cDNA for Androgen-Repressible Rat Liver Protein, SMP-2. Chatterjee, B. et al. (Rochester, USA) - p. 822 [1544]

Three cDNA Sequences of Mouse Type I Keratins. Cellular Localization of the mRNAs in Normal and Hyperproliferative Tissues. Knapp, B. et al. (Heidelberg, FRG) - p. 938 [1545]

262 No. 3 1987

Isolation and Characterization of the Rat Thyrotropin β -Subunit Gene. Differential Regulation of Two Transcriptional Start Sites by Thyroid Hormone. Carr, F.E. et al. (Brigham, USA) - p. 981 [1546]

The Primary Structure of Rat Ribosomal Protein L19. A Determination from the Sequence of Nucleotides in a cDNA and from the Sequence of Amino Acids in the Protein. Chan, Y.-L. et al. (Chicago, USA) - p. 1111 [1547]

Structure, Organization, and Transcription of *Drosophila* U6 Small Nuclear RNA Genes. Das, G. et al. (Houston, USA) - p. 1187 [1548]

Cloning and Sequencing of Complementary DNAs Encoding the α -Subunit of Translational Initiation Factor eIF-2. Characterization of the Protein and Its Messenger RNA. Ernst, H. et al. (Davis, USA) - p. 1206 [1549]

262 No. 4 1987

Structure and Expression of Murine Malic Enzyme mRNA. Differentiation-Dependent Accumulation of Two Forms of Malic Enzyme mRNA in 3T3-L1 Cells. Bagchi, S. et al. (Bronx, USA) - p. 1558 [1550]

Structural Analysis and Specific Expression of Microsomal Cytochrome P-450(M-1) mRNA in Male Rat Livers. Yoshioka, H. et al. (Tokyo, Japan) - p. 1706 [1551]

Nucleotide Sequence and Hormonal Regulation of Mouse Glycerophosphate Dehydrogenase mRNA During Adipocyte and Muscle Cell Differentiation. Dobson, D.E. et al. (Boston, USA) - p. 1804 [1552]

A Novel Variety of 4.5S RNA from *Codium fragile* Chloroplasts. Francis, M.A. et al. (Stony Brook, USA) - p. 1848 [1553]

Bacteriocuprein Superoxide Dismutase of *Photobacterium leiognathi*. Isolation and Sequence of the Gene and Evidence for a Precursor Form. Steinman, H.M. (Bronx, USA) - p. 1882 [1554]

262 No. 5 1987

Differing Expression Patterns and Evolution of the Rat Kininogen Gene Family. Kitagawa, H. et al. (Kyoto, Japan) - p. 2190 [1555]

262 No. 6 1987

The Cellular Retinol Binding Protein II Gene. Sequence Analysis of the Rat Gene, Chromosomal Localization in Mice and Humans, and Documentation of Its Close Linkage to the Cellular Retinol Binding Protein Gene. Demmer, L.A. et al. (St. Louis, USA) - p. 2458 [1556]

Isolation and Nucleotide Sequence of a *Saccharomyces cerevisiae* Protein Kinase Gene Suppressing the Cell Cycle Start Mutation *cdc25*. Lisiewicz, J. et al. (Göttingen, FRG) - p. 2549 [1557]

Isolation and Characterization of a cDNA Encoding a Chick α -Actinin. Baron, M.D. et al. (Leicester, UK) - p. 2558 [1558]

Exon Structure of a Mannose-Binding Protein Gene Reflects Its Evolutionary Relationship to the Asialoglycoprotein Receptor and Nonfibrillar Collagens. Drickamer, K. and McCreary, V. (New York, USA) - p. 2582 [1559]

Rat Testosterone 7 α -Hydroxylase. Isolation, Sequence, and Expression of cDNA and Its Developmental Regulation and Induction by 3-Methylcholanthrene. Nagata, K. et al. (Bethesda, USA) - p. 2787 [1560]

Prostatic Spermine-Binding Protein. Cloning, and Nucleotide Sequence of cDNA, Amino Acid Sequence, and Androgenic Control of mRNA Level. Chang, C. et al. (Chicago, USA) - p. 2826 [1561]

Molecular Characterization of the Yeast *PRT1* Gene in Which Mutations Affect Translation Initiation and Regulation of Cell Proliferation. Hamic-Joyce, P.J. et al. (Halifax, Canada) - p. 2845 [1562]

Rearranged Coding Segments, Separated by a Transfer RNA Gene, Specify Two Parts of a Discontinuous Large Subunit Ribosomal RNA in *Tetrahymena pyriformis* Mitochondria. Heinonen, T.Y.K. et al. (Halifax, Canada) - p. 2879 [1563]

Molecular Cloning and Nucleotide Sequence of cDNA Encoding Hydroxyindole O-Methyltransferase of Bovine Pineal Glands. Ishida, I. et al. (Tokyo, Japan) - p. 2895 [1564]

262 No. 7 1987

Structure of the Gene Encoding the Circumsporozoite Protein of *Plasmodium yoelii*. A Rodent Model for Examining Antimalarial Sporozoite Vaccines. Lal, A.A. et al. (Bethesda, USA) - p. 2937 [1565]

Molecular Cloning and Sequence Analysis of cDNA for Batroxobin, a Thrombin-Like Snake Venom Enzyme. Itoh, N. et al. (Kyoto, Japan) - p. 3132 [1566]

cDNA Cloning and Amino Acid Sequence of Bovine Brain 2',3'-Cyclic-Nucleotide 3'-Phosphodiesterase. Kurihara, T. et al. (Niigata, Japan) - p. 3256 [1567]

Nucleotide Sequence of the *asd* Gene of *Streptococcus* Mutants. Identification of the Promoter Region and Evidence for Attenuator-Like Sequences Preceding the Structural Gene. Cardinaeu, G.A. and Curtiss, R. (Birmingham, USA) - p. 3344 [1568]

Assembly of the Mitochondrial Membrane System. *MRP1* and *MRP2*, Two Yeast Nuclear Genes Coding for Mitochondrial Ribosomal Proteins. Myers, A.M. et al. (New York, USA) - p. 3388 [1569]

262 No. 8 1987

Reduction in S100 Protein β Subunit mRNA in C6 Rat Glioma Cells Following Treatment with Anti-Microtubular Drugs. Dunn, R. et al. (Toronto, Canada) - p. 3562 [1570]

Closely Related α -Tropomyosin mRNAs in Quail Fibroblasts and Skeletal Muscle Cells. Hallauer, P.L. et al. (Charlottesville, USA) - p. 3590 [1571]

Isolation and Characterization of the Yeast Gene Coding for the α Subunit of Mitochondrial Phenylalanyl-tRNA Synthetase. Koerner, T.J. et al. (New York, USA) - p. 3690 [1572]

cDNA Cloning and Expression in *Escherichia coli* of a Plasminogen Activator Inhibitor from Human Placenta. Ye, R.D. et al. (St. Louis, USA) - p. 3718 [1573]

Adult Forms of the Ca²⁺ ATPase of Sarcoplasmic Reticulum. Expression in Developing Skeletal Muscle. Brandl, C.J. et al. (Toronto, Canada) - p. 3768 [1574]

Molecular Cloning and Characterization of cDNA for Human Myeloperoxidase. Morishita, K. et al. (Tokyo, Japan) - p. 3844 [1575]

The Structure of the Rat Glutathione S-Transferase P Gene and Related Pseudogenes. Okuda, A. et al. (Tokyo, Japan) - p. 3858 [1576]

262 No. 9 1987

Protein Sequence of Endothelial Glycoprotein IIIa Derived from a cDNA Clone. Identity with Platelet Glycoprotein IIIa and Similarity to "Integrin". Fitzgerald, L.A. et al. (San Francisco, USA) - p. 3936 [1577]

Structure, Organization, and Regulation of a Hamster Proline-Rich Protein Gene, A Multigene Family. Ann, D.K. et al. (Davis, USA) - p. 3958 [1578]

Heterogeneity of Amelogenin mRNA in the Bovine Tooth Germ. Shimokawa, H. et al. (Bethesda, USA) - p. 4042 [1579]

The Rabbit Muscle Phosphofructokinase Gene. Implications for Protein Structure, Function and Tissue Specificity. Lee, C.-P. et al. (Baton Rouge, USA) - p. 4195 [1580]

Complementation of Mutations and Nucleotide Sequence of *PAS1* Gene Encoding β Subunit of Yeast Fatty Acid Synthase. Chirala, S.S. et al. (Houston, USA) - p. 4231 [1581]

Growth Hormone Induces Two mRNA Species of the Serine Protease Inhibitor Gene Family in Rat Liver. Yoon, J.-B. et al. (Minneapolis, USA) - p. 4284 [1582]

Molecular Cloning of a cDNA for a Human ADP/ATP Carrier Which is Growth-Regulated. Battini, R. et al. (Philadelphia, USA) - p. 4355 [1583]

Journal of Cancer Research and Clinical Oncology

113 No. 1 1987

Nucleotide Sequence Comparison of the Predicted First Exonic Region of Goldfish *ras* Gene Between Normal and Neoplastic Tissues. Nemoto, N. et al. (Tokyo, Japan) - p. 56 [1584]

Journal of Cellular Biochemistry

33 No. 3 1987

Structure and Evolution of the Human Genes Encoding Protein C and Coagulation Factor IX. Long, G.L. (Burlington, USA) - p. 185 [1585]

Journal of General Virology

67 Part 4 1986

Evolutionary Comparison of the S Segments in the Genomes of Herpes Simplex Virus Type 1 and Varicella-Zoster Virus. Davison, A.J. and McGeoch, D.J. (Glasgow, UK) - p. 597 [1586]

Evidence that the 'Active Centre' of the Herpes Simplex Virus Thymidine Kinase Involves an Interaction Between Three Distinct Regions of the Polypeptide. Darby, G. et al. (Cambridge, UK) - p. 753 [1587]

67 Part 5 1986

Nucleotide Sequence of cDNA Encoding the Outer Capsid Protein, VP5, a Bluetongue Virus Serotype 10. Purdy, M.A. et al. (Birmingham, USA) - p. 957 [1588]

67 Part 6 1986

Location and Nucleotide Sequence of the *Orgyia pseudotsugata* Single Nucleocapsid Nuclear Polyhedrosis Virus Polyhedrin Gene. Leisy, D. et al. (Corvallis, USA) - p. 1073 [1589]

Analysis of Structural Properties Which Possibly Are Characteristic for the 3'-Terminal Sequence of the Genome RNA of Flaviviruses. Wengler, G. and Castle, E. (Giessen, FRG) - p. 1183 [1590]

67 Part 7 1986

The Nucleotide Sequence of Tomato Black Ring Virus RNA-2. Meyer, M. et al. (Strasbourg, France) - p. 1257 [1591]

67 Part 8 1986

Cloning and Expression of a Viral Phosphoprotein: Structure Suggests Vesicular Stomatitis Virus NS May Function by Mimicking an RNA Template. Hudson, L.D. et al. (Bethesda, USA) - p. 1571 [1592]

A Viroid Resembling Hop Stunt Viroid in Grapevines from Europe, the United States and Japan. Sano, T. et al. (Sapporo, Japan) - p. 1673 [1593]

Nucleotide Sequence of Beet Necrotic Yellow Virus RNA-2. Bouzoubaa, S. et al. (Strasbourg, France) - p. 1689 [1594]

Molecular Biology and Evolution

4 No. 1 1987

Invasion of the Human Albumin- α -Fetoprotein Gene Family by Alu, Kpn, and Two Novel Repetitive DNA Elements. Ruffner, D.E. et al. (Riverside, USA) - p. 1 [1595]

Molecular Evolution of Rodent Insulins. Beintema, J.J. and Campagne, R.M. (Groningen, NL) - p. 10 [1596]

4 No. 2 1987

Evolution of the 28S Ribosomal RNA Gene in Anurans: Regions of Variability and Their Phylogenetic Implications. Hillis, D.M. and Davis, S.K. (Coral Gables, USA) - p. 117 [1597]

Molecular and Cellular Biology

6 No. 12 1986

An Unusual Adenine Phosphoribosyltransferase Pseudogene is Syntactic With Its Functional Gene and is Flanked by Highly Polymorphic DNAs. Dush, M.K. et al. (Cincinnati, USA) - p. 4161 [1598]

Isolation and Oncogenic Potential of a Novel Human *src*-Like Gene. Kawakami, T. et al. (Bethesda, USA) - p. 4195 [1599]

Structure of the *Saccharomyces cerevisiae* HQ Gene and Analysis of Its Upstream Regulatory Region. Russell, D.W. et al. (Vancouver, Canada) - p. 4281 [1600]

Sequence and Expression of the Chicken β - and δ -Tubulin Genes Define a Pair of Divergent β -Tubulins with Complementary Patterns of Expression. Sullivan, K.F. et al. (Baltimore, USA) - p. 4409 [1601]

The *SPS4* Gene of *Saccharomyces cerevisiae* Encodes a Major Sporulation-Specific mRNA. Garber, A.T. and Segall, J. (Toronto, Canada) - p. 4478 [1602]

Mitochondrial and Nonmitochondrial Citrate Synthases in *Saccharomyces cerevisiae* are Encoded by Distinct Homologous Genes. Rosenkrantz, M. et al. (Cambridge, USA) - p. 4509 [1603]

The MES-1 Murine Enhancer Element is Closely Associated with the Heterogeneous 5' Ends of Two Divergent Transcription Units. Williams, T.J. and Fried, M. (London, UK) - p. 4558 [1604]

The Chicken Ubiquitin Gene Contains a Heat Shock Promoter and Expresses an Unstable mRNA in Heat-Shocked Cells. Bond, U. and Schlesinger, M.J. (St. Louis, USA) - p. 4602 [1605]

Molecular Basis for Heterogeneity of the Human p53 Protein. Harris, N. et al. (Rehovot, Israel) - p. 4650 [1606]

Conserved Sequences and Transcription of the hsp70 Gene Family in *Trypanosoma brucei*. Glass, D.J. et al. (New York, USA) - p. 4657 [1607]

Multiple Transcripts from the Antennapedia Gene of *Drosophila melanogaster*. Stroehrer, V.L. et al. (Seattle, USA) - p. 4667 [1608]

Structure of Transcripts from the Homeotic Antennapedia Gene of *Drosophila melanogaster*: Two Promoters Control the Major Protein-Coding Region. Laughon, A. et al. (Boulder, USA) - p. 4676 [1609]

Transcriptional Control of the Mouse Prealbumin (Transthyretin) Gene: Both Promoter Sequences and a Distinct Enhancer Are Cell Specific. Costa, R.H. et al. (New York, USA) - p. 4697 [1610]

7 No. 4 1987

Cloning and Characterization of *BCY1*, a Locus Encoding a Regulatory Subunit of the Cyclic AMP-Dependent Protein

Kinase in *Saccharomyces cerevisiae*. Toda, T. et al. (Cold Spring Harbor, USA) - p. 1371 [1611]

ret Transforming Gene Encodes a Fusion Protein Homologous to Tyrosine Kinase. Takahashi, M. and Cooper, G.M. (Boston, USA) - p. 1378 [1612]

Ingi, a 5.2-kb Dispersed Sequence Element from *Trypanosoma brucei* That Carries Half of a Smaller Mobile Element at Either End and Has Homology with Mammalian LINES. Kimmel, B.E. et al. (Nairobi, Kenya) - p. 1465 [1613]

The Nontranscribed Chicken Calmodulin Pseudogene Cross-Hybridizes with mRNA from the Slow-Muscle Troponin C Gene. Putkey, J.A. et al. (Houston, USA) - p. 1549 [1614]

Human Retroviral Sequences on the Y Chromosome. Silver, J. et al. (Bethesda, USA) - p. 1559 [1615]

Cloning, Sequence Determination, and Expression in Transfected Cells of the Coding Sequence for the *tox* 176 Attenuated Diphtheria Toxin A Chain. Maxwell, F. et al. (Denver, USA) - p. 1576 [1616]

7 No. 5 1987

Molecular Genetics of Androgen-Dependent and -Independent Expression of Mouse Sex-Limited Protein. Stavenhagen, J. et al. (New York, USA) - p. 1716 [1617]

Primary Structure of Human Nuclear Ribonucleoprotein Particle C Proteins: Conservation of Sequence and Domain Structures in Heterogeneous Nuclear RNA, mRNA, and Pre-rRNA-Binding Proteins. Swanson, M.S. et al. (Evanston, USA) - p. 1731 [1618]

Structure and Expression of the Chicken Ferritin H-Subunit Gene. Stevens, P.W. et al. (Evanston, USA) - p. 1751 [1619]

Structure and Expression of the *Saccharomyces cerevisiae* *CRY1* Gene: a Highly Conserved Ribosomal Protein Gene. Larkin, J.C. et al. (Pittsburgh, USA) - p. 1764 [1620]

Identification and Characterization of cDNA Clones Encoding Two Homologous Proteins that are Part of the α 2-Macroglycoprotein Receptor. McPhaul, M. and Berg, P. (Stanford, USA) - p. 1841 [1621]

Multiple Calmodulin mRNA Species are Derived from Two Distinct Genes. Nojima, H. et al. (Tochigi-ken, Japan) - p. 1873 [1622]

Conservation of Promoter Sequence but Not Complex Intron Splicing Pattern in Human and Hamster Genes for 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase. Luskey, K.L. (Dallas, USA) - p. 1881 [1623]

Nucleotide Sequences of Liver, Lacrymal, and Submaxillary Gland Mouse Major Urinary Protein mRNAs: Mosaic Structure and Construction of Panels of Gene-Specific Synthetic Oligonucleotide Probes. Shahan, K. et al. (New York, USA) - p. 1938 [1624]

Chromatin Structure of the HLA-DRA Gene in Different Functional States of Major Histocompatibility Complex Class II Gene Expression. Peterlin, B.M. et al. (San Francisco, USA) - p. 1967 [1625]

DNA Sequence Encoding the Amino Terminal Region of the Human *c-src* Protein: Implications of Sequence Divergence Among *src*-Type Kinase Oncogenes. Tanaka, A. et al. (London, Canada) - p. 1978 [1626]

DNA Sequence Homologous to the *Drosophila opa* Repeat are Present in Murine mRNAs that are Differentially Expressed in Fetuses and Adult Tissues. Douboule, D. et al. (Strasbourg, France) - p. 2003 [1627]

Murine DNA Polymerase β Gene: Mapping of Transcription Initiation Sites and the Nucleotide Sequence of the Putative Promoter Region. Yamaguchi, M. et al. (Nagoya, Japan) - p. 2012 [1628]

Proceedings of the National Academy of Sciences of the USA

84 No. 3 1987

cDNA and Derived Amino Acid Sequence of Ethanol-Inducible Rabbit Liver Cytochrome P-450 Isozyme 3a (P-450^{ALC}). Khani, S.C. et al. (Ann Arbor, USA) - p. 638 [1629]

Nucleotide Sequence of *Bacillus subtilis* *dnaB*: A Gene Essential for DNA Replication Initiation and Membrane Attachment. Hoshino T. et al. (Boulder, USA) - p. 653 [1630]

Cloning, Sequencing, and Expression of cDNA for Human β -Glucuronidase. Oshima, A. et al. (St. Louis, USA) - p. 685 [1631]

Cloning and Sequencing of Human Intestinal Alkaline Phosphatase cDNA. Berger, J. et al. (Nutley, USA) - p. 695 [1632]

Amino Acid Sequence of S-Adenosyl-L-Homocysteine Hydrolase from Rat Liver as Derived from the cDNA Sequence. Ogawa, H. et al. (Toyoma, Japan) - p. 719 [1633]

Wound-Inducible Expression of a Potato Inhibitor II-Chloramphenicol Acetyltransferase Gene Fusion in Transgenic Tobacco Plants. Thornburg, R.W. et al. (Pullman, USA) - p. 744 [1634]

Expression of the Nuclear Gene Encoding Oxygen-Evolving Enhancer Protein 2 is Required for High Levels of Photosynthetic Oxygen Evolution in *Chlamydomonas reinhardtii*. Mayfield, S.P. et al. (Geneva, Switzerland) - p. 749 [1635]

Nucleotide Sequence and Characterization of the 5' Flanking Region of the Rat Ha-ras Protooncogene. Damante, G. et al. (San Francisco, USA) - p. 774 [1636]

Characterization of Two Members of the rho Gene Family from the Yeast *Saccharomyces cerevisiae*. Madaule, P. et al. (New York, USA) - p. 779 [1637]

Molecular Mapping of Point Mutations in the Period Gene that Stop or Speed Up Biological Clocks in *Drosophila melanogaster*. Yu, Q. et al. (Waltham, USA) - p. 784 [1638]

Human Lymphocyte Fc Receptor for IgE: Sequence Homology of Its Cloned cDNA with Animal Lectins. Ikuta, K. et al. (Kyoto, Japan) - p. 819 [1639]

Three Rat Preprotachykinin mRNAs Encode the Neuropeptides Substance P and Neurokinin A. Krause, J.E. et al. (St. Louis, USA) - p. 881 [1640]

Identification of a cDNA Coding for a Fifth Form of Myelin Basic Protein in Mouse. Newman, S. et al. (Los Angeles, USA) - p. 886 [1641]

84 No. 4 1987

Sequence of the cDNA Encoding the Laminin B1 Chain Reveals a Multidomain Protein Containing Cysteine-Rich Repeats. Sasaki, M. et al. (Bethesda, USA) - p. 935 [1642]

Partial Characterization of a Low Molecular Weight Human Collagen that Undergoes Alternative Splicing. Pihlajaniemi, T. et al. (Oulu, Finland) - p. 940 [1643]

Amino Acid Sequence of the mRNA Cap-Binding Protein from Human Tissues. Rychlik, W. et al. (Lexington, USA) - p. 945 [1644]

Isolation of cDNA Clones Encoding Protein Kinase C: Evidence for a Protein Kinase C-Regulated Gene Family. Housey, G.M. et al. (New York, USA) - p. 1065 [1645]

Homologous Subfamilies of Human Alphoid Repetitive DNA on Different Nucleolus Organizing Chromosomes. Jørgensen, A.B. et al. (Aarhus, Denmark) - p. 1075 [1646]

Nucleotide Sequences of Immunoglobulin ϵ Genes of Chimpanzee and Orangutan: DNA Molecular Clock and Hominoid Evolution. Sakoyama, Y. et al. (Osaka, Japan) - p. 1080 [1647]

84 No. 5 1987

Cloning, Sequence and Expression of the Lysostaphin Gene from *Staphylococcus simulans*. Recsei, P.A. et al. (New York, USA) - p. 1127 [1648]

Cloning and Tissue-Specific Expression of Mouse Macrophage Colony-Stimulating Factor mRNA. Rajavashisth, T.B. et al. (Los Angeles, USA) - p. 1157 [1649]

Amino Acid Sequence of Rabbit Fast-Twitch Skeletal Muscle Calsequestrin Deduced from cDNA and Peptide Sequencing. Pliegel, L. et al. (Toronto, Canada) - p. 1167 [1650]

Prokaryotic and Eukaryotic RNA Polymerases Have Homologous Core Subunits. Sweetser, D. et al. (Cambridge, USA) - p. 1192 [1651]

Nucleotide and Amino Acid Sequences of Human Intestinal Alkaline Phosphatase: Close Homology to Placental Alkaline Phosphatase. Henthorn, P.S. et al. (Philadelphia, USA) - p. 1234 [1652]

Bizarre tRNAs Inferred from DNA Sequences of Mitochondrial Genomes of Nematode Worms. Wolstenholme, D.R. et al. (Salt Lake City, USA) - p. 1324 [1653]

Virus Research

7 No. 1 1987

Nucleotide Sequence of the Most Abundantly Transcribed Early Gene of Human Cytomegalovirus Strain AD169. Greenaway, P.J. and Wilkinson, G.W.G. (Salisbury, UK) - p. 17 [1654]

PRIMARY STRUCTURES OF PROTEINS

American Journal of Physiology

252 No. 2 Part 1 1987

CKK-5: Sequence Analysis of a Small Cholecystokinin from Canine Brain and Intestine. Shively, J. et al. (Duarte, USA) - p. G272 [1655]

Archives of Biochemistry and Biophysics

254 No. 1 1987

Complete Amino Acid Sequence of 21-Hydroxylase Cytochrome P-450 from Porcine Adrenal Microsomes. Haniu, M. et al. (Duarte, USA) - p. 380 [1656]

Biochemical and Biophysical Research Communications

142 No. 3 1987

Relation of Streptococcal M Protein with Human and Rabbit Tropomyosin: The Complete Amino Acid Sequence of Human Cardiac α -Tropomyosin, a Highly Conserved Contractile Protein. Mischa, S.M. et al. (New York, USA) - p. 813 [1657]

143 No. 1 1987

Relaxin from an Oviparous Species, the Skate (*Raja erinacea*). Bullesbach, E.E. et al. (Charleston, USA) - p. 273 [1658]

144 No. 1 1987

Partial Primary Structure of Human and Murine Macrophage Colony Stimulating Factor (CSF-1). Boosman, A. et al. (Emeryville, USA) - p. 74 [1659]

Biochimie

69 No. 2 1987

The Complete Amino Acid Sequence of the Human Aldolase C Isozyme Derived from Genomic Clones. Rottmann, W.H. et al. (Berkeley, USA) - p. 137 [1660]

FEBS Letters

214 No. 1 1987

Petuin: The Bovine Homologue of Human α_{2} HS Glycoprotein. Christie, D.L. et al. (Auckland, New Zealand) - p. 45 [1661]

Primary Structure of Glucagon From the Gut of the Common Dogfish (*Scyliorhinus canicula*). Conlon, J.M. et al. (Göttingen, FRG) - p. 50 [1662]

The Amino-Acid Sequences of Sculpin Islet Somatostatin-28 and Peptide YY. Cutfield, S.M. et al. (Dunedin, New Zealand) - p. 57 [1663]

214 No. 2 1987

Studies on Rationales for an Expert System Approach to the Interpretation of Protein Sequence Data. Preliminary Analysis of the Human Epidermal Growth Factor Receptor. Fishleigh, R.V. et al. (Manchester, UK) - p. 219 [1664]

Amino Acid Sequence of β -Galactoside-Binding Bovine Heart Lectin. Member of a Novel Class of Vertebrate Proteins. Southan, C. et al. (London, UK) - p. 301 [1665]

International Journal of Peptide and Protein Research

29 No. 2 1987

Isolation and Sequence Determination of Trichorzianines A Antifungal Peptides from *Trichoderma harzianum*. El Hajji, M. et al. (Paris, France) - p. 207 [1666]

Amino Acid Sequence of Toxin XI of the Scorpion *Buthus occitanus tunstanus*. Evidence of a Mutation Having an Important Effect Upon Neurotoxic Activity. Sampieri, F. et al. (Marseilles, France) - p. 231 [1667]

The Journal of Biochemistry

101 No. 1 1987

Amino Acid Sequence of Thermostable Direct Hemolysin Produced by *Vibrio parahaemolyticus*. Tsunasawa, S. et al. (Osaka, Japan) - p. 111 [1668]

Homology of *Escherichia coli* B Glutathione Synthetase with Dihydrofolate Reductase in Amino Acid Sequence and Substrate Binding Site. Kato, H. et al. (Kyoto, Japan) - p. 207 [1669]

101 No. 3 1987

Complete Amino Acid Sequence of 14 kDa β -Galactoside-Binding Lectin of Chick Embryo. Hirabayashi, J. et al. (Kanagawa, Japan) - p. 775 [1670]

101 No. 4 1987

Complete Amino Acid Sequence of Cytochrome c_{551} from *Erythrobacter* Species Strain OCh 114. Okamura, K. et al. (Fukuoka, Japan) - p. 957 [1671]

Primary Structures of M6 and M7 of Mugiline 8 (Mugil japonicus). Okamoto, Y. et al. (Fukuoka, Japan) - p. 1017 [1672]

The Journal of Biological Chemistry

262 No. 2 1987

Amino Acid Sequences of α -Factor Mating Peptides from Saccharomyces cerevisiae. Betz, R. et al. (Bochum, FRG) - p. 546 [1673]

Complete Amino Acid Sequence of Human Serum Cholinesterase. Lockridge, O. et al. (Ann Arbor, USA) - p. 549 [1674]

Structural and Catalytic Characteristics of Escherichia coli Adenylate Kinase. Saint Girons, I. et al. (Paris, France) - p. 622 [1675]

262 No. 3 1987

The Primary Structures of Iron-Superoxide Dismutase from Photobacterium leiognathi. Barra, D. et al. (Roma, Italy) - p. 1001 [1676]

Heavy Riboflavin Synthase of Bacillus subtilis. Primary Structure of the β Subunit. Ludwig, H.C. et al. (Martinsried, FRG) - p. 1016 [1677]

Amino Acid Sequence of a Novel Calmodulin from Paramecium tetraurelia That Contains Dimethyllysine in the First Domain. Schaefer, W.H. et al. (Nashville, USA) - p. 1025 [1678]

262 No. 4 1987

Amino Acid Sequence of Rhizopuspepsin Isozyme pI 5. Delaney, R. et al. (Oklahoma City, USA) - p. 1461 [1679]

The Amino Acid Sequence of Rhizopuspepsin, an Aspartic Proteinase from Rhizopus chinensis. Takahashi, K. (Tokyo, Japan) - p. 1468 [1680]

Primary Structure of Human α_2 -Antiplasmin, a Serine Protease Inhibitor (Serpine). Holmes, W.E. et al. (Leuven, Belgium) - p. 1659 [1681]

262 No. 6 1987

The Primary Structure of a New M_{18,000} Calcium Vector Protein from Amphioxus. Kobayashi, T. et al. (Sendai, Japan) - p. 2613 [1682]

Primary Structure of an Analog of Crustacean Pigment-Dispersing Hormone from the Lubber Grasshopper Romalea microptera. Rao, K.R. et al. (Pensacola, USA) - p. 2672 [1683]

Bovine High Molecular Weight Kininogen. The Amino Acid Sequence, Positions of Carbohydrate Chains and Disulfide Bridges in the Heavy Chain Portion. Sueyoshi, T. et al. (Fukuoka, Japan) - p. 2768 [1684]

262 No. 7 1987

Lecithin:Cholesterol Acyltransferase. Functional Regions and a Structural Model of the Enzyme. Yang, C.-y. et al. (Houston, USA) - p. 3086 [1685]

Amino Acid Sequence of the Monomer Subunit of the Extracellular Hemoglobin of Lumbricus terrestris. Shishikura, F. et al. (Detroit, USA) - p. 3123 [1686]

262 No. 9 1987

Complete Amino Acid Sequence of PO Protein in Bovine Peripheral Nerve Myelin. Sakamoto, Y. et al. (Saitama, Japan) - p. 4208 [1687]

The Journal of Cell Biology

104 No. 4 1987

The Amino Acid Sequences of the Myelin-Associated Glycoproteins: Homology to the Immunoglobulin Gene Superfamily. Salzer, J.L. et al. (New York, USA) - p. 957 [1688]

Journal of Lipid Research

28 No. 3 1987

Primary Structure of Apolipoprotein A-II from Inbred Mouse Strain BALB/c. Miller, C.G. et al. (Duarte, USA) - p. 311 [1689]

Peptides

8 No. 1 1987

Sequence of Small Cardioactive Peptide A: A Second Member of a Class of Neuropeptides in Aplysia. Lloyd, P.E. et al. (Chicago, USA) - p. 179 [1690]

Proceedings of the National Academy of Sciences of the USA

84 No. 4. 1987

Gonadotropin-Releasing Peptide from Human Follicular Fluid: Isolation, Characterization, and Chemical Synthesis. Li, C.H. et al. (San Francisco, USA) - p. 959 [1691]

Compiled by L. Träger