

JOURNAL OF VIROLOGY

Volume 53

April 1985

No. 1

ANIMAL VIRUSES

Hemagglutinin-Neuraminidase Protein of the Paramyxovirus Simian Virus 5: Nucleotide Sequence of the mRNA Predicts an N-Terminal Membrane Anchor. Scott W. Hiebert, Reay G. Paterson, and Robert A. Lamb	1-6
Mapping and Sequence of the Gene for the Pseudorabies Virus Glycoprotein Which Accumulates in the Medium of Infected Cells. Thomas J. Rea, James G. Timmins, Graham W. Long, and Leonard E. Post	21-29
In Vitro Mutagenesis of the Promoter Region for a Vaccinia Virus Gene: Evidence for Tandem Early and Late Regulatory Signals. Mark A. Cochran, Carmie Puckett, and Bernard Moss	30-37
Studies of Defective Interfering RNAs of Sindbis Virus With and Without tRNA^{ASP} Sequences at Their 5' Termini. Manuel Tsiang, Stephan S. Monroe, and Sondra Schlesinger	38-44
P3HR-1 Epstein-Barr Virus with Heterogeneous DNA Is an Independent Replicon Maintained by Cell-to-Cell Spread. George Miller, Lee Heston, and Jill Countryman	45-52
Cytotoxic T-Lymphocyte Reactivity with Individual Sendai Virus Glycoproteins. Mohammed N. Al-Ahdal, Ichiro Nakamura, and Thomas D. Flanagan	53-57
The Envelope-Associated 22K Protein of Human Respiratory Syncytial Virus: Nucleotide Sequence of the mRNA and a Related Polytranscript. Peter L. Collins and Gail W. Wertz.....	65-71
Posttranscriptional Control of DHFR Gene Expression During Adenovirus 2 Infection. Sharon S. Yoder and Susan M. Berget	72-77
Infectious Hepatitis A Virus Particles Produced in Cell Culture Consist of Three Distinct Types with Different Buoyant Densities in CsCl. Stanley M. Lemon, Robert W. Jansen, and John E. Newbold.....	78-85
Genetic Analysis of the Susceptibility of Mouse Cytomegalovirus to Acyclovir. Gordon R. Sandford, John R. Wingard, Jonathan W. Simons, Steven P. Staal, Rein Saral, and William H. Burns	104-113
The Minimum Transforming Region of <i>v-abl</i> Is the Segment Encoding Protein-Tyrosine Kinase. Ron Prywes, J. Gordon Foulkes, and David Baltimore	114-122
Protein Stabilization Explains the <i>gag</i> Requirement for Transformation of Lymphoid Cells by Abelson Murine Leukemia Virus. Ron Prywes, Jennifer Hoag, Naomi Rosenberg, and David Baltimore	123-132
Generation of Glucocorticoid-Responsive Moloney Murine Leukemia Virus by Insertion of Regulatory Sequences from Murine Mammary Tumor Virus into the Long Terminal Repeat. Joan Overhauser and Hung Fan	133-144
Specific Properties of Two Enteric Adenovirus 41 Clones Mapped Within Early Region 1A. Annica K. Allard, Göran Wadell, K. Magnus Evander, and G. K. Kristina Lindman	151-160
In Vitro Transcription Analysis of the Viral Promoter Involved in <i>c-myc</i> Activation in Chicken B Lymphomas: Detection and Mapping of Two RNA Initiation Sites Within the Reticuloendotheliosis Virus Long Terminal Repeat. Anthony A. Ridgway, Robert Alan Swift, Hsing-Jien Kung, and Donald J. Fujita	161-170

Continued on following page

Sequence Analysis of the Termini of Virion and Replicative Forms of Minute Virus of Mice DNA Suggests a Modified Rolling Hairpin Model for Autonomous Parvovirus DNA Replication. Caroline R. Astell, Marie B. Chow, and David C. Ward	171-177
Molecular Cloning of Two Paralytogenic, Temperature-Sensitive Mutants, <i>ts1</i> and <i>ts7</i>, and the Parental Wild-Type Moloney Murine Leukemia Virus. P. H. Yuen, D. Malehorn, C. Nau, M. M. Soong, and P. K. Y. Wong	178-185
Use of Antibodies Directed Against Synthetic Peptides for Identifying cDNA Clones, Establishing Reading Frames, and Deducing the Gene Order of Measles Virus. Christopher D. Richardson, Alla Berkovich, Shmuel Rozenblatt, and William J. Bellini	186-193
Both <i>trans</i>-Acting Factors and Chromatin Structure Are Involved in the Regulation of Transcription from the Early and Late Promoters in Simian Virus 40 Chromosomes. Lois C. Tack and Peter Beard	207-218
Different Membrane Anchors Allow the Semliki Forest Virus Spike Subunit E2 to Reach the Cell Surface. Heimo Riedel	224-228
Primer Binding Sites Corresponding to Several tRNA Species Are Present in DNAs of Different Members of the Same Retrovirus-Like Gene Family (VL30). Ahuva Itin and Eli Keshet	236-239

BACTERIAL VIRUSES

Isolation and Partial Characterization of a Bacteriophage T5 Mutant Unable to Induce Thymidylate Synthetase and Its Use in Studying the Effect of Uracil Incorporation Into DNA on Early Gene Expression. W. J. Swart, Jr., and H. R. Warner	86-91
Detection and Physical Map of a ω^{tox+}-Related Defective Prophage in <i>Corynebacterium diphtheriae</i> Belfanti 1030(-)$^{tox-}$. R. Rappuoli, G. Ratti, M. Perugini, and J. R. Murphy	194-198
Analysis of Spontaneous Deletion Mutants of Satellite Bacteriophage P4. Sandro Raimondi, Rosangela Donghi, Anna Montaguti, Augusto Pessina, and Gianni Dehò	233-235

VIRAL PATHOGENESIS AND IMMUNITY

A Monoclonal Antibody that Neutralizes Poliovirus by Cross-Linking Virions. Adri A. M. Thomas, Paul Brioen, and Albert Boeyé	7-13
Neutralizing Monoclonal Antibodies to Human Rotavirus and Indications of Antigenic Drift Among Strains from Neonates. Barbara S. Coulson, Kerry J. Fowler, Ruth F. Bishop, and Richard G. H. Cotton	14-20
Protection Against Rotavirus-Induced Gastroenteritis in a Murine Model by Passively Acquired Gastrointestinal But Not Circulating Antibodies. Paul A. Offit and H. Fred Clark	58-64
Virus-Receptor Interaction in the Adenovirus System: Characterization of the Positive Cooperative Binding of Virions on HeLa Cells. Robert Persson, Claes Wohlfart, Ulla Svensson, and Einar Everitt	92-97
Human Leukocytes Kill Varicella-Zoster Virus-Infected Fibroblasts in the Presence of Murine Monoclonal Antibodies to Virus-Specific Glycoproteins. Masahiro Ito, Toshiaki Ihara, Charles Grose, and Stuart Starr	98-103
Characterization of Virulent and Avirulent A/Chicken/Pennsylvania/83 Influenza A Viruses: Potential Role of Defective Interfering RNAs in Nature. W. J. Bean, Y. Kawaoka, J. M. Wood, J. E. Pearson, and R. G. Webster	151-160

Continued from preceding page

Monoclonal Antibodies Specific for African Swine Fever Virus Proteins. Antonio Sanz, Blanca García-Barreno, Maria Luisa Nogal, Eladio Viñuela, and Luis Enjuanes	199-206
Persistence of Echovirus 6 in Cloned Human Cells. John P. Gibson and V. Fay Righthand	219-223
Inhibitory Effect of Interferon on the Genetic and Oncogenic Transformation by Viral and Cellular Genes. Manuel Perucho and Mariano Esteban	229-232
Cytomegalovirus Early and Late Membrane Antigens Detected by Antibodies in Human Convalescent Sera. J. M. Middeldorp, J. Jongsma, and T. H. The	240-244

ERRATUM

mRNAs from Human Adenovirus 2 Early Region 4. Anders Virtanen, Pascale Gilardi, Anders Näslund, Jean Michel LeMoullec, Ulf Pettersson, and Michel Perricaudet.	245
--	-----

Date of Issue: 12 March 1985