

# MOLECULAR AND CELLULAR BIOLOGY

Volume 6

October 1986

No. 10

<b>Transcriptional Analysis of Ty1 Deletion and Inversion Derivatives at <i>CYC7</i>.</b> Mahshid Company and Beverly Errede .....	3299-3311
<b>Sites of P Element Insertion and Structures of P Element Deletions in the 5' Region of <i>Drosophila melanogaster</i> <i>RpII215</i>.</b> Lillie L. Searles, Arno L. Greenleaf, W. Evans Kemp, and Robert A. Voelker .....	3312-3319
<b>Expression of the <i>Saccharomyces cerevisiae</i> Inositol-1-Phosphate Synthase (<i>INO1</i>) Gene Is Regulated by Factors That Affect Phospholipid Synthesis.</b> Jeanne P. Hirsch and Susan A. Henry .....	3320-3328
<b>Multiple Sequence Elements Are Required for Maximal In Vitro Transcription of a Human Histone H2B Gene.</b> Hazel L. Sive, Nathaniel Heintz, and Robert G. Roeder .....	3329-3340
<b>Differential Response to Retinoic Acid of Syrian Hamster Embryo Fibroblasts Expressing <i>v-src</i> or <i>v-Ha-ras</i> Oncogenes.</b> Anton M. Jetten, J. Carl Barrett, and Tona M. Gilmer .....	3341-3348
<b>UV Light-Induced Cyclobutane Pyrimidine Dimers Are Mutagenic in Mammalian Cells.</b> Miroslava Protić-Sabljić, Narendra Tuteja, Peter J. Munson, Janet Hauser, Kenneth H. Kraemer, and Kathleen Dixon .....	3349-3356
<b>Identification of the Crossover Site during <i>FLP</i>-Mediated Recombination in the <i>Saccharomyces cerevisiae</i> Plasmid 2<math>\mu</math>m Circle.</b> Maureen McLeod, Susan Craft, and James R. Broach .....	3357-3367
<b>Anaerobic Treatment of Maize Roots Affects Transcription of <i>Adh1</i> and Transcript Stability.</b> Lisa J. Rowland and Judith N. Strommer .....	3368-3372
<b>Transient Inhibition of DNA Synthesis Results in Increased Dihydrofolate Reductase Synthesis and Subsequent Increased DNA Content per Cell.</b> Randal N. Johnston, John Feder, Anna B. Hill, Steven W. Sherwood, and Robert T. Schimke .....	3373-3381
<b>Malignant Transformation of Murine Fibroblasts by a Human <i>c-Ha-ras-1</i> Oncogene Does Not Require a Functional Epidermal Growth Factor Receptor.</b> Ian A. McKay, Peter Malone, Christopher J. Marshall, and Alan Hall .....	3382-3387
<b>5'-Flanking Sequence Required for Regulated Expression of a Muscle-Specific <i>Drosophila melanogaster</i> Actin Gene.</b> Pamela K. Geyer and Eric A. Fyrberg .....	3388-3396
<b>Expression of a Secreted Transplantation Antigen Gene during Murine Embryogenesis.</b> Paul Stein, Yves Barra, Gilbert Jay, and Sidney Strickland .....	3397-3400
<b>Repair of Heteroduplex Plasmid DNA after Transformation into <i>Saccharomyces cerevisiae</i>.</b> Douglas K. Bishop and Richard D. Kolodner .....	3401-3409
<b>Activated <i>v-myc</i> and <i>v-ras</i> Oncogenes Do Not Transform Normal Human Lymphocytes.</b> Mario Stevenson and David J. Volsky .....	3410-3417
<b>Formation of the Transcription Initiation Complex on Mammalian rDNA.</b> Hiroyuki Kato, Masaru Nagamine, Ryo Kominami, and Masami Muramatsu .....	3418-3427
<b>Repair-Deficient Xeroderma Pigmentosum Cells Made UV Light Resistant by Fusion with X-Ray-Inactivated Chinese Hamster Cells.</b> Deneb Karentz and James E. Cleaver .....	3428-3432

Continued on following page

<b>Isolation and Characterization of Expressible cDNA Clones Encoding the M1 and M2 Subunits of Mouse Ribonucleotide Reductase.</b> Lars Thelander and Paul Berg .....	3433–3442
<b>Pyrimidine Dimers Block Simian Virus 40 Replication Forks.</b> Cheryl A. Berger and Howard J. Edenberg .....	3443–3450
<b>Factors and Nucleotide Sequences That Direct Ribosomal DNA Transcription and Their Relationship to the Stable Transcription Complex.</b> John Tower, Valeria Cizewski Culotta, and Barbara Sollner-Webb .....	3451–3462
<b>Induction, by Thymidylate Stress, of Genetic Recombination as Evidenced by Deletion of a Transferred Genetic Marker in Mouse FM3A Cells.</b> Dai Ayusawa, Hideki Koyama, Kimiko Shimizu, Sumiko Kaneda, Keiichi Takeishi, and Takeshi Seno .....	3463–3469
<b>Identification of Separate Domains in the Adenovirus E1A Gene for Immortalization Activity and the Activation of Virus Early Genes.</b> Elizabeth Moran, Brad Zerler, T. M. Harrison, and Michael B. Mathews .....	3470–3480
<b>Novel Promoter Upstream of the Human <i>c-myc</i> Gene and Mechanism of Allelic Exclusion in a B-Cell Lymphoma.</b> David L. Bentley and Mark Groudine	3481–3489
<b><i>Saccharomyces cerevisiae</i> Nuclear Fusion Requires Prior Activation by Alpha Factor.</b> Mark David Rose, Bonnie R. Price, and Gerald R. Fink .....	3490–3497
<b>Induced Change in a Non-Mendelian Determinant by Transplantation of Macronucleoplasm in <i>Paramecium tetraurelia</i>.</b> Terue Harumoto .....	3498–3501
<b>Amino-Terminal Fragments of <math>\Delta^1</math>-Pyrroline-5-Carboxylate Dehydrogenase Direct <math>\beta</math>-Galactosidase to the Mitochondrial Matrix in <i>Saccharomyces cerevisiae</i>.</b> Marjorie C. Brandriss and Karen A. Krzywicki .....	3502–3512
<b>Bidirectional Promoter Elements of Simian Virus 40 Are Required for Efficient Replication of the Viral DNA.</b> Gerald Z. Hertz and Janet E. Mertz .....	3513–3522
<b>Site-Specific Mutagenesis of <i>cdc2</i><sup>+</sup>, a Cell Cycle Control Gene of the Fission Yeast <i>Schizosaccharomyces pombe</i>.</b> Robert Booher and David Beach .....	3523–3530
<b>Overproduction of Protein p53 Contributes to Simian Virus 40-Mediated Transformation.</b> Dan Michalovitz, Daniel Eliyahu, and Moshe Oren .....	3531–3536
<b>Expression of <i>c-sis</i> and Platelet-Derived Growth Factor in In Vitro-Transformed Glioma Cells from Rat Brain Tissue Transplacentally Treated with Ethylnitrosourea.</b> Peter F. Lens, Bep Altena, and Roel Nusse .....	3537–3540
<b>Growth Factor Requirements of Oncogene-Transformed NIH 3T3 and BALB/c 3T3 Cells Cultured in Defined Media.</b> Xi Zhan and Mitchell Goldfarb .....	3541–3544
<b>Coinfection with Viruses Carrying the <i>v-Ha-ras</i> and <i>v-myc</i> Oncogenes Leads to Growth Factor Independence by an Indirect Mechanism.</b> Marguerite Vogt, Jayne Lesley, Jakob Bogenberger, Sarah Volkman, and Martin Haas .....	3545–3549
<b>A Transcriptional Enhancer and an Interferon-Responsive Sequence in Major Histocompatibility Complex Class I Genes.</b> Jonathan Vogel, Michel Kress, George Khoury, and Gilbert Jay .....	3550–3554
<b>Excision Repair Functions in <i>Saccharomyces cerevisiae</i> Recognize and Repair Methylation of Adenine by the <i>Escherichia coli</i> <i>dam</i> Gene.</b> Merl F. Hoekstra and Robert E. Malone .....	3555–3558
<b>Expression of the <i>denV</i> Gene of Coliphage T4 in UV-Sensitive <i>rad</i> Mutants of <i>Saccharomyces cerevisiae</i>.</b> Kristoffer Valerie, Gerald Fronko, Earl E. Henderson, and Jon K. de Riel .....	3559–3562
<b>Tissue-Specific Expression of the Rat Alpha<sub>2u</sub> Globulin Gene Family.</b> Janet I. MacInnes, Eva S. Nozik, and David T. Kurtz .....	3563–3567

*ERRATUM*

**Intramolecular Recombination between Transfected Repeated Sequences in Mammalian Cells Is Nonconservative.** Sekhar Chakrabarti and Michael M. Seidman .....

3568

Date of Issue: 1 October 1986

**NOTICE**

Effective with the September 1986 issue, the page charges for *Molecular and Cellular Biology* will be raised to \$55 per page for the first seven pages of any article and \$75 per page for all pages in excess of seven. This increase is required as a small contribution to our increased costs owing to the increasingly heavy flow of submissions and the extraordinary growth this journal is experiencing, far outstripping our planned allocation of pages.

**CHANGE IN METHOD OF DELIVERY FOR SUBSCRIPTIONS  
OUTSIDE THE UNITED STATES**

For the past several years, ASM journal subscriptions have been fulfilled via air drop shipment to central distribution points, from which the issues were then mailed. Unfortunately, we can no longer afford this service. To hold down drastically rising costs, we have arranged to distribute our journals through surface drop shipment followed by mailing. Subscribers outside the United States will receive their issues two to three weeks later than heretofore, for which we are deeply regretful. There was no way that we could continue the previous service at its very expensive and continually increasing cost.

This change in mode of delivery will be effective beginning with the November issues. Subscribers within the United States and subscribers from abroad who are paying the surcharge for direct air mail shipment will be unaffected by the change.