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6031 Accelerated Publication

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6032 Stoichiometry of Catabolite Activator Protein/Adenosine Cyclic 3',5'-Monophosphate Interactions at the *lac* Promoter of *Escherichia coli*

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6037 Sequence Analysis of a Growth Hormone Releasing Factor from a Human Pancreatic Islet Tumor

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6041 Sendai Virus Membrane Fusion: Time Course and Effect of Temperature, pH, Calcium, and Receptor Concentration

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6046 Chemical Modification of Actin. Acceleration of Polymerization and Reduction of Network Formation by Reaction with *N*-Ethylmaleimide, (Iodoacetamido)tetramethylrhodamine, or 7-Chloro-4-nitro-2,1,3-benzoxadiazole

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6053 Hexa- and Pentapeptide Extension of Proalbumin: Feedback Inhibition of Albumin Synthesis by Its Propeptide in Isolated Hepatocytes and in the Cell-Free System

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6060 Tissue-Specific Binding of Total and β -Globin Genomic Deoxyribonucleic Acid to Non-Histone Chromosomal Proteins from Mouse Erythropoietic Cells

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6066 Direct Observation of Complexes Formed between recA Protein and a Fluorescent Single-Stranded Deoxyribonucleic Acid Derivative

Marc S. Silver* and Alan R. Fersht*

6073 Comparison of Ribonucleic Acid-Protein Interactions in Messenger Ribonucleoproteins, Ribosomes, MS2 Virus, and Q β Virus Examined via Phosphorus-31 Nuclear Magnetic Resonance Relaxation

Philip H. Bolton, Gary Clawson, Vladimir J. Basus, and Thomas L. James*

6081 Nuclear Overhauser Effect Study of Yeast Aspartate Transfer Ribonucleic Acid

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6088 Biosynthesis of Glycosaminoglycans by Thymic Lymphocytes. Effects of Mitogenic Activation

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6097 Transbilayer Redistribution of Phosphatidylethanolamine during Fusion of Phospholipid Vesicles. Dependence on Fusion Rate, Lipid Phase Separation, and Formation of Nonbilayer Structures

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6103 Effect of Lysine Modification on the Activity of the σ Subunit of *Escherichia coli* RNA Polymerase

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