Adenovirus DNA: The Viral Genome and Its Expression (Developments in Molecular Virology)

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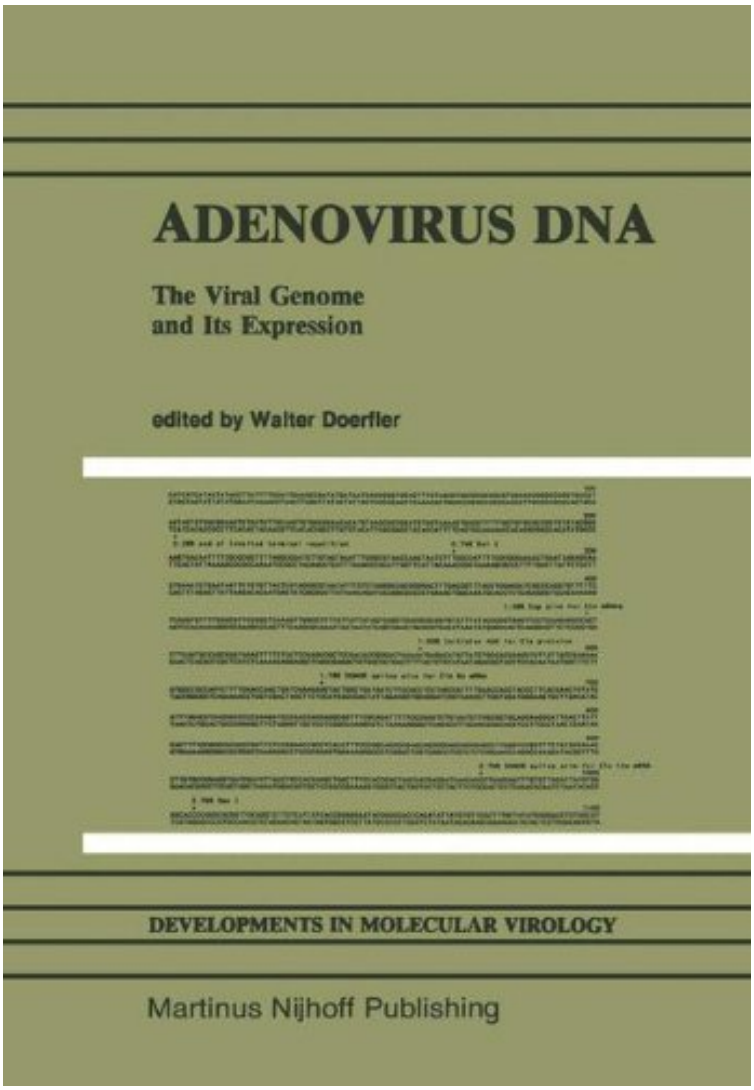

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From Springer : Adenovirus DNA: The Viral Genome and Its Expression (Developments in Molecular Virology) before purchasing it in order to gage whether or not it would be worth my time, and all praised Adenovirus DNA: The Viral Genome and Its Expression (Developments in Molecular Virology):

Although adenoviruses have been established for quite some time as one of the most pliable tools to study the molecular biology of mammalian cells, rapid progress continues to be made with this virus system. The adenoviral genome introduced into the nucleus of cells as a Trojan Horse, as it were, is now facili- tating investigators to uncover details of cellular mechanisms. In this volume twelve chapters have been collected that summarize important current research on different mechanisms in adenovirus- infected and -transformed cells. It has become increasingly apparent that some of these mechanisms do not only pertain to highly specialized strategies of the viral genome and its expres- sion or replication, but may simultaneously shed light on events indigenous to the cell. Adenovirus DNA: The Viral Genome and its Expression high- lights the first publication of the entire annotated sequence of 35. 937 nucleotide pairs of adenovirus type 2 DNA by the Cold Spring Harbor and Uppsala groups (chapter 1). Goran Akusjarvi, Ulf Pettersson (Uppsala University) and Rich Roberts (Cold Spring Harbor) present a survey on the structure and function of the adenovirus-2 genome (chapter 2).A considerable amount of in- formation has been collected on the biochemical mechanisms in- vol ved in adenov irus DNA repl ication in human cells. Al though highly specialized in the way of initiating DNA replication, adenov irus DNA repl ication represents probably one of the best studied systems in work on eukaryotic DNA replication.

`This book will clearly be of great value to those directly involved in adenovirus research and should find a wider audience because of the use of adenoviruses by molecular biologists studying the mechanisms of gene regulation. It represents good value for money not only because it is broadly based, but because of the vast numbers of references contained within it.' The Society for General Microbiology Quarterly, 13 (1986)