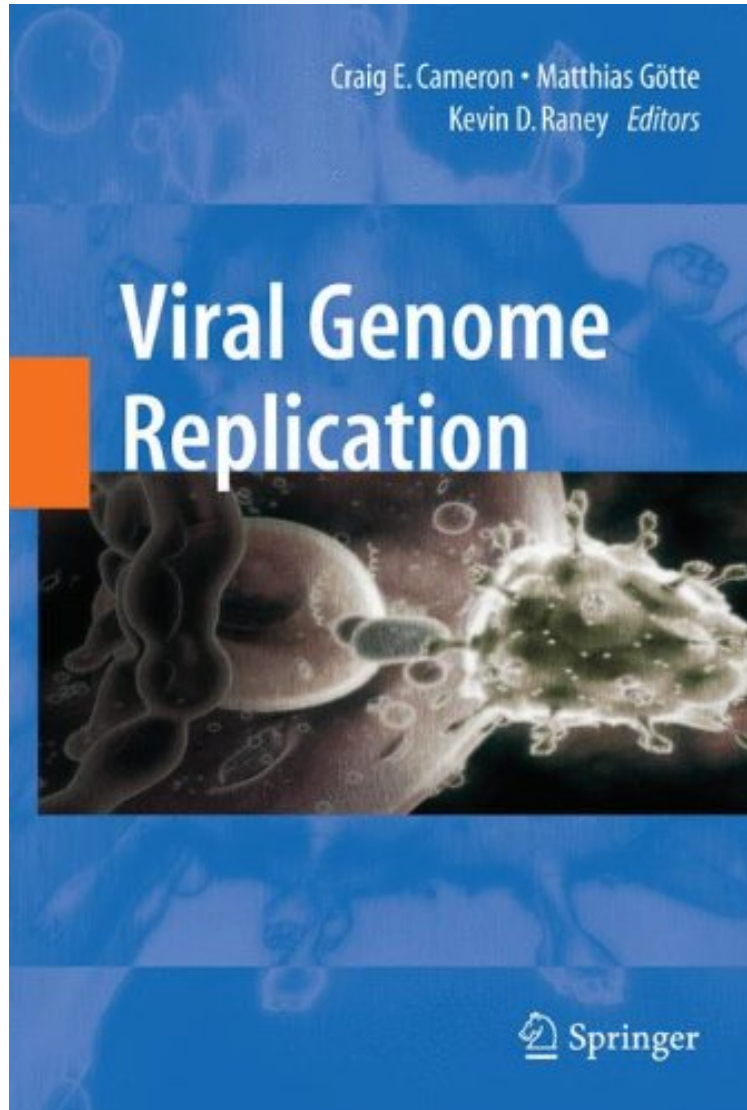


Viral Genome Replication

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#4245390 in Books Cameron, Craig E. (EDT)/ G 2009-07-21 Original language: English PDF # 1 9.21 x 1.38 x 6.14l, 2.77 #File Name: 038789425X636 pages | File size: 24.Mb

From Cameron, Craig E. (EDT)/ G : Viral Genome Replication before purchasing it in order to gage whether or not it would be worth my time, and all praised Viral Genome Replication:

This book provides the first comprehensive review of viral genome replication strategies, emphasizing not only pathways and regulation but also the structure-function, mechanism, and inhibition of proteins and enzymes required for this process.

From the reviews: "Viruses are primarily classified by the structure of their genomes. they can be split into either DNA or RNA, single- or double-stranded, there is great diversity in the means by which their genomes are replicated. the book describes the replication strategies of, with a couple of exceptions, each of the major viral groups. I recommend this title to all those interested in viral replication." (Christopher Ring, *Microbiology Today*, November, 2009)From the Back CoverCurrently, there is no single source that permits comparison of the factors, elements, enzymes and/or mechanisms employed by different classes of viruses for genome replication. As a result, we (and our students) often restrict our focus to our particular system, missing out on the opportunity to define unifying themes in viral genome replication or benefit from the advances in other systems. For example, extraordinary biological and experimental paradigms that have been established over the past five years for the DNA replication systems of bacteriophage T4 and T7 will likely be of great value to anyone interested in studying a replisome from any virus. These studies could easily go unnoticed by animal RNA and DNA virologists. It is our hope that this monograph will cross-fertilize and invigorate the field, as well as encourage students into this area of research.