RNA and DNA Editing: Methods and Protocols (Methods in Molecular Biology)

From Aphasizhev Ruslan EDT
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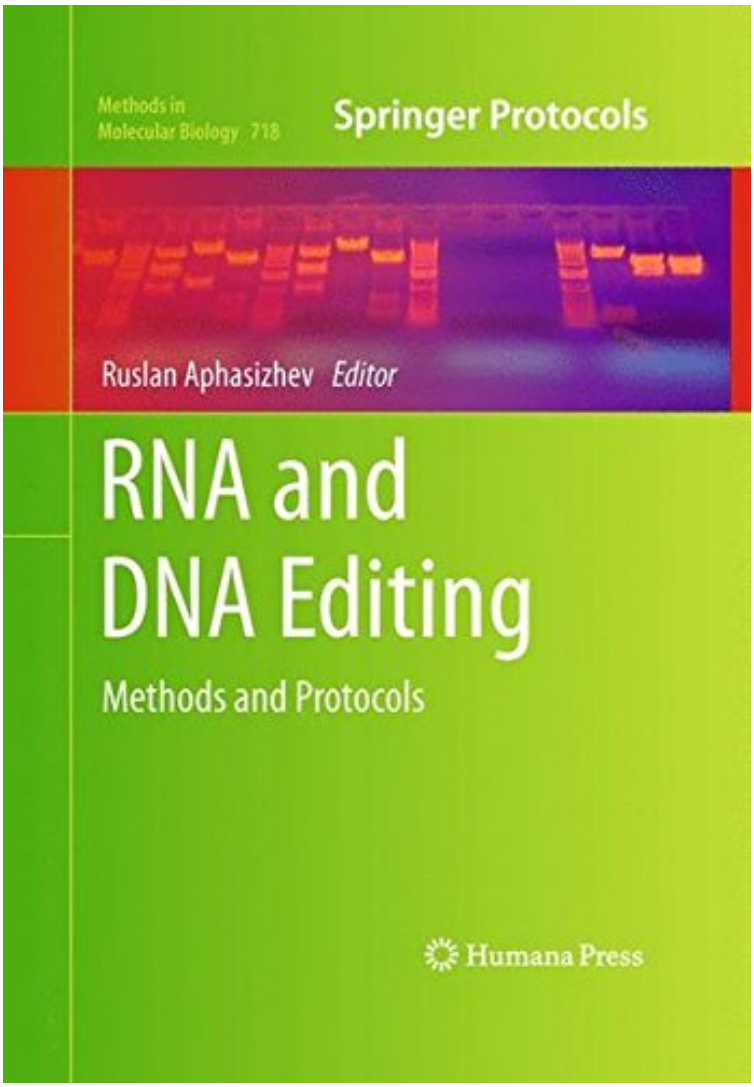

#9241227 in Books Aphasizhev Ruslan EDT 2011-02-14Original language:EnglishPDF # 1 10.10 x .90 x 7.10l, 1.50 #File Name: 1617790176275 pagesRNA and DNA Editing | File size: 32.Mb

From Aphasizhev Ruslan EDT : RNA and DNA Editing: Methods and Protocols (Methods in Molecular Biology) before purchasing it in order to gage whether or not it would be worth my time, and all praised RNA and DNA Editing: Methods and Protocols (Methods in Molecular Biology):

The recent expansion in diversity of RNA and DNA editing types has stimulated the development of many unique

genetic, molecular, biochemical, and computational approaches to biological issues. In RNA and DNA Editing: Methods and Protocols, leading experts in the field introduce methods developed over the last few years to study editing substrates, mechanisms of specificity, and functions of RNA and DNA editing enzymes and complexes. Sections of the book are dedicated to state-of-the art techniques which enable investigation of uracil insertion/deletion RNA editing in mitochondrion of Trypanosoma brucei, adenosine to inosine RNA editing, cytidine to uracil RNA and DNA editing, as well as tRNA editing and RNA modifications. Written in the highly successful Methods in Molecular Biology series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and key tips on troubleshooting and avoiding known pitfalls. Authoritative and cutting-edge, RNA and DNA Editing: Methods and Protocols seeks to inspire the further development of these vital and powerful techniques.

From the reviews:This book on RNA and DNA Editing, Methods and Protocols provides methods to study editing substrates, mechanisms of specificity and functions of RNA and DNA editing enzymes and complexes . The apparent audience is molecular biologists interested in RNA and DNA editing. (Omer Iqbal, Doodys Book s, March, 2012)It is quite timely that a Methods book dedicated at experimental approaches to investigate RNA editing mechanisms should find its rightful place in the series. To achieve this aim, the editor has successfully united many leading experts in this field to write several Chapters dedicated at explaining state-of-the-art techniques . this is an invaluable store of information that can potentially save weeks or months spent simply in learning what-to-do and what-not-to-do when setting up a particular procedure in their own lab. (Emanuele Buratti, Molecular Biotechnology, September, 2011)From the Back CoverThe recent expansion in diversity of RNA and DNA editing types has stimulated the development of many unique genetic, molecular, biochemical, and computational approaches to biological issues. In RNA and DNA Editing: Methods and Protocols, leading experts in the field introduce methods developed over the last few years to study editing substrates, mechanisms of specificity, and functions of RNA and DNA editing enzymes and complexes. Sections of the book are dedicated to state-of-the art techniques which enable investigation of uracil insertion/deletion RNA editing in mitochondrion of Trypanosoma brucei, adenosine to inosine RNA editing, cytidine to uracil RNA and DNA editing, as well as tRNA editing and RNA modifications. Written in the highly successful Methods in Molecular Biology series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and key tips on troubleshooting and avoiding known pitfalls.Authoritative and cutting-edge, RNA and DNA Editing: Methods and Protocols seeks to inspire the further development of these vital and powerful techniques.