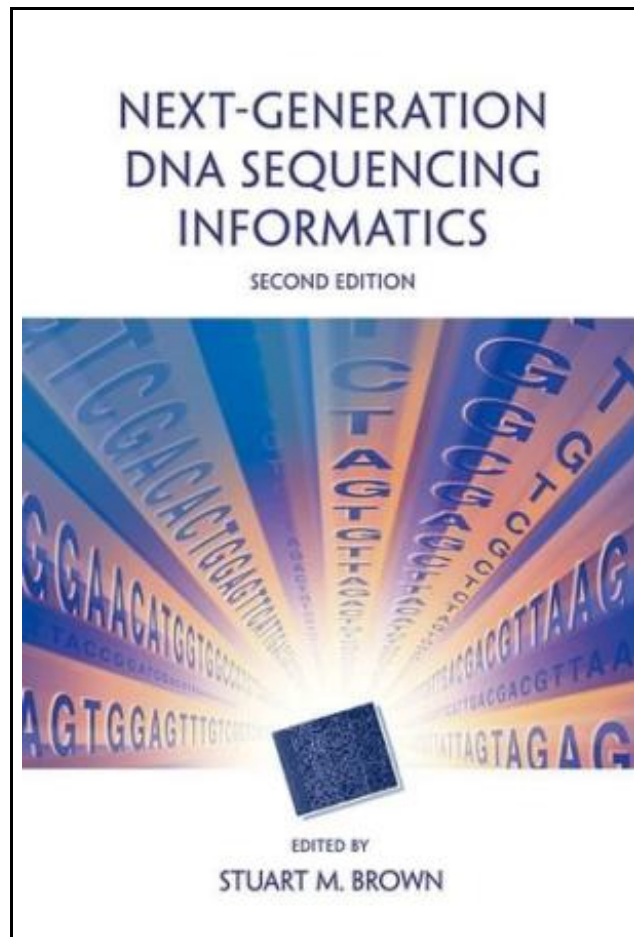


Next-Generation DNA Sequencing Informatics, Second Edition (Hardback)



Filesize: 4.09 MB

Reviews

This published publication is fantastic. it had been writtern very perfectly and useful. Once you begin to read the book, it is extremely difficult to leave it before concluding.
(Junius Herman)

NEXT-GENERATION DNA SEQUENCING INFORMATICS, SECOND EDITION (HARDBACK)



To get **Next-Generation DNA Sequencing Informatics, Second Edition (Hardback)** eBook, remember to click the link listed below and download the document or gain access to other information which might be in conjunction with NEXT-GENERATION DNA SEQUENCING INFORMATICS, SECOND EDITION (HARDBACK) ebook.

Cold Spring Harbor Laboratory Press, United States, 2015. Hardback. Book Condition: New. 2nd. 232 x 167 mm. Language: English . Brand New Book. Next-generation DNA sequencing (NGS) technology has revolutionized biomedical research, making genome and RNA sequencing an affordable and frequently used tool for a wide variety of research applications including variant (mutation) discovery, gene expression, transcription factor analysis, metagenomics, and epigenetics. Bioinformatics methods to support DNA sequencing have become and remain a critical bottleneck for many researchers and organizations wishing to make use of NGS technology. This new edition provides a thorough, plain-language introduction to the necessary informatics methods and tools for analyzing NGS data and provides detailed descriptions of algorithms, strengths and weaknesses of specific tools, pitfalls, and alternative methods. Four new chapters cover experimental design, sample preparation, and quality assessment of NGS data; public databases for DNA sequencing data; de novo transcript assembly; proteogenomics; and emerging sequencing technologies. The remaining chapters from the first edition have been updated with the latest information. This book also provides extensive reference to best-practice bioinformatics methods for NGS applications and tutorials for common workflows. This edition addresses the informatics needs of students, laboratory scientists, and computing specialists who wish to take advantage of the explosion of research opportunities offered by new DNA sequencing technologies. Authors Alexander Alekseyenko Silvia Argimon Brian D. Athey Miroslav Blumenberg Stuart M. Brown Lisa Cohen Efstratios Efstathiadis David Fenyo Jeremy Goecks Gerald A. Higgins D. Frank Hsu Kranti Konganti Konstantinos Krampis Guillermo I. Perez-Perez Kelly V. Ruggles Christina Schweikert Steven Shen Phillip Ross Smith Zuo Jian Tang Jinhua Wang.



[Read Next-Generation DNA Sequencing Informatics, Second Edition \(Hardback\) Online](#)



[Download PDF Next-Generation DNA Sequencing Informatics, Second Edition \(Hardback\)](#)

Related Kindle Books



[PDF] Homeschool Your Child for Free: More Than 1,400 Smart, Effective, and Practical Resources for Educating Your Family at Home (Paperback)

Click the web link below to read "Homeschool Your Child for Free: More Than 1,400 Smart, Effective, and Practical Resources for Educating Your Family at Home (Paperback)" PDF file.

[Download eBook »](#)



[PDF] Learn em Good: Improve Your Child s Math Skills: Simple and Effective Ways to Become Your Child s Free Tutor Without Opening a Textbook (Paperback)

Click the web link below to read "Learn em Good: Improve Your Child s Math Skills: Simple and Effective Ways to Become Your Child s Free Tutor Without Opening a Textbook (Paperback)" PDF file.

[Download eBook »](#)



[PDF] A Parent s Guide to STEM (Paperback)

Click the web link below to read "A Parent s Guide to STEM (Paperback)" PDF file.

[Download eBook »](#)



[PDF] The Preschool Inclusion Toolbox: How to Build and Lead a High-Quality Program (Paperback)

Click the web link below to read "The Preschool Inclusion Toolbox: How to Build and Lead a High-Quality Program (Paperback)" PDF file.

[Download eBook »](#)



[PDF] A Smarter Way to Learn JavaScript: The New Approach That Uses Technology to Cut Your Effort in Half (Paperback)

Click the web link below to read "A Smarter Way to Learn JavaScript: The New Approach That Uses Technology to Cut Your Effort in Half (Paperback)" PDF file.

[Download eBook »](#)



[PDF] Programming in D: Tutorial and Reference (Paperback)

Click the web link below to read "Programming in D: Tutorial and Reference (Paperback)" PDF file.

[Download eBook »](#)