

Assessment of nucleotide excision repair protein binding forces by atomic force microscopy and optical trapping



Filesize: 8.62 MB

Reviews

These types of book is the greatest ebook readily available. I was able to comprehend every little thing using this published e pdf. I realized this pdf from my dad and i encouraged this publication to discover.

(Dr. Porter Mitchell)

ASSESSMENT OF NUCLEOTIDE EXCISION REPAIR PROTEIN BINDING FORCES BY ATOMIC FORCE MICROSCOPY AND OPTICAL TRAPPING



GRIN Verlag Sep 2007, 2007. Taschenbuch. Book Condition: Neu. 210x148x1 mm. This item is printed on demand - Print on Demand Neuware - Scientific Study from the year 2007 in the subject Biology - Genetics / Gene Technology, printed single-sided, grade: A, Boston University, course: Biophysics, 31 Literaturquellen entries in the bibliography, language: English, abstract: DNA is under constant repair from the damage being done from sources such as UV radiation, mutagenic chemicals, and errors made by the cell's DNA replication mechanisms. The ability for a cell to identify and repair the damaged DNA is crucial for the cell to be able to successfully function and replicate. On a systemic scale the repair is essential for maintaining long term genomic stability. When these pathways fail the usual response is for the cell to die but in some instances the damage is done in a region that causes the cell to become carcinogenic. The DNA repair enzymes are responsible for finding and correcting these mistakes. There are many different types of damage that can be done to DNA ranging from dimerization to depurination. Each of these types of damage requires a slightly different repair mechanism. The specific type of damage that is being investigated in this proposal is pyridine dimerization which usually occurs as the result of exposure to UV radiation. The repair pathway being nucleotide excision repair which involves either the replacement or removal of a region surrounding the damaged DNA. Problems in this pathway are important in pathological conditions such as xeroderma pigmentosum which causes the skin to be over sensitive to sun exposure and a high incidence of cancer. Also genetic engineering utilizes deletion and insertion of DNA bases into various different cells. Understanding the pathways utilized to identify the structural changes that signify damage could be utilized...



[Read Assessment of nucleotide excision repair protein binding forces by atomic force microscopy and optical trapping Online](#)



[Download PDF Assessment of nucleotide excision repair protein binding forces by atomic force microscopy and optical trapping](#)

Related Books



Psychologisches Testverfahren

Reference Series Books LLC Nov 2011, 2011. Taschenbuch. Book Condition: Neu. 249x191x7 mm. This item is printed on demand - Print on Demand Neuware - Quelle: Wikipedia. Seiten: 100. Kapitel: Myers-Briggs-Typindikator, Keirsey Temperament Sorter, DISG,...

[Download eBook »](#)



Programming in D

Ali Cehreli Dez 2015, 2015. Buch. Book Condition: Neu. 264x182x53 mm. This item is printed on demand - Print on Demand Neuware - The main aim of this book is to teach D to readers...

[Download eBook »](#)



Six Steps to Inclusive Preschool Curriculum: A UDL-Based Framework for Children's School Success

Brookes Publishing Co. Paperback. Book Condition: new. BRAND NEW, Six Steps to Inclusive Preschool Curriculum: A UDL-Based Framework for Children's School Success, Eva M. Horn, Susan B. Palmer, Gretchen D. Butera, Joan A. Lieber, How...

[Download eBook »](#)



New KS2 English SAT Buster 10-Minute Tests: 2016 SATs & Beyond

Paperback. Book Condition: New. Not Signed; This is Book 2 of CGP's SAT Buster 10-Minute Tests for KS2 Grammar, Punctuation & Spelling - it's a brilliant way to introduce English SATS preparation in bite-sized chunks....

[Download eBook »](#)



Sport is Fun (Red B) NF

Pearson Education Limited. Paperback. Book Condition: new. BRAND NEW, Sport is Fun (Red B) NF, Dianne Irving, This title is part of Pearson's Bug Club - the first whole-school reading programme that joins books and...

[Download eBook »](#)