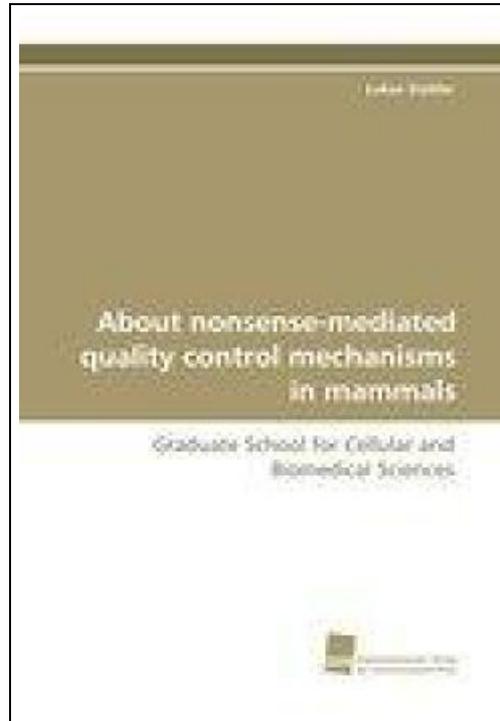


About nonsense-mediated quality control mechanisms in mammals



Filesize: 4.99 MB

Reviews

A very wonderful pdf with lucid and perfect answers. Of course, it is play, nevertheless an amazing and interesting literature. You can expect to like just how the article writer compose this book.
(Gunner Haag)

ABOUT NONSENSE-MEDIATED QUALITY CONTROL MECHANISMS IN MAMMALS

DOWNLOAD



Südwestdeutscher Verlag Für Hochschulschriften AG Co. KG Okt 2015, 2015. Taschenbuch. Book Condition: Neu. 220x150x6 mm. This item is printed on demand - Print on Demand Neuware - In order to assure the high accuracy of gene expression, eukaryotes have evolved diverse quality-control mechanisms that recognize and degrade messenger RNAs (mRNAs) that fail to encode a complete and functional protein. Nonsense-mediated mRNA decay (NMD) recognizes and degrades mRNAs that harbor a premature translation termination codon (PTC). Yet, the molecular mechanism of NMD is not solved. A central step is the distinction of a PTC from a normal translation termination codon. We found that normal mRNAs can be turned into an NMD substrate by elongating the 3 untranslated region (3 UTR) in mammalian cells. Furthermore, PTC-containing mRNAs can be stabilized by bringing the poly(A) tail in close spatial proximity of the PTC, and consistently, PTC-containing mRNAs are stabilized by tethering of poly(A)-binding protein. Together with studies performed in other eukaryotes, we propose an evolutionary conserved, unified model for PTC recognition. Most importantly, these results demonstrate that spatial rearrangements of the 3 UTR can modulate the NMD pathway and thereby provide a novel mechanism for posttranscriptional gene regulation. 104 pp. Englisch.



[Read About nonsense-mediated quality control mechanisms in mammals Online](#)



[Download PDF About nonsense-mediated quality control mechanisms in mammals](#)

See Also



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,...

[Read Document »](#)



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...

[Read Document »](#)



Adobe Indesign CS/Cs2 Breakthroughs

Peachpit Press, 2005. Softcover. Book Condition: Neu. Gebrauch - Sehr gut Unbenutzt. Schnelle Lieferung, Kartonverpackung. Abzugsfähige Rechnung. Bei Mehrfachbestellung werden die Versandkosten anteilig erstattet. - Adobe InDesign is taking the publishing world by storm and...

[Read Document »](#)



The Java Tutorial (3rd Edition)

Pearson Education, 2001. Softcover. Book Condition: Neu. Gebrauch - Sehr gut Unbenutzt. Schnelle Lieferung, Kartonverpackung. Abzugsfähige Rechnung. Bei Mehrfachbestellung werden die Versandkosten anteilig erstattet. - Praise for "The Java' Tutorial, Second Edition" includes: "This book...

[Read Document »](#)



Kingfisher Readers: What Animals Eat (Level 2: Beginning to Read Alone) (Unabridged)

Pan Macmillan. Paperback. Book Condition: new. BRAND NEW, Kingfisher Readers: What Animals Eat (Level 2: Beginning to Read Alone) (Unabridged), Brenda Stone, For the first time, Kingfisher brings its expertise in beautifully-designed, trusted non-fiction to...

[Read Document »](#)