

Plant Mitochondria: From Genome to Function



Filesize: 8 MB

Reviews

Complete guide! Its such a excellent read through. It is full of wisdom and knowledge I am very happy to inform you that here is the very best pdf i have got study inside my very own daily life and might be he very best pdf for possibly.
(Mr. Ronaldo Kulas)

PLANT MITOCHONDRIA: FROM GENOME TO FUNCTION



To download **Plant Mitochondria: From Genome to Function** eBook, please refer to the web link under and save the ebook or have accessibility to other information that are relevant to PLANT MITOCHONDRIA: FROM GENOME TO FUNCTION ebook.

Springer Netherlands. Buch. Book Condition: Neu. 254 mm. This item is printed on demand - Print on Demand Neuware - Mitochondria in plants, as in other eukaryotes, play an essential role in the cell as the major producers of ATP via oxidative phosphorylation. However, mitochondria also play crucial roles in many other aspects of plant development and performance, and possess an array of unique properties which allow them to interact with the specialized features of plant cell metabolism. The two main themes running through the book are the interconnection between gene regulation and protein function, and the integration of mitochondria with other components of plant cells. The book begins with an overview of the dynamics of mitochondrial structure, morphology and inheritance. It then discusses the biogenesis of mitochondria, the regulation of gene expression, the mitochondrial genome and its interaction with the nucleus, and the targeting of proteins to the organelle. This is followed by a discussion of the contributions that mutations, involving mitochondrial proteins, have made to our understanding of the way the organelle interacts with the rest of the plant cell, and the new field of proteomics and the discovery of new functions. Also covered are the pathways of electron transport, with special attention to the non-phosphorylating bypasses, metabolite transport, and specialized mitochondrial metabolism. In the end, the impact of oxidative stress on mitochondria and the defense mechanisms, that are employed to allow survival, are discussed. This book is for the use of advanced undergraduates, graduates, postgraduates, and beginning researchers in the areas of molecular and cellular biology, integrative biology, biochemistry, bioenergetics, proteomics and plant and agricultural sciences. 325 pp. Englisch.



[Read Plant Mitochondria: From Genome to Function Online](#)

[Download PDF Plant Mitochondria: From Genome to Function](#)

[Download ePUB Plant Mitochondria: From Genome to Function](#)

See Also

**[PDF] Programming in D**

Click the web link listed below to download and read "Programming in D" PDF file.

[Download eBook »](#)

**[PDF] Psychologisches Testverfahren**

Click the web link listed below to download and read "Psychologisches Testverfahren" PDF file.

[Download eBook »](#)

**[PDF] Readers Clubhouse Set B Time to Open**

Click the web link listed below to download and read "Readers Clubhouse Set B Time to Open" PDF file.

[Download eBook »](#)

**[PDF] Lans Plant Readers Clubhouse Level 1**

Click the web link listed below to download and read "Lans Plant Readers Clubhouse Level 1" PDF file.

[Download eBook »](#)

**[PDF] I Am Reading: Nurturing Young Children s Meaning Making and Joyful Engagement with Any Book**

Click the web link listed below to download and read "I Am Reading: Nurturing Young Children s Meaning Making and Joyful Engagement with Any Book" PDF file.

[Download eBook »](#)

**[PDF] DK Readers Animal Hospital Level 2 Beginning to Read Alone**

Click the web link listed below to download and read "DK Readers Animal Hospital Level 2 Beginning to Read Alone" PDF file.

[Download eBook »](#)

**[PDF] Adobe Indesign CS/Cs2 Breakthroughs**

Access the hyperlink beneath to get "Adobe Indesign CS/Cs2 Breakthroughs" PDF document.

[Save PDF »](#)

**[PDF] By the Fire Volume 1**

Access the hyperlink beneath to get "By the Fire Volume 1" PDF document.

[Save PDF »](#)

**[PDF] Readers Clubhouse Set a a Truck Can Help**

Access the hyperlink beneath to get "Readers Clubhouse Set a a Truck Can Help" PDF document.

[Save PDF »](#)

**[PDF] In Nature s Realm, Op.91 / B.168: Study Score**

Access the hyperlink beneath to get "In Nature s Realm, Op.91 / B.168: Study Score" PDF document.

[Save PDF »](#)

**[PDF] Readers Clubhouse Set B What Do You Say**

Access the hyperlink beneath to get "Readers Clubhouse Set B What Do You Say" PDF document.

[Save PDF »](#)

**[PDF] Genuine] kindergarten curriculum theory and practice(Chinese Edition)**

Access the hyperlink beneath to get "Genuine] kindergarten curriculum theory and practice(Chinese Edition)" PDF document.

[Save PDF »](#)