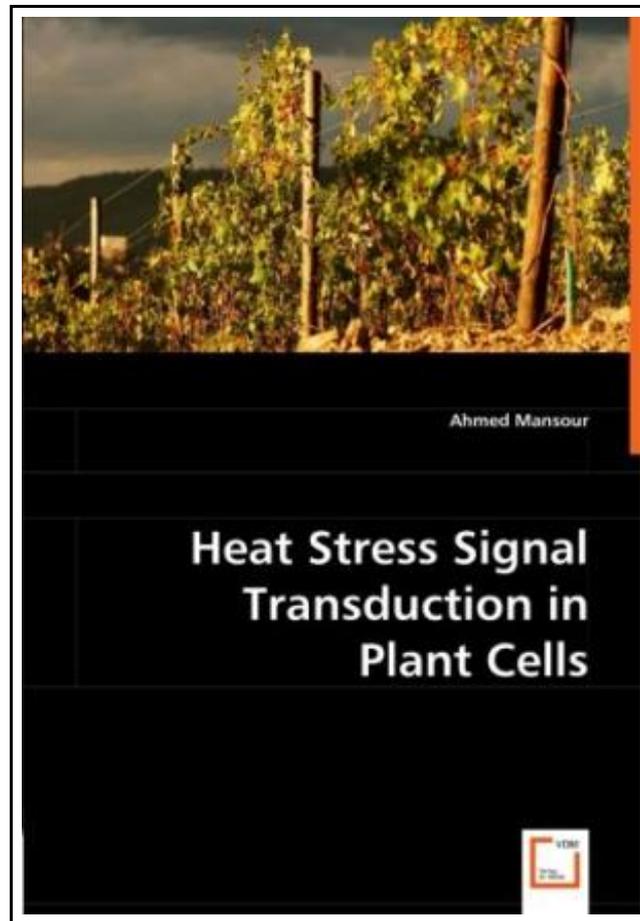


Manipulation of Genetic Information in StudyingPlant Performance



Filesize: 7.2 MB

Reviews

*These sorts of book is the greatest book offered. This can be for all those who statte that there had not been a really worth reading. I am just quickly could get a pleasure of reading a written ebook.
(Verner Goyette DDS)*

MANIPULATION OF GENETIC INFORMATION IN STUDYINGPLANT PERFORMANCE



VDM Verlag Apr 2008, 2008. Taschenbuch. Book Condition: Neu. 220x150x7 mm. Neuware - Plant tolerance to heat stress proved to be entirely dependent on the signaling flow of information by which the plant can sense the changes in its surrounding environment and signal its genes to respond by producing special proteins to protect it-self. Any changes or manipulations in this signaling flow of information will presumably lead to a modification in the genetic expression inside the plant cells, consequently, changing plant performance. Understanding these signaling events in response to heat may help us to produce heat tolerant plants capable to stand high temperature stress. In the present investigation, the results showed that a heat activated MAP kinase cascade, involving heat activated MAP kinase (HAMK), played an essential role in heat shock gene expression in tobacco BY-2 cells. In order to determine if heat activation of HAMK involved additional pathways of signaling we studied the upstream regulation of HAMK, including membrane fluidization and reorganization of cytoskeleton. The activation of HAMK and accumulation of heat responsive HSFs, HSP70 and HSP27 proteins were used as end-point markers in these experiments. It is concluded that the heat shock response, as measured by HAMK activation and heat shock proteins accumulation required PKC activation, membrane fluidization and reorganization of the cytoskeleton. A comparative bioinformatic explanation of similarities between tobacco heat shock genes and their counterparts in different organisms revealed a high degree of evolutionary conservation in the corresponding domains, indicating similar function in different species. 112 pp. Englisch.



[Read Manipulation of Genetic Information in StudyingPlant Performance Online](#)



[Download PDF Manipulation of Genetic Information in StudyingPlant Performance](#)

You May Also Like



A Dog of Flanders: Unabridged; In Easy-to-Read Type (Dover Children's Thrift Classics)

Dover Publications, 2011. Paperback. Book Condition: New. No Jacket. New paperback book copy of A Dog of Flanders by Ouida (Marie Louise de la Ramee). Unabridged in easy to read type. Dover Children's Thrift Classic....

[Download Document »](#)



Childrens Educational Book Junior Vincent van Gogh A Kids Introduction to the Artist and his Paintings. Age 7 8 9 10 year-olds SMART READS for . - Expand Inspire Young Minds Volume 1

CreateSpace Independent Publishing Platform. Paperback. Book Condition: New. This item is printed on demand. Paperback. 26 pages. Dimensions: 9.8in. x 6.7in. x 0.2in.Van Gogh for Kids 9. 754. 99-PaperbackABOUT SMART READS for Kids.

[Download Document »](#)



Because It Is Bitter, and Because It Is My Heart (Plume)

Plume. PAPERBACK. Book Condition: New. 0452265819 12+ Year Old paperback book-Never Read-may have light shelf or handling wear-has a price sticker or price written inside front or back cover-publishers mark-Good Copy- I ship FAST with...

[Download Document »](#)



Way it is

Second Story Press. Paperback. Book Condition: new. BRAND NEW, Way it is, Donald Reid, It's the 1960s - the time for equal rights, peace, and love. But for Ellen Manery, it's the time to work...

[Download Document »](#)



Trucktown: It is Hot (Pink B)

Pearson Education Limited. Paperback. Book Condition: new. BRAND NEW, Trucktown: It is Hot (Pink B), Jon Scieszka, This title is part of Bug Club, the first whole-school reading programme that joins books with an online...

[Download Document »](#)