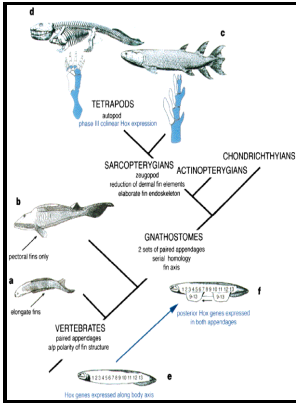


From DNA to diversity - molecular genetics and the evolution of animal design

Blackwell Pub. - From DNA to Diversity, Molecular Genetics and the Evolution of Animal Design, 2nd edition



Description: -

-

Finns -- United States -- Fiction.

Wood-decaying fungi

Engelmann spruce -- Diseases and pests -- Blue Mountains (Or. and Wash.)

Morphology (Animals)

Biodiversity

Molecular genetics

Evolutionary genetics From DNA to diversity - molecular genetics and the evolution of animal design

-From DNA to diversity - molecular genetics and the evolution of animal design

Notes: Includes bibliographical references and index

This edition was published in 2005



Filesize: 7.37 MB

Tags: #From #DNA #to #Diversity #: #Molecular #Genetics #and #the #Evolution #of #Animal #Design #by #Jennifer #K. #Grenier, #Sean #B. #Carroll #and #Scott #D. #Weatherbee #(2000, #Trade #Paperback) #for #sale #online

From DNA to Diversity: Molecular Genetics and the Evolution of Animal Design 2, Carroll, Sean B., Grenier, Jennifer K., Weatherbee, Scott D.

This is an outstanding account of the latest findings in molecular developmental biology. I will say though that I wish some of the information was broken up a little better. Morphological Variation and Species Divergence.

From DNA to Diversity: Molecular Genetics and the Evolution of Animal Design

In the latter half, the principal changes are an expansion of the chapter on the evolution of major morphological novelties and the addition of a chapter on the evolution of minor changes that distinguish different species. The story line goes through the levels of biological hierarchy all the way to the details of gene regulation and emerges with a deeper understanding of biological diversity. This new edition also includes major insights from recent genome studies, incorporates new findings from evo-devo biology research, and adds a new chapter focusing on models of variation and divergence among closely related species.

From DNA to Diversity, Molecular Genetics and the Evolution of Animal Design, 2nd edition

I didn't quite finish reading it, though; the end of the semester has come, I made an A, and as fascinating as the topic and text is, I've yet to muster up the energy and concentration necessary to complete it. I had no idea they had advanced so far so fast.

From DNA to Diversity: Molecular Genetics and the Evolution of Animal Design by Sean B. Carroll

The wealth of information presented in this book will surprise, educate, and entertain the reader - and evo-devo researchers have just scratched the surface.

[PDF] From DNA to diversity: molecular genetics and the evolution of animal design (2nd ed.)

Many figures contain gorgeous pictures of developing embryos, revealing patterns of gene expression with great import for the proper construction of animal form. It is an excellent book with more basic sciences than the book under review, emphasizing how evo-devo facilitates novelty through an enhanced Baldwin Effect.

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