

Genetic structure and local adaptation in natural insect populations - effects of ecology, life history, and behavior

Chapman & Hall - Life history, climate and biogeography interactively affect worldwide genetic diversity of plant and animal populations

Description: -

- Decembrists.

Authors, Russian -- Russia (Federation) -- Tobol'sk Region.

Russian literature -- Russia (Federation) -- Tobol'sk Region --

History and criticism.

Travel - Foreign

Travel

General

Stress (Psychology)

Stress (Physiology)

Stress management.

Cuba -- History.

Fairy tales.

Literary Criticism

Poetry

Non-Classifiable

General

Sâhir Ludhiyânî, 1921-1980 -- Criticism and interpretation.

Transportation -- History.

Transportation -- History -- Juvenile literature.

Phytophagous insects -- Adaptation.

Insect populations.

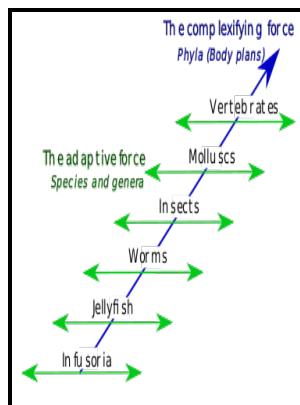
Phytophagous insects -- Genetics. Genetic structure and local adaptation in natural insect populations - effects of ecology, life history, and behavior

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Notes: Includes bibliographical references and index.

This edition was published in 1998

Tags: #Genetic #Structure #and #Local
#Adaptation #in #Natural #Insect
#Populations



Filesize: 10.84 MB

which is likely due to the 2004 generation maintaining much of the genetic character of its ancestral 1997 populations. A cylindrical container 5 cm tall and 2 cm in diameter filled with red colored water and covered by a plastic film was used as substrate for oviposition. Providing an essential foundation for evolutionary theory, this comprehensive volume examines patterns of genetic variation within natural insect populations, and explores the underlying mechanisms that lead to the genetic divergence of coexisting organisms.

Adaptive genetic structure in phytophagous insect populations

Intra-population genetic structuring We found evidence for high levels of inbreeding in our populations despite the genetic self-incompatibility of B.

Genetic specificity and potential for local adaptation between dengue viruses and mosquito vectors

Patterns of local adaptation of a protozoan parasite to its bumblebee host. F IS was significantly greater than zero for all populations and generations Table. Three competing scenarios used for inferring the population origin of the introduced location in Malaysia a and the two South Asian locations in India and Nepal b.

Genetic structure of Leptopilina boulardi populations from different climatic zones of Iran

The lowest values of fixation were found between years within the same population,

Genetic Structure and Local Adaptation in Natural Insect Populations

KK helped in improving methodology and data analysis, supervised the project and improved the manuscript.

A major locus controls local adaptation and adaptive life history variation in a perennial plant

Results We sampled 11 populations of L. Foraging workers may additionally acquire infections on flowers via horizontal transmission of C.

Dynamics of genetic variability in *Anastrepha fraterculus* (Diptera: Tephritidae) during adaptation to laboratory rearing conditions

Though these factors shape the probability that a bumblebee encounters a parasite, they only insufficiently reflect the rate of successful infections.

Susan Mopper

The laboratory measurements followed the methods described by. Loci and genes involved in putative local selection for native locations were identified. The populations in Malaysia, India and Nepal were introduced from both the Yangtze and Pearl River Systems.

Susan Mopper

Finally, PC3 illustrated a gradient of precipitation and pH in which soils with lower pH receive higher precipitation in the Iberian Peninsula. Drivers of genetic differentiation We applied nested maximum-likelihood population effect models NMLPE to evaluate simultaneously the effects of the geographic IBD , environmental IBE and resistance IBR variation on the genetic differentiation among Iberian A.

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