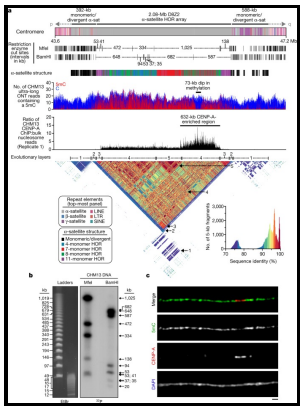
Molecular evolution and organization of the chromosome

Elsevier - Molecular organization of chromosomes



Description: -
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Netherlands -- History -- Wars of Independence, 1556-1648.
William -- I, -- Prince of Orange, -- 1533-1584.
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Chemical evolution.
Chromosomes.Molecular evolution and organization of the chromosome
-Molecular evolution and organization of the chromosome
Notes: Includes index.
This edition was published in 1983

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Tags: #Molecular #Evolution #and #Organization #of #Ribosomal #DNA #in #the #Hawkweed #Tribe #Hieraciinae #(Cichorieae, #Asteraceae)

Journal of Molecular Evolution

Targeted insertion of transposable elements into high copy small RNA genes have been observed previously, and, implicated as a potential tool for gene delivery. Secondly, the number of genes is not necessarily indicative of the number of developmental stages or tissue types in an organism. Transposable element content and copy number of the wheat chromosome 3B sequence.

Organization and evolution of transposable elements along the bread wheat chromosome 3B

Contrasting evolutionary trajectories of multiple retrotransposons following independent allopolyploidy in wild wheats.

The molecular evolution and structural organization of self

Thus, biparametric analysis of GAA microsatellite content and DAPI fluorescence intensity was employed.

The molecular evolution and structural organization of self

The subtribe consists of genera Hieracium, Pilosella, Andryala, and Hispidella and has a complex evolutionary history characterized by ancient intergeneric hybridization, allele sharing among species, and incomplete lineage sorting. It should be noted that, however, some of these SNPs may arise from highly similar homoeologous Tdic5A sequences or, to a lesser extent, highly similar paralogous loci elsewhere in the genome, which could not be differentiated from 5B-related transcripts computationally, despite the highly stringent filtering criteria.

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The introduction of the neutral theory by , quickly followed by and ' own findings, led to a fierce debate about the relevance of at the molecular level. Diploidization and genome size change in allopolyploids is associated with differential dynamics of low- and high-copy sequences. This indicates that the organization of rDNA loci is more dynamic than the evolution of sequences contained in them and that locus number is therefore largely unsuitable to inform about species relationships in Hieracium.

Organization and evolution of transposable elements along the bread wheat chromosome 3B

The remaining sequence reads were assembled using gsAssembler tool of Newbler 2.

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If well homogenized, sequences are suitable for phylogeny reconstruction; if not, sequence polymorphism has to be handled appropriately. This work was supported by Sabanci University, by the Czech Science Foundation award no.

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