Physical mapping of 45S and 5S rDNA repetitive sequences to mitotic chromosomes of Brassica species by fluorescence in situ hybridisation

University of Birmingham - The chromosomal distribution of repetitive DNA sequences in Chrysanthemum boreale revealed a characterization in its genome


Isolation, molecular characterisation and chromosomal location of repetitive DNA sequences in *Brassica*

Dissertation
zur Erlangung des Doktorgrades
der Fakultät für Agrarwissenschaften
der Georg-August-Universität Göttingen

vorgelegt von
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Description: -
-Physical mapping of 45S and 5S rDNA repetitive sequences to mitotic chromosomes of Brassica species by fluorescence in situ hybridisation
-Physical mapping of 45S and 5S rDNA repetitive sequences to mitotic chromosomes of Brassica species by fluorescence in situ hybridisation
Notes: Thesis (M.Phil) - University of Birmingham, School of Biosciences.
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Tags: #Molecular #cytogenetic #analysis #of #the #crucian #carp, #Carassius #carassius #(Linnaeus, #1758) #(Teleostei, #Cyprinidae), #using #chromosome #staining #and #fluorescence #in #situ #hybridisation #with #rDNA #probes

Physical mapping of DNA repetitive sequences to mitotic and meiotic chromosomes of Brassica oleracea var. alboglabra by fluorescence in situ hybridization

High similarities were observed in RT sequences in the members of same family, while low homology was detected in members across the families.

Molecular cytogenetic analysis of Brassica rapa

Sepsi, Higgins, Heslop-Harrison and Schwarzacher.

Comparative Analysis of rDNA Distribution in Chromosomes of Various Species of Brassicaceae

B Double FISH with BAC clone 46C2 in red and 45s ribosomal DNA in green. Between the two Taraxacum plastomes types, we identified 28 SNPs.

Identification of 5S and 45S rDNA sites in Chrysanthemum species by using oligonucleotide fluorescence in situ hybridization (Oligo

The slide was placed on a hot block at 75°C for 4 min, which denatured the target DNA and probe simultaneously, and hybridized overnight at 37°C in a damp chamber. On the other hand, the probe for a pericentromeric heterochromatin-associated repeat derived from B. In addition, there were extra CMA 3-positive sites located at the short arms of six to ten sm and sta chromosomes.

Molecular cytogenetic analysis of Brassica rapa

Precise in-situ localisation of NCAM ET51 and D11529 on human meiotic chromosomes. Possibly interrelated base and variant chromosome types, occasionally indistinguishable types and loss of rDNA from certain types are indicated by arrows in.

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