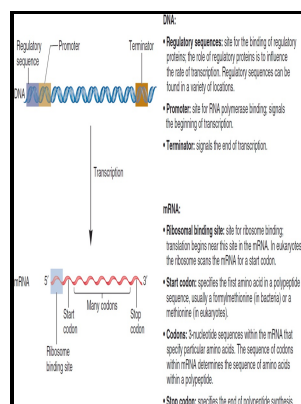


Repeated sequences in the pea genome.

University of East Anglia - Pea Genome project



Description: -

-Repeated sequences in the pea genome.

-Repeated sequences in the pea genome.

Notes: Thesis (Ph.D), University of East Anglia, School of Biological Sciences, 1990.

This edition was published in 1990



Filesize: 40.49 MB

Tags: #A #reference #genome #for #pea #provides #insight #into #legume #genome #evolution

Kinetic Determination of the Genome Size of the Pea on JSTOR

Reassociation of eukaryotic DNA fragments containing interspersed repeats. Identified DNA transposons did not exceed 0.

The gene distribution in the genomes of pea, tomato and date palm

Theoretically, they should contain fragments of a given repeat randomly sampled from its individual copies, and the frequency of these fragments in the sequence reads should be proportional to the genomic abundance of the repeat. Morgante M, De Paoli E, Radovic S: Transposable elements and the plant pan-genomes.

Genomic region associated with pod color variation in pea (*Pisum sativum*)

Repetitive sequences were identified in 2825 Mb 85. The procedure consisted of two steps: i clustering the reads based on their mutual similarities into groups of overlapping sequences, and ii assembling the reads within the clusters to get longer fragments contigs representing consensus sequences. Fluorescence in situ hybridization FISH Hybridization probes for potential satellite repeats were prepared by PCR amplification from pea genomic DNA using primer pairs designed according to the contig sequences including tandem subrepeats Table and Additional file.

Repeated sequence (DNA)

Other microsatellite motifs were less abundant and there were differences over two orders of magnitude in the frequency of various microsatellites within the reads data not shown. These metrics are regularly updated to reflect usage leading up to the last few days. It confirmed the expected high proportion of repeats in the pea genome and revealed that it is mostly attributed to various families of mobile elements.

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