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Autore	Bernardi Giorgio
Titolo	Structural and evolutionary genomics [[electronic resource]] : natural selection in genome evolution / / Giorgio Bernardi
Pubbl/distr/stampa	Amsterdam, : Elsevier, 2005
ISBN	1-281-22736-6 9786611227364 0-08-046187-5
Descrizione fisica	1 online resource (459 p.)
Collana	New comprehensive biochemistry ; ; v. 37
Disciplina	572.8/633
Soggetti	Evolutionary genetics Genomics Gene mapping Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Cover; PREFACE; Contents; INTRODUCTION; The genome: a short history of different views; Population genetics and molecular evolution; Three remarks on terminology; A brief chronology of our investigations; Molecular approaches to the study of the genome; LESSONS FROM A SMALL DISPENSABLE GENOME, THE MITOCHONDRIAL GENOME OF YEAST; The mitochondrial genome of yeast and the petite mutation; The ""petite colonie"" mutation; The petite mutation is accompanied by gross alterations of mitochondrial DNA; The AT spacers and the deletion hypothesis; The petite mutation is due to large deletions The GC clustersThe excision sites; Genomes without genes; The origins of replication; Excision and recombination; The canonical and the surrogate origins of replication of petite genomes; The replication of petite genomes and the phenomenon of suppressivity; The ori sequences as transcription initiation sites; The effect of flanking sequences on the efficiency of replication of petite genomes; The on petites 14 and 26; Temperature and the replicative ability of ori petites 14 and 26; The organization and evolution of the mitochondrial

genome of yeast

The organization of the mitochondrial genome of yeast
The evolutionary origin of ori sequences; The evolutionary origin of the GC clusters; The evolutionary origin of the AT spacers and the var 1 gene; The non-coding sequences: evolutionary origin and biological role; THE ORGANIZATION OF THE VERTEBRATE GENOME; Isochores and isochore families; The fractionation of the bovine genome; The fractionation of eukaryotic main-band DNAs; Isochores and isochore families; Isochores and the draft human genome sequence; Other misunderstandings about isochores; Compositional patterns of coding sequences
Compositional correlations between coding and non-coding sequences
THE COMPOSITIONAL PATTERNS OF VERTEBRATE GENOMES; The fish genomes; Compositional properties: a CsCl analysis; Compositional properties: a Cs₂SO₄/BAMD analysis; Compositional properties: an analysis of long sequences; Compositional properties of coding sequences and introns; Compositional correlations; Amphibian genomes; Reptilian genomes; Avian genomes; Mammalian genomes; SEQUENCE DISTRIBUTION IN THE VERTEBRATE GENOMES; Gene distribution in the vertebrate genome
The distribution of genes in the human genome: the two gene spaces
Properties of the two gene spaces; The distribution of genes in the vertebrate genomes; The distribution of CpG islands in the vertebrate genome; The distribution of CpG doublets and methylation in the vertebrate genome; CpG doublets; Two different CpG levels in vertebrate genomes; Two different methylation levels in vertebrate genomes; THE DISTRIBUTION OF INTEGRATED VIRAL SEQUENCES, TRANSPOSONS AND DUPLICATED GENES IN THE MAMMALIAN GENOME; The distribution of proviruses in the mammalian genome
The integration of retro viral sequences into the mammalian genome

Sommario/riassunto

Structural genomics is the study of the DNA of living organisms. Evolutionary genomics is the study of the history of the genome. These subjects are closely interlinked. They are approached in this book using as a guideline the investigations carried out in the author's laboratory, relevant literature is critically reviewed and some general conclusions are presented. The author and his collaborators have studied a vast number of genomes, ranging from prokaryotes to human, using different approaches, including physical chemistry of DNA, viral integration and molecular cytogenetics. As the subti

2. Record Nr.	UNINA9910154793003321
Autore	Quinlan Julia J.
Titolo	Que son los invertebrados marinos? // Julia J. Quinlan
Pubbl/distr/stampa	New York : , : Britannica Educational Publishing in association with Rosen Educational Services, , 2017
ISBN	1-5081-0509-X
Edizione	[First edition.]
Descrizione fisica	1 online resource (32 pages) : color illustrations
Collana	Conozcamos las especies marinas
Disciplina	592.177
Soggetti	Marine invertebrates
Lingua di pubblicazione	Spagnolo
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Que es un invertebrado marino? -- Pulpos -- Medusas -- Corales -- Anemonas de mar -- Estrellas de mar -- Erizos de mar -- Esponjas -- Cangrejos -- Importancia de los invertebrados.
Sommario/riassunto	Esta obra introduce al lector a los invertebrados marinos mas comunes tales como los crustaceos, los moluscos y las medusas. Estos animales forman parte integral de los ecosistemas marinos y son de gran beneficio a los humanos.