1. Record Nr. UNINA9910461912503321

Autore	Allendorf Fred W
Titolo	Conservation and the Genetics of Populations [[electronic resource]]
Pubbl/distr/stampa	Hoboken, : Wiley, 2012
ISBN	1-118-40857-8 1-283-64455-X 1-118-40856-X
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (630 p.)
Altri autori (Persone)	LuikartGordon H AitkenSally N
Disciplina	333.95/16 333.9516 577.88
Soggetti	Biodiversity conservation Evolutionary genetics Population genetics Earth & Environmental Sciences Ecology Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Title page; Copyright page; Contents; Guest Box authors; Preface; Preface to the first edition; List of symbols; PART I: Introduction; CHAPTER 1: Introduction; 1.1 Genetics and Civilization; 1.2 What Should We Conserve?; 1.2.1 Phylogenetic diversity; 1.2.2 Populations, species, or ecosystems?; 1.3 How Should We Conserve Biodiversity?; 1.4 Applications of Genetics to Conservation; 1.5 The Future; Guest Box 1: L. Scott Mills and Michael E. Soule, The role of genetics in conservation; CHAPTER 2: Phenotypic variation in natural populations; 2.1 Color Pattern; 2.2 Morphology; 2.3 Behavior 2.4 Phenology2.5 Differences Among Populations; 2.5.1 Countergradient variation; 2.6 Nongenetic Inheritance; Guest Box 2: Chris J. Foote, Looks can be deceiving: countergradient variation in secondary sexual color in sympatric morphs of sockeye salmon;

CHAPTER 3: Genetic variation in natural populations: chromosomes and proteins; 3.1 Chromosomes; 3.1.1 Karyotypes; 3.1.2 Sex chromosomes; 3.1.3 Polyploidy; 3.1.4 Numbers of chromosomes; 3.1.5 Supernumerary chromosomes; 3.1.6 Chromosomal size; 3.1.7 Inversions; 3.1.8 Translocations; 3.1.9 Chromosomal variation and conservation
3.2 Protein Electrophoresis3.2.1 Strengths and limitations of protein electrophoresis; 3.3 Genetic Variation within Natural Populations; 3.3.1 Data from natural populations; 3.4 Genetic Divergence Among Populations; Guest Box 3: E. M. Tuttle, Chromosomal polymorphism in the white-throated sparrow; CHAPTER 4: Genetic variation in natural populations: DNA; 4.1 Mitochondrial and Chloroplast Organelle DNA; 4.1.1 Restriction endonucleases and RFLPs; 4.1.2 Polymerase chain reaction; 4.2 Single-Copy Nuclear Loci; 4.2.1 Microsatellites; 4.2.2 PCR of protein-coding loci
4.2.3 Single nucleotide polymorphisms4.2.4 Sex-linked markers; 4.3 Multiple Locus Techniques; 4.3.1 Minisatellites; 4.3.2 AFLPs and ISSRs; 4.4 Genomic Tools and Markers; 4.4.1 High-throughput sequencing; 4.4.2 Inferences from sequence data; 4.4.3 EST sequencing applications; 4.4.4 SNP discovery and genotyping by sequencing; 4.5 Transcriptomics; 4.6 Other 'Omics' and The Future; 4.6.1 Metagenomics; Guest Box 4: Louis Bernatchez Rapid evolutionary changes of gene expression in domesticated Atlantic salmon and its consequences for the conservation of wild populations
PART II: Mechanisms of Evolutionary ChangeCHAPTER 5: Random mating populations: Hardy-Weinberg principle; 5.1 Hardy-Weinberg Principle; 5.2 Hardy-Weinberg Proportions; 5.3 Testing for Hardy-Weinberg Proportions; 5.3.1 Small sample sizes or many alleles; 5.3.2 Multiple simultaneous tests; 5.4 Estimation of Allele Frequencies; 5.4.1 Recessive alleles; 5.4.2 Null alleles; 5.5 Sex-Linked Loci; 5.5.1 Pseudoautosomal inheritance; 5.6 Estimation of Genetic Variation; 5.6.1 Heterozygosity; 5.6.2 Allelic richness; 5.6.3 Proportion of polymorphic loci
Guest Box 5: Paul Sunnucks and Birgita D. Hansen, Null alleles and Bonferroni 'abuse': treasure your exceptions (and so get it right for Leadbeater's possum)

Sommario/riassunto

Loss of biodiversity is among the greatest problems facing the world today. Conservation and the Genetics of Populations gives a comprehensive overview of the essential background, concepts, and tools needed to understand how genetic information can be used to conserve species threatened with extinction, and to manage species of ecological or commercial importance. New molecular techniques, statistical methods, and computer programs, genetic principles, and methods are becoming increasingly useful in the conservation of biological diversity. Using a balance of data and theory, coupled w

2. Record Nr. UNISALENTO991003715329707536

Autore	D'Andria, Francesco
Titolo	Excavations at Otranto
Pubbl/distr/stampa	Lecce : Dipartimento Scienze dell'Antichità. Università degli Studi Lecce, 1992
ISBN	8877865342
Descrizione fisica	2 v. (192, 369 p.)
Altri autori (Persone)	Wilkinson, David Michaelides, Demetrios Whitehouse, David
Soggetti	Otranto - Scavi
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia