1. Record Nr.	UNINA9910783107603321
Autore	Dunham Rex A.
Titolo	Aquaculture and fisheries biotechnology : genetic approaches / / Rex A. Dunham [[electronic resource]]
Pubbl/distr/stampa	Wallingford, Oxon, United Kingdom, : CABI Pub., 2004
ISBN	9780851999531 (electronic book) 9786610829828 0-85199-953-0
Descrizione fisica	1 online resource : illustrations
Soggetti	Fishes - Breeding Shellfish - Breeding Fishes - Molecular genetics Shellfish - Molecular genetics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Preface; Acknowledgements; 1 History of Genetic Biotechnology in Aquaculture and Fisheries; 2 Phenotypic Variation and Environmental Effects; 3 Polyploidy; 4 Gynogenesis, Androgenesis, Cloned Populations and Nuclear Transplantation; 5 Sex Reversal and Breeding; 6 Biochemical and Molecular Markers; 7 Population Genetics and Interactions of Hatchery and Wild Fish; 8 Gene Mapping, Quantitative Trait Locus Mapping and Marker-assisted Selection; 9 Gene Expression, Isolation and Cloning; 10 Gene-transfer Technology; 11 Combining Genetic Enhancement Programmes; 12 Genotype-Environment Interactions 13 Environmental Risk of Aquatic Organisms from Genetic Biotechnology14 Food Safety of Transgenic Aquatic Organisms; 15 A Case Example: Safety of Consumption of Transgenic Salmon Potentially Containing Elevated Levels of Growth Hormone and Insulin-like Growth Factor; 16 Government Regulation of Transgenic Fish; 17 Commercial Application of Fish Biotechnology; 18 Strategies for Genetic Conservation, Gene Banking and Maintaining Genetic Quality; 19 Constraints and Limitations of Genetic Biotechnology; Glossary;

References and Further Reading; Index

Sommario/riassunto   The genetic improvement of fish for aquaculture and related fisheries is a field of research that has seen considerable advance. This book examines the area and should be of interest to advanced students and researchers in animal genetics, fish biology and aquaculture.--