

1.	Record Nr.	UNIBAS000004893
	Titolo	Atlante della muratura / Walter Belz ... [et al.] (3)
	Pubbl/distr/stampa	Torino : UTET, c2001
	ISBN	88-02-05366-9
	Descrizione fisica	331 p. : ill. ; 30 cm.
	Altri autori (Persone)	Belz, Walter
	Disciplina	693.1
	Soggetti	Murature
	Lingua di pubblicazione	Italiano
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Tit. orig.: Mauerwerk Atlas Traduzione di Orsetta Barbero Lenti
2.	Record Nr.	UNINA9910298420103321
	Autore	Wong Dominic W. S
	Titolo	The ABCs of Gene Cloning / / by Dominic W. S. Wong
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
	ISBN	3-319-77982-6
	Edizione	[3rd ed. 2018.]
	Descrizione fisica	1 online resource (XIX, 257 p. 172 illus., 1 illus. in color.)
	Disciplina	611.01816 599.935
	Soggetti	Human genetics Food—Biotechnology Plant physiology Zoology Human Genetics Food Science Plant Physiology
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa

Nota di contenuto

Fundamentals of Genetic Processes -- Introductory Concepts -- Structures of Nucleic Acids -- Structures of Proteins -- The Genetic Process -- Organization of Genes -- Reading The Nucleotide Sequence of a Gene -- Techniques and Strategies of Gene Cloning -- Enzymes Used in Cloning -- Techniques Used in Cloning -- Cloning Vectors for Introducing Genes into Host Cells -- Transformation -- Isolating Genes for Cloning -- Impact of Gene Cloning -- Improving Tomato Quality by Antisense Rna -- Transgenic Crops Engineered with Insecticidal Activity -- Transgenic Crops Conferred with Herbicide Resistance -- Growth Enhancement in Transgenic Fish -- Impact of Gene Cloning -- Microbial Production of Recombinant Human Insulin -- Finding Disease-Causing Genes -- Human Gene Therapy -- Gene Targeting -- DNA Typing -- Transpharmers - Bioreactors for Pharmaceutical Products -- Animal Cloning -- Human Genome Sequencing -- Manipulating Gene Vector Constructs.

Sommaro/riassunto

Clear and concise, this easy-to-use book offers an introductory course on the language of gene cloning, covering microbial, plant, and mammalian systems. It presents the nuts and bolts of gene cloning in a well-organized and accessible manner. Part I of this book outlines the essentials of biology and genetics relevant to the concept of gene cloning. Part II describes common techniques and approaches of gene cloning, ranging from the basic mechanics of DNA manipulation, vector systems, process transformation, to gene analysis. Part III & IV present application technologies of major impact in agriculture, biomedicine, and related areas. The ABCs of Gene Cloning, Third Edition contains updates including a tutorial chapter on gene-vector construction, methodologies on exome sequencing in finding disease genes, revised topics on gene therapy and whole genome sequencing, new developments for gene targeting and genome editing, as well as the current state of next generation sequencing. With more than 140 illustrations, this new edition provides an invaluable text for students and anyone who have interest in gaining proficiency in reading and speaking the language of gene cloning.