

1. Record Nr.	UNINA9910437615903321
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Titolo	Next generation sequencing and sequence assembly : methodologies and algorithms / / Ali Masoudi-Nejad, Zahra Narimani, Nazanin Hosseinkhan
Pubbl/distr/stampa	New York, : Springer, 2013
ISBN	1-4614-7726-3
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (92 p.)
Collana	SpringerBriefs in systems biology
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Disciplina	572.863
Soggetti	Nucleotide sequence Human gene mapping
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 and index.
Nota di contenuto	Preface -- Next generation sequencing methodologies -- Emergence of next generation sequencing -- Assembly of sequencing data -- De novo assembly algorithms -- Index.
Sommario/riassunto	The goal of this book is to introduce the biological and technical aspects of next generation sequencing methods, as well as algorithms to assemble these sequences into whole genomes. The book is organized into two parts; part 1 introduces NGS methods and part 2 reviews assembly algorithms and gives a good insight to these methods for readers new to the field. Gathering information, about sequencing and assembly methods together, helps both biologists and computer scientists to get a clear idea about the field. Chapters will include information about new sequencing technologies such as Chlp-seq, Chlp-chip, and De Novo sequence assembly.