1.	Record Nr.	UNINA9910141464803321
	Titolo	Statistical diagnostics for cancer [[electronic resource]] : analyzing high-dimensional data / / edited by Frank Emmert-Streib and Matthias Dehmer
	Pubbl/distr/stampa	Weinheim, : Wiley-Blackwell, 2013
	ISBN	3-527-66547-1 1-299-15851-X 3-527-66544-7 3-527-66545-5
	Descrizione fisica	1 online resource (314 p.)
	Collana	Quantitative and Network Biology (VCH) Quantitative and network biology ; ; v. 3
	Altri autori (Persone)	Emmert-StreibFrank DehmerMatthias <1968->
	Disciplina	616.994075
	Soggetti	Cancer - Diagnosis 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 and index.
	Nota di contenuto	pt. 1. General overview -- pt. 2. Bayesian methods -- pt. 3. Network-based approaches -- pt. 4. Phenotype influence of DNA copy number aberrations.
	Sommario/riassunto	This ready reference discusses different methods for statistically analyzing and validating data created with high-throughput methods. As opposed to other titles, this book focusses on systems approaches, meaning that no single gene or protein forms the basis of the analysis but rather a more or less complex biological network. From a methodological point of view, the well balanced contributions describe a variety of modern supervised and unsupervised statistical methods applied to various large-scale datasets from genomics and genetics experiments. Furthermore, since the availability of suffi