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   Titolo   Statistical diagnostics for cancer : analyzing high-dimensional data / /
                        edited by Frank Emmert-Streib and Matthias Dehmer

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   Descrizione fisica   1 online resource (xx, 292 pages) : illustrations (some color)

   Collana   Quantitative and Network Biology   (VCH)
                        Quantitative and network biology ; ; v. 3

   Disciplina   616.994075

   Soggetti   Cancer - Diagnosis - Statistical methods
                        Cancer - Genetic aspects - Statistical methods

   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