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| 1. Record Nr.           | UNINA9911019085303321                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Autore                  | Zhang Wei <1963 October 9->                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Titolo                  | Microarray quality control / / Wei Zhang, Ilya Shmulevich, Jaakko Astola                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Pubbl/distr/stampa      | Hoboken, N.J., : Wiley-Liss, c2004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| Descrizione fisica      | 1 online resource (158 p.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Altri autori (Persone)  | ShmulevichIlya <1969-><br>AstolaJaakko                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Disciplina              | 572.8/636                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Soggetti                | DNA microarrays                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 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 (p. 126-131) and index.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Nota di contenuto       | Quality of biological samples -- Microarray production: quality of DNA and printing -- Quality of microarray hybridization -- Scanners and data acquisition -- Image analysis -- Quality control in data analysis.                                                                                                                                                                                                                                                                                                                                                                                                    |
| Sommario/riassunto      | Microarray technology provides researchers in the life sciences with a revolutionary tool for measuring gene expression. However, this highly developed process involves multiple steps, from sample selection to data analysis, each susceptible to potentially costly errors. Without sound quality control, experimental microarrays may produce useless or, even worse, misleading results. Microarray Quality Control provides a comprehensive resource for ensuring quality control in every step of this complex process. From experimental design to data processing, analysis, and interpretation, the empha |