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| Collana                 | Series in systems biology<br>Systems biology ; ; 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Altri autori (Persone)  | RigoutsosIsidore<br>StephanopoulosG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| Nota di contenuto       | Contents; Contributors; Systems Biology: A Perspective; 1 Prebiotic Chemistry on the Primitive Earth; 2 Prebiotic Evolution and the Origin of Life: Is a System-Level Understanding Feasible?; 3 Shotgun Fragment Assembly; 4 Gene Finding; 5 Local Sequence Similarities; 6 Complete Prokaryotic Genomes: Reading and Comprehension; 7 Protein Structure Prediction; 8 DNA-Protein Interactions; 9 Some Computational Problems Associated with Horizontal Gene Transfer; 10 Noncoding RNA and RNA Regulatory Networks in the Systems Biology of Animals; Index |
| Sommario/riassunto      | 1. Prebiotic Chemistry on the Primitive Earth 3, Stanley L. Miller & H. James Cleaves. 2. Prebiotic Evolution and the Origin of Life: Is a System-Level Understanding Feasible? 57, Antonio Lazcano. 3. Shotgun Fragment Assembly 79, Granger Sutton & Ian Dew. 4. Gene Finding 118, John Besemer & Mark Borodovsky. 5. Local Sequence Similarities 154, Temple F. Smith. 6. Complete Prokaryotic Genomes: Reading and Comprehension 166, Michael Y. Galperin & Eugene V. Koonin. 7. Protein Structure Prediction 187, Jeffrey Skolnick & Yang Zhang. 8.        |

