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Titolo	Genome-wide prediction and analysis of protein-protein functional linkages in bacteria // Vijaykumar Yogesh Muley, Vishal Acharya
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Altri autori (Persone)	AcharyaVishal
Disciplina	572.86
Soggetti	Functional genomics Protein-protein interactions
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction -- From genomes to protein functions -- Co-evolutionary signals within genome sequences reflect functional dependence of proteins -- Chromosomal proximity of genes as an indicator of functional linkage -- Analyses of complex genome-scale biological networks -- Applications of protein interaction networks.
Sommario/riassunto	Using genome sequencing, one can predict possible interactions among proteins. There are very few titles that focus on protein-protein interaction predictions in bacteria. The authors will describe these methods and further highlight its use to predict various biological pathways and complexity of the cellular response to various environmental conditions. Topics include analysis of complex genome-scale protein-protein interaction networks, effects of reference genome selection on prediction accuracy, and genome sequence templates to predict protein function.