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Titolo	Applied Genomics of Foodborne Pathogens // edited by Xiangyu Deng, Henk C. den Bakker, Rene S. Hendriksen
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-43751-8
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XI, 205 p. 28 illus., 19 illus. in color.)
Collana	Research and Development, , 2626-6652
Disciplina	664.001579
Soggetti	Microbiology Food—Biotechnology Bioinformatics Microbial genetics Microbial genomics Food Microbiology Food Science Microbial Genetics and Genomics Applied Microbiology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Preface -- 1. Role of Whole Genome Sequencing in the Public Health Surveillance of Foodborne Pathogens -- 2. Global Microbial Identifier -- 3. The Use of Whole Genome Sequencing for Surveillance of Enteric Organisms by United States Public Health Laboratories -- 4. Bioinformatics Aspects of Foodborne Pathogen Research -- 5. The CGE Tool Box -- 6. Genomic Diversity in Salmonella enterica -- 7. Verocytotoxin-producing Escherichia coli in the Genomic Era: From Virulotyping to Pathogenomics -- 8. Campylobacter -- 9. Genomics and Foodborne Viral Infections -- 10. Transcriptomics and Proteomics of Foodborne Bacterial Pathogens -- Index.
Sommario/riassunto	This book provides a timely and thorough snapshot into the emerging and fast evolving area of applied genomics of foodborne pathogens. Driven by the drastic advance of whole genome shot gun sequencing (WGS) technologies, genomics applications are becoming increasingly

valuable and even essential in studying, surveying and controlling foodborne microbial pathogens. The vast opportunities brought by this trend are often at odds with the lack of bioinformatics know-how among food safety and public health professionals, since such expertise is not part of a typical food microbiology curriculum and skill set. Further complicating the challenge is the large and ever evolving body of bioinformatics tools that can obfuscate newcomers to this area. Although reviews, tutorials and books are not in short supply in the fields of bioinformatics and genomics, until now there has not been a comprehensive and customized source of information designed for and accessible to microbiologists interested in applying cutting-edge genomics in food safety and public health research. This book fills this void with a well-selected collection of topics, case studies, and bioinformatics tools contributed by experts at the forefront of foodborne pathogen genomics research.

2. Record Nr.	UNINA9910893848703321
Titolo	Namibia demographic and health survey / Republic of Namibia, Ministry of Health and Social Services, Windhoek, Namibia; Namibia Statistics Agency, Windhoek, Namibia
Pubbl/distr/stampa	Calverton, Maryland, : ICF International, May 1993-
Descrizione fisica	Online-Ressource
Disciplina	310 610
Soggetti	Zeitschrift
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
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