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Titolo	Lactic Acid Bacteria : Omics and Functional Evaluation // edited by Wei Chen
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2019
ISBN	981-13-7832-0
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (408 pages)
Disciplina	579.35
Soggetti	Microbiology Food—Biotechnology Nutrition Food Microbiology Food Science Nutrition
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction -- Genetic operation system of lactic acid bacteria and its applications -- Comparative Genomic Analyses of Lactic Acid Bacteria -- Transcriptomics of lactic acid bacteria -- Proteomics of lactic acid bacteria -- Metabolomics of lactic acid bacteria -- Functional evaluation model for Lactic acid bacteria -- Lactic acid bacteria and intestinal health -- Lactic acid bacteria and host immunity -- Widely used lactic acid bacteria strains with excellent physiological functions -- Safety Evaluation of Lactic Acid Bacteria.
Sommario/riassunto	This book discusses the latest research and new techniques in the field of lactic acid bacteria, including comparative genomics, transcriptomics, proteomics and metabolomics. It also introduces the omics and functional evaluation in detail and shows the links between lactic acid bacteria and gut health and host immunity. Summarizing the biotechnological advances in lactic acid bacteria for food and health, it is a valuable resource for researchers and graduate students in the fields of food microbiology, bioengineering, food science, nutrition and health.

