

1. Record Nr.	UNINA9910830852103321
Titolo	Reproductive genomics in domestic animals [[electronic resource] /] / edited by Zhihua Jiang, Troy L. Ott
Pubbl/distr/stampa	Ames, IA, : Wiley-Blackwell, 2010
ISBN	0-470-96182-1 1-282-49193-8 9786612491931 0-8138-1089-2 0-8138-1107-4
Edizione	[1st ed.]
Descrizione fisica	1 online resource (478 p.)
Altri autori (Persone)	JiangZhihua <1959-> OttTroy L
Disciplina	636.08/21 636.0821
Soggetti	Domestic animals - Genetics Domestic animals - Reproduction Livestock - Genetics Livestock - Reproduction Genomics - Research
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 and index.
Nota di contenuto	Reproductive Genomics in Domestic Animals; Contents; Contributors; Preface; Part I: Quantitative Genomics of Reproduction; 1: Reproductive Genomics: Genome, Transcriptome, and Proteome Resources; 2: Quantitative Genomics of Female Reproduction; 3: Quantitative Genomics of Male Reproduction; 4: Genetics and Genomics of Reproductive Disorders; 5: Genomics of Reproductive Diseases in Cattle and Swine; 6: Comparative Genomics of the Y Chromosome and Male Fertility; 7: Mitochondriomics of Reproduction and Fertility; Part II: Physiological Genomics of Reproduction 8: Functional Genomics Studies of Ovarian Function in Livestock: Physiological Insight Gained and Perspective for the Future9: Physiological Genomics of Preimplantation Embryo Development in

Production Animals; 10: Physiological Genomics of Conceptus-Endometrial Interactions Mediating Corpus Luteum Rescue; 11: Physiological Genomics of Placental Growth and Development; 12: Cellular, Molecular, and Genomic Mechanisms Regulating Testis Function in Livestock; Part III: Genomics and Reproductive Biotechnology

13: The Epigenome and Its Relevance to Somatic Cell Nuclear Transfer and Nuclear Reprogramming; 14: Biotechnology and Fertility Regulation; 15: Proteomics of Male Seminal Plasma; 16: Evolutionary Genomics of Sex Determination in Domestic Animals; 17: Toxicogenomics of Reproductive Endocrine Disruption; 18: Nutrigenomics for Improved Reproduction; Index

---

## Sommario/riassunto

Reproductive Genomics in Domestic Animals is a thorough examination of genomics in the livestock industry, encompassing genome sciences, genome biotechnology, and reproduction. Recent developments in molecular genetics and genomics have enabled scientists to identify and characterize genes contributing to the complexity of reproduction in domestic animals, allowing scientists to improve reproductive traits. Providing the livestock industry with essential tools for enhancing reproductive efficiency, Reproductive Genomics in Domestic Animals surveys the current status of reproducti

---