

1. Record Nr.	UNINA9910141329603321
Titolo	Bovine genomics // edited by James Womack
Pubbl/distr/stampa	Ames, Iowa, : Wiley-Blackwell, 2012
ISBN	9786613654144 9781280677212 128067721X 9781118301708 1118301706 9781118301739 1118301730 9781118301715 1118301714
Edizione	[1st ed.]
Descrizione fisica	1 online resource (285 p.)
Altri autori (Persone)	WomackJames E
Disciplina	636.2/0821
Soggetti	Cattle - Genome mapping Cattle - Genetics Veterinary genetics
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	The origins of cattle / Matthew Teasdale and Daniel G. Bradley -- Mendelian inheritance in cattle / Frank Nicholas -- Genetics of coat color in cattle / Sheila M. Schmutz -- From quantitative genetics to quantitative genomics: a personal odyssey / Morris Soller -- Cartography of the bovine genome / James E. Womack -- Linkage mapping / Stephanie McKay and Robert Schnabel -- The bovine X and Y chromosomes / Abel Ponce DeLeon and Wansheng Liu -- Comparative genomics and evolution / Denis Larkin -- Sequencing the bovine genome / Kim Worley, Richard Gibbs -- Bovine genome architecture / Dave Adelson -- Bovine epigenetics and epigenomics / Xiuchun Tian -- Mapping quantitative trait loci / Joel Weller -- Genome wide association studies and linkage disequilibrium in cattle / M.E. Goddard and B.J. Hayes -- Genomic selection in beef cattle / Jerry

Taylor ... et al. -- Impact of high-throughput genotyping and sequencing on the identification of genes and variants underlying phenotypic variation in domestic cattle / Michel Georges.

Sommario/riassunto

The genetic information being unlocked by advances in genomic and high throughput technologies is rapidly revolutionizing our understanding of developmental processes in bovine species. This information is allowing researchers unprecedented insight into the genetic basis of key traits. Bovine Genomics is the first book to bring together and synthesize the information learned through the bovine genome sequencing project and look at its practical application to cattle and dairy production. Bovine Genomics opens with foundational chapters on the domestication of cattle and traditi
