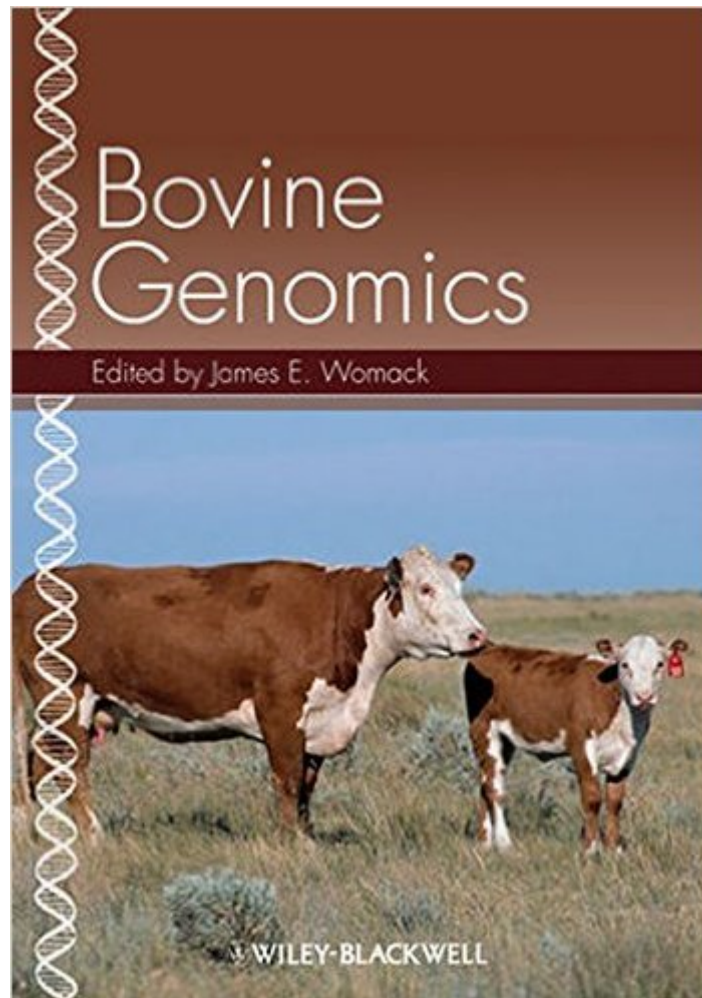


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Synopsis

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 traditional Mendelian genetics. Building on these chapters, coverage rapidly moves to quantitative genetics and the advances of whole genome technologies. Significant coverage is given to such topics as epigenetics, mapping quantitative trait loci, genome-wide association studies and genomic selection in cattle breeding. The book is a valuable synthesis of the field written by a global team of leading researchers. Providing wide-ranging coverage of the topic, Bovine Genomics, is an essential guide to the field. The basic and applied science will be of use to researchers, breeders, and advanced students.

Book Information

Hardcover: 284 pages

Publisher: Wiley-Blackwell; 1 edition (June 26, 2012)

Language: English

ISBN-10: 0813821223

ISBN-13: 978-0813821221

Product Dimensions: 7 x 0.7 x 10 inches

Shipping Weight: 1.5 pounds (View shipping rates and policies)

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