

1. Record Nr.	UNINA9910458393203321
Autore	Weller Joel Ira
Titolo	Quantitative trait loci analysis in animals [[electronic resource] /] / Joel Ira Weller
Pubbl/distr/stampa	Wallingford, OX, UK ; ; New York, NY, USA, : CABI Pub., c2001
ISBN	1-281-90500-3 9786611905002 0-85199-963-8
Descrizione fisica	1 online resource (299 p.)
Disciplina	636.08/21
Soggetti	Livestock - Breeding Livestock - Genetics Quantitative genetics Electronic books.
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 (p. 261-273).
Nota di contenuto	Preface, theory vs. results; Chapter one: Historical Overview; Chapter two : Principles of Parameter Estimation; Chapter three: Random and Fixed Effects, the Mixed Model; Chapter four: Experimental Designs to Detect QTL; Generation of Linkage Disequilibrium; Chapter five: QTL Parameter Estimation for Crosses between Inbred Lines; Chapter six: Advanced Statistical Methods for QTL Detection and Parameter Estimation; Chapter seven: Analysis of QTL as Random Effects; Chapter eight: Statistical Power to Detect QTL, and Parameter CIs; Chapter nine: Optimization of Experimental Designs Chapter ten: Fine Mapping of QTL Chapter eleven: Complete Genome QTL Scans - the Problem of Multiple Comparisons; Chapter twelve: Multiple Trait QTL Analysis; Chapter thirteen: Principles of Selection Index and Traditional Breeding Programmes; Chapter fourteen: Marker-Assisted Selection = Theory; Chapter fifteen: Marker-Assisted Selection = Results of Simulation Studies; Chapter sixteen: Marker-Assisted Introgression; Glossary of Symbols; References; Author Index; Subject Index
Sommario/riassunto	Quantitative Trait Loci (QTL) is a topic of major agricultural significance

for efficient livestock production. This book covers various statistical methods that have been used or proposed for detection and analysis of QTL and marker-and gene-assisted selection in animal genetics and breeding.

---