

1. Record Nr.	UNINA9910137547603321
Autore	Weller Joel Ira
Titolo	Genomic selection in animals / / Joel Ira Weller
Pubbl/distr/stampa	Hoboken, New Jersey : , : Wiley-Blackwell, , 2016 ©2016
ISBN	1-119-21363-0 1-119-21361-4
Descrizione fisica	1 online resource (192 p.)
Disciplina	636.0821
Soggetti	Domestic animals - Genetics Breeding
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	Historical overview -- Types of current genetic markers and genotyping methodologies -- Advanced animal breeding programs prior to genomic selection -- Economic evaluation of genetic breeding programs -- Least squares, maximum likelihood and Bayesian parameter estimation -- Trait-based genetic evaluation, the mixed model -- Maximum likelihood and Bayesian estimation of QTL parameters with random effects included in the model -- Maximum likelihood, restricted maximum likelihood and Bayesian estimation for mixed models -- Distribution of genetic effects, theory and results -- The multiple comparison problem -- Linkage mapping of QTL -- Linkage disequilibrium mapping of QTL -- Marker assisted selection, basic strategies -- Genetic evaluation based on dense marker maps, basic strategies -- Genetic evaluation based on analysis of genetic evaluations or daughter-yield evaluations -- Genomic evaluation based on analysis of production records -- Validation of methods for genomic estimated breeding values -- Byproducts of Genomic evaluation analysis: pedigree validation and determination -- Imputation of missing genotypes : methodologies, accuracies, and effects on genomic evaluations -- Detection and validation of quantitative trait nucleotides (QTN) -- Future directions and conclusions.

