

MOLECULAR AND QUANTITATIVE ANIMAL GENETICS



Animal genetics is a foundational discipline in the fields of animal science, animal breeding, and veterinary sciences. While genetics underpins the healthy development and breeding of all living organisms, this is especially true in domestic animals, specifically with respect to breeding for key traits.

Molecular and Quantitative Animal Genetics is a new textbook that takes an innovative approach, looking at both quantitative and molecular breeding approaches. The book provides a comprehensive introduction to genetic principles and their applications in animal breeding. This text provides a useful overview for those new to the

field of animal genetics and breeding, covering a diverse array of topics ranging from population and quantitative genetics to epigenetics and biotechnology. *Molecular and Quantitative Animal Genetics* will be an important and invaluable educational resource for undergraduate and graduate students and animal agriculture professionals.

Divided into six sections pairing fundamental principles with useful applications, the book's comprehensive coverage will make it an ideal fit for students studying animal breeding and genetics at any level.

- Provides wide-ranging introduction to animal genetics and genomics.
- Examines issues particularly relevant to animal science and breeding.
- Authored by leading international scientists and instructors in the field.
- Student-friendly coverage of the topic supported by full color figures.
- Covers both molecular and quantitative aspects of animal genetics.

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