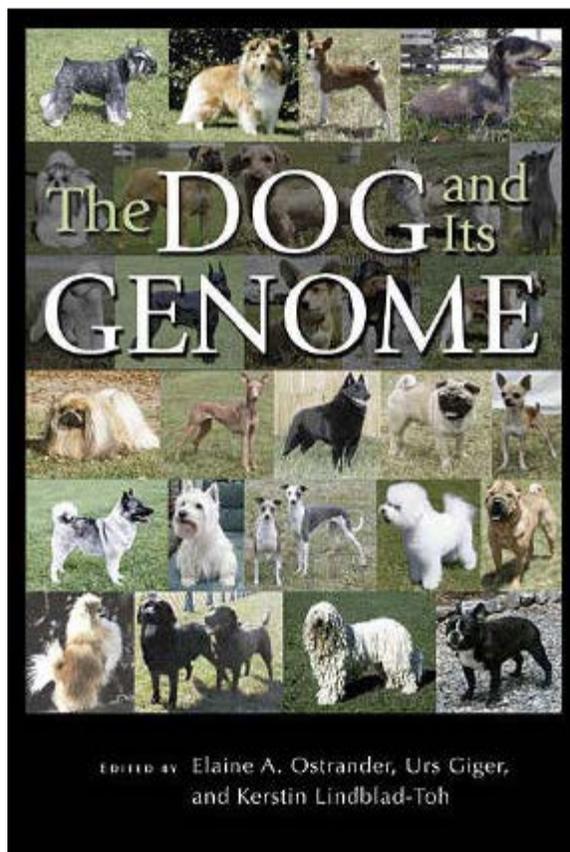


## The Dog and Its Genome

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### The Dog and Its Genome

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Dogs of different breeds can range remarkably in size, shape, and behavior, and yet they all carry essentially the same genome, making them a particularly fascinating model for genome plasticity. The recent release of the complete sequence of the dog genome provides an exciting new context in which to consider such variation. Twenty-five chapters written by experts in the field include various aspects of morphological and behavioral variation in dogs, their origins and domestication, and their unique value as a model system for many common but complex human diseases such as diabetes and cancer.

#### Reviews

*"The Dog and Its Genome...celebrates the completion of the dog sequence with 26 chapters on the genomic biology of man's best friend.*

The book should appeal to dog fanciers, to genome biologists who wonder about the sequence's applications, and to students of comparative genomics....

Researchers already have 'bibles' that define gene-based phenotypes suitable for interrogation by mouse, rat, fruitfly and human genetics. *The Dog and Its Genome* does the same for the canine genomics community."

–Nature

"Overall, the book will be of value to veterinary pathologists and other veterinarians interested in canine genetics, and it is nearly a must-have for researchers engaged in any form of canine genetics and genomics."

–Veterinary Pathology

*"The Dog and Its Genome* is a collection of reviews that focus on canine genetics. The editors have assembled an excellent set

of genetic investigations that demonstrate how one of our favorite companion animals can explain both the basic and complex aspects of genetics and genomics...The book has an appropriate balance of work by young investigators, established researchers, veterinarians, and dog enthusiasts...

*The Dog and Its Genome* will be an excellent reference for veterinarians and researchers, as well as a thorough textbook to teach all concepts of genetics at the graduate level. This work demonstrates the power of companion animal genetics and it should prove the test of time as a valuable volume in a geneticist's library."

–*The Quarterly Review of Biology*

"Overall, the book will be of most use to the veterinary researchers in canine disease where genetic origins or associations are suspected, and to those likewise in human genetics who are considering a dog model."

–*Genetical Research*