Breeding and Functional Genomics in Animals

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Animal breeding is entering the big data era. With the rapid development of high-throughput sequencing technology, the generation of multi-omics data in livestock has been accelerated, leading to the arrival of a new era of "animal breeding big data". This not only provides new opportunities and challenges for animal breeding, but also provides new possibilities for the genetic analysis of economically important traits in animals. Understanding the economically important traits of animals can be used for management interventions in breeding programs and agricultural innovations.

This Special issue, "Breeding and Functional Genomics in Animals", will cover a range of research topics and review articles on the latest developments in genomics, transcriptomics, population genetics, and other multi-omics that can strengthen breeding strategies and advance the breeding process of livestock species.

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Special Issue

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Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised.

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