

Special Issue

Functional Genomics and Breeding in Animals

Message from the Guest Editors

Domestic animals are an economically important part of agriculture and provide an essential source of meat, wool, milk, fur, etc., for humans. To date, numerous genes and genetic variations associated with economic traits have been identified based on the strategies of candidate gene analysis and high-throughput sequencing technologies, but few major genes and causative mutations associated with complex traits have been discovered. Research on the functional genomics of animals offers opportunities to understand the genetic mechanisms that underpin complex traits of economic importance, and the identification of functional candidate genes and causative mutations are active research areas. This Special Issue aims to present the new advances and insights on functional genomics and breeding in animals. We welcome original research articles and reviews addressing functional candidate genes or causative mutations associated with complex traits in animals. Contributions by experts in the field in the form of research papers and critical reviews are invited.

Guest Editors

Prof. Dr. Weimin Wang
Prof. Dr. Xiang Zhou
Dr. Weiwei Wu

Deadline for manuscript submissions

closed (15 April 2024)

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Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving 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. Why not consider *Genes* for your next genetics paper?

Editor-in-Chief

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