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Functional Genomics and Breeding in Animals

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Message from the Guest Editors

Dear Colleagues,

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.

Dr. Weimin Wang

Dr. Xiang Zhou

Dr. Weiwei Wu

Guest Editors



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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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