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Functional Genomics and Breeding in Animals

Guest Editors:

Dr. Weimin Wang

College of Pastoral Agriculture
Science and Technology,
Lanzhou University, Lanzhou
730000, China

Dr. Xiang Zhou

Key Laboratory of Swine Genetics
and Breeding of Ministry of
Agriculture, Huazhong
Agricultural University, Wuhan
430070, China

Dr. Weiwei Wu

Institute of Animal Science,
Xinjiang Academy of Animal
Sciences, Urumqi 830000, China

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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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Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan

Department of Pathology, The
University of Alabama at
Birmingham, 1825 University
Blvd, SHEL 814, Birmingham, AL
35294-2182, USA

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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Genes Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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