

Special Issue

Study on Genetic Factors Controlling Complex Traits in Crops

Message from the Guest Editors

Most important agronomic traits, such as yield, quality, plant architecture, and stress tolerance, are complex traits. With the development of high-throughput sequencing technology, omics studies, such as genome, variome, epigenome, transcriptome, proteome, metabolome, and microbiome, have been developed rapidly. By integrating multiple omics of data, we can comprehensively and systematically understand the composition of complex agronomic traits, improve the efficiency of identifying the genetic factors regulating complex agronomic traits, and promote the process of molecular breeding. This research theme encourages the submission of recent research on the analysis of complex agronomic traits and the use of multiple omics of data to better understand the genetic basis of crop-complex traits. The results of this topic can be used to accelerate genetic improvements in crops. We welcome submissions in the following directions, including but not limited to: New study of genetic basis for crop-complex traits
New methods or tools for integrating omics data
New genetic selection strategies by using multi omics data

Guest Editors

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