

Comments and Suggestions for Authors

The paper “Genomic insights into CKX genes: key players in cotton fiber development and abiotic stress responses” is a good research work that focuses on the explains the involvement of *GhCKXs* in both fibre development and response to abiotic stress.

The manuscript is well-written, and the introduction is also written with enough background information. The references (older and current) are adequate for the paper. The different sections are well organized, and the concepts are explained with good figures (**figure quality is not good**) and tables. The overall quality is good and worth reading by the plant science community, especially researchers working with the model plant. However, some major questions answered would further improve the manuscript.

1. How do CKX genes regulate cotton fiber development at the genomic level?
2. What genomic techniques have been employed to study CKX genes in cotton?
3. What are the specific roles of CKX genes in different stages of cotton fiber development?
4. How do CKX genes influence abiotic stress responses in cotton, and what genomic evidence supports this?
5. Can you explain the regulatory mechanisms controlling CKX gene expression in response to abiotic stressors?
6. Are there any genetic variants or polymorphisms in CKX genes associated with enhanced fiber quality or stress tolerance in cotton?
7. What are the potential applications of genomic insights into CKX genes for cotton breeding programs?
8. How do CKX genes interact with other genes or signaling pathways involved in cotton fiber development and stress responses?
9. Are there any epigenetic modifications or regulatory elements associated with CKX gene expression in cotton?
10. What challenges remain in understanding the full genomic landscape of CKX genes in cotton and their implications for fiber development and stress resilience?