

Description of Additional Supplementary Files

Supplementary Data 1. Overview of TPM of all genes in twelve tissues.

Supplementary Data 2. Summary of the homoeologous genes with biased expression in twelve tissues.

Supplementary Data 3. Summary of identified TPGs in *Gossypium hirsutum*.

Supplementary Data 4. The blacklist regions of *Gossypium hirsutum* identified by GreenScreen.

Supplementary Data 5. Summary of all tissue-enriched binding motifs of transcription factors.

Supplementary Data 6. Summary of motifs of TFs located in promoter regions of TPGs.

Supplementary Data 7. Summary of the identified candidate functional elements.

Supplementary Data 8. Summary of Hi-C data in this study.

Supplementary Data 9. Summary of the identified A/B compartment in twelve tissues.

Supplementary Data 10. Summary of the identified sub-compartments in twelve tissues.

Supplementary Data 11. Summary of the identified TAD-like domains.

Supplementary Data 12. Summary of the identified isolated genes.

Supplementary Data 13. Summary of the identified homoeologous CREs.

Supplementary Data 14. Fiber-related CREs.