Supplementary information

New insights into the proteins interacting with the promoters of silkworm fibroin genes

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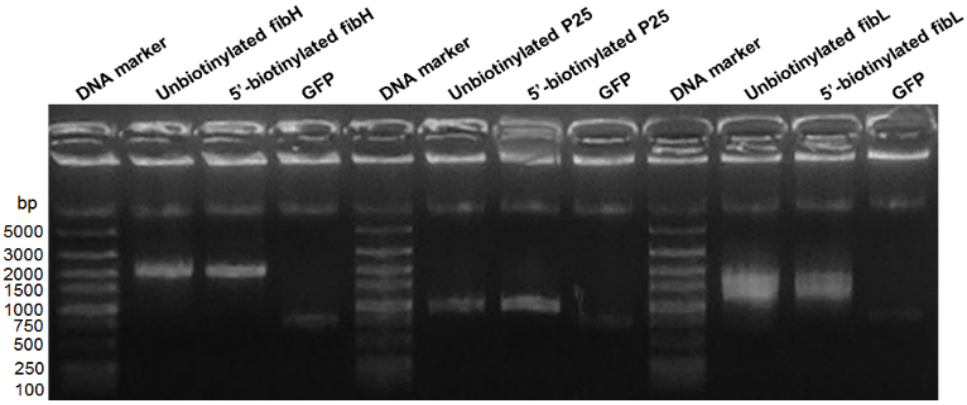
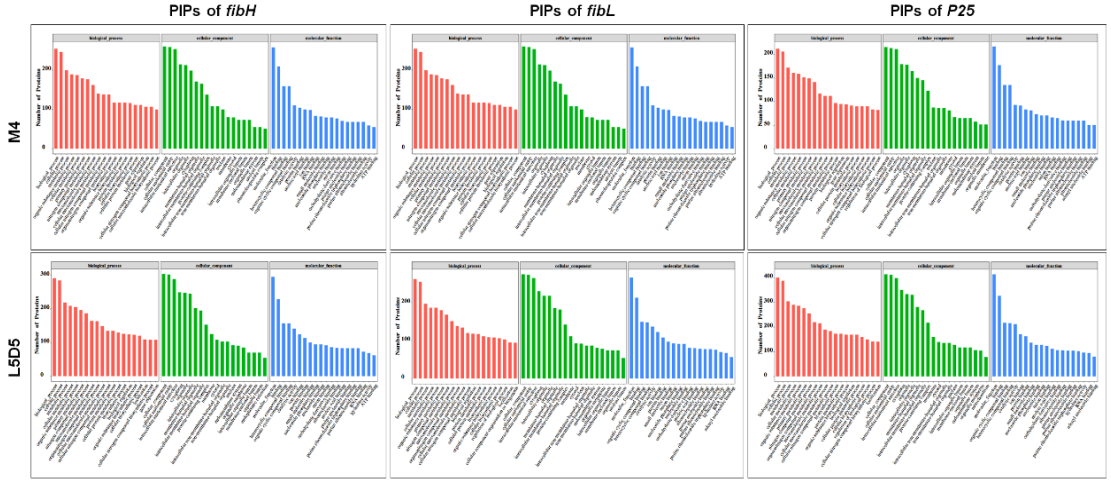
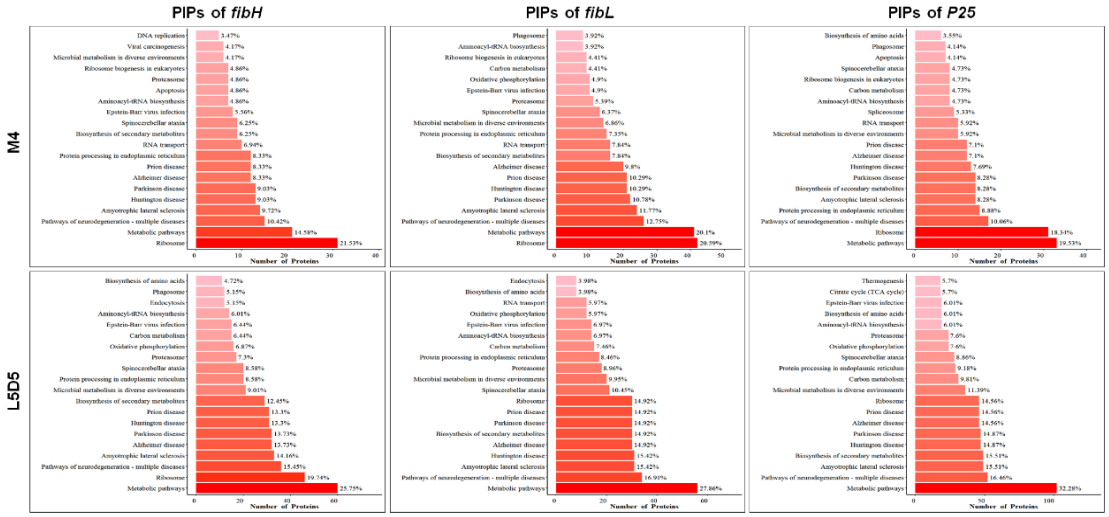


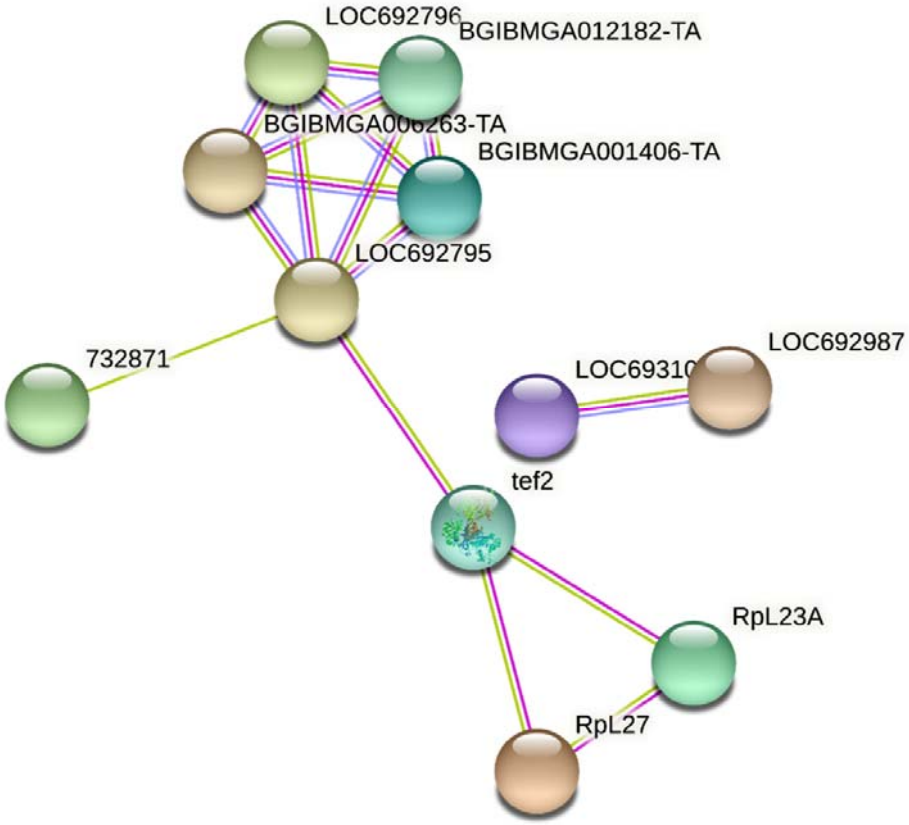
Supplementary Figure S1. Agarose gel electrophoresis of 5'-biotinylated and unbiotinylated DNA probes.



Supplementary Figure S2. GO annotation of candidate PIPs identified by HPLC-MS.



Supplementary Figure S3. KEGG pathway annotation of candidate PIPs identified by HPLC-MS.



Supplementary Figure S4. Protein-protein interaction networks among the TFs interacting with fibroin gene promoters. Colored lines represent interaction relationships between the nodes generated based on the available evidence in the STRING database. Minimum required interaction score: high confidence (0.700); PPI enrichment *p*-value: 1.71e-08.

Supplementary Table S1. Summary of the identified PIPs of fibroin genes.

Supplementary Table S2. Common PIPs of each fibroin gene in the M4 and L5D5 PSGs.

Supplementary Table S3. Unique PIPs of each fibroin gene in the M4 and L5D5 PSGs.

Supplementary Table S4. Common PIPs shared by the three fibroin genes.

Supplementary Table S5. Primer sequences used in this study.

Name	Primer sequences (5′ → 3′)
fibH-BF	bio-GGTACCAGATAACGGATATAAATG
fibH-F	GGTACCAGATAACGGATATAAATG
fibH-R	GCTAGCCTTGAGAGTTGG
fibL-BF	bio-TAACAAAGTGGTGCCTATCC
fibL-F	TAACAAAGTGGTGCCTATCC
fibL-R	TTTAGTGGTCTGTTATGTGACCAATC
P25-BF	bio-CGCCACTGAGTCGCATTA
P25-F	CGCCACTGAGTCGCATTA
P25-R	GTTGCGCGAATAATAAACAACTG
GFP-F	ATGGAGAGCGACGAGAGC
GFP-R	GCGAGATCCGGTGGAGCC