**Table 2. Potential TFs identified from the PIPs of fibroin genes**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Protein ID** | **Chromosome** | **Family/domain** | **Interacting promoters**  **in M4** | | | **Interacting promoters**  **in L5D5** | | |
| P\_KWMTBOMO00339 | Chr1 | CSD | *fibH* |  | *P25* | *fibH* |  | *P25* |
| P\_KWMTBOMO00366 | Chr1 | TF\_others | *fibH* | *fibL* | *P25* |  | *fibL* | *P25* |
| P\_KWMTBOMO00497 | Chr1 | THAP | *fibH* | *fibL* | *P25* | *fibH* |  | *P25* |
| P\_KWMTBOMO01796 | Chr4 | TF\_others |  | *fibL* |  | *fibH* | *fibL* | *P25* |
| P\_KWMTBOMO03626 | Chr6 | NCU-G1 | *fibH* | *fibL* | *P25* | *fibH* | *fibL* | *P25* |
| P\_KWMTBOMO04742 | Chr8 | ETS | *fibH* |  | *P25* |  |  |  |
| P\_KWMTBOMO04674 | Chr8 | HMG |  |  |  |  | *fibL* | *P25* |
| P\_KWMTBOMO04757 | Chr8 | MBD |  |  |  |  |  | *P25* |
| P\_KWMTBOMO04877 | Chr9 | MBD |  |  |  |  |  | *P25* |
| P\_KWMTBOMO04966 | Chr9 | zf-C2H2 |  |  |  |  | *fibL* |  |
| P\_KWMTBOMO05228 | Chr9 | zf-C2H2 |  |  |  |  |  | *P25* |
| P\_KWMTBOMO05675 | Chr10 | zf-C2H2 | *fibH* | *fibL* | *P25* |  |  |  |
| P\_KWMTBOMO05699 | Chr10 | zf-C2H2 |  |  |  |  | *fibL* |  |
| P\_KWMTBOMO05810 | Chr10 | Nrf1 |  |  |  | *fibH* | *fibL* | *P25* |
| P\_KWMTBOMO07323 | Chr12 | NCU-G1 |  | *fibL* | *P25* | *fibH* | *fibL* | *P25* |
| P\_KWMTBOMO08022 | Chr13 | HMG |  | *fibL* | *P25* |  |  |  |
| P\_KWMTBOMO08820 | Chr15 | TF\_others | *fibH* | *fibL* | *P25* | *fibH* | *fibL* | *P25* |
| P\_KWMTBOMO09050 | Chr15 | zf-C2H2 | *fibH* | *fibL* |  | *fibH* |  | *P25* |
| P\_KWMTBOMO09808 | Chr16 | NCU-G1 | *fibH* | *fibL* | *P25* | *fibH* | *fibL* | *P25* |
| P\_KWMTBOMO10147 | Chr17 | TF\_others |  |  |  |  |  | *P25* |
| P\_KWMTBOMO11061 | Chr18 | TF\_others | *fibH* | *fibL* | *P25* | *fibH* | *fibL* | *P25* |
| P\_KWMTBOMO11731 | Chr19 | HMG | *fibH* | *fibL* | *P25* |  |  |  |
| P\_KWMTBOMO12659 | Chr21 | NCU-G1 | *fibH* | *fibL* | *P25* | *fibH* |  | *P25* |
| P\_KWMTBOMO14887 | Chr24 | NCU-G1 |  | *fibL* | *P25* | *fibH* | *fibL* | *P25* |
| P\_KWMTBOMO15035 | Chr25 | THAP |  |  |  |  |  | *P25* |
| P\_KWMTBOMO15757 | Chr26 | Homeobox |  |  |  | *fibH* |  | *P25* |
| P\_KWMTBOMO15758 | Chr26 | Homeobox | *fibH* | *fibL* | *P25* | *fibH* | *fibL* | *P25* |
| P\_KWMTBOMO15781 | Chr26 | THAP |  | *fibL* |  | *fibH* | *fibL* | *P25* |
| P\_KWMTBOMO15928 | Chr27 | bHLH |  | *fibL* |  |  |  | *P25* |
| P\_KWMTBOMO16040 | Chr27 | TF\_others |  | *fibL* | *P25* |  |  | *P25* |
| P\_KWMTBOMO16524 | Scaf007 | TF\_others | *fibH* | *fibL* | *P25* |  | *fibL* |  |