**Table S6. Major MEME motif sequence in *Lotus japonicus* HD-Zip protein**

|  |  |  |
| --- | --- | --- |
| Motif | Width | Best possible match |
| 1 | 29 | ZLGLQPRQVKVWFQNRRARWKTKQEEVDY |
| 2 | 29 | RKKLRLTKEQVQALERSFKECPKLNPKQK |
| 3 | 50 | LPSGCVIQDMPNGYSKITWVEHVEVDERSVHZLYRPLVESGKAFGAKRWI |
| 4 | 42 | STGVPGNNNGAJZLMYAELQAPTPLVPTREFYFLRYCKQHED |
| 5 | 21 | NENLTEENARLQKEVZELKAL |
| 6 | 50 | TSVWLPVSPKRVFDFLRDENSRSZWDILSNGGPVQEMAHIAKGQDPGNCV |
| 7 | 49 | KPSGFRSEASRETGVVIMNSVALVETLMDANQWAEMFPCIVSRAATLEV |
| 8 | 35 | JLRQENEKLRAENMRLREALSNPSCPNCGGPAMIG |
| 9 | 29 | SADGRKSMLKLAZRMTNNFCAGVCASSAH |
| 10 | 29 | ADKPIJLEJAVAAMEELIKMAQTGEPLWV |