

## IDENTIFICATION

**Species:** *Miscanthus sinensis*

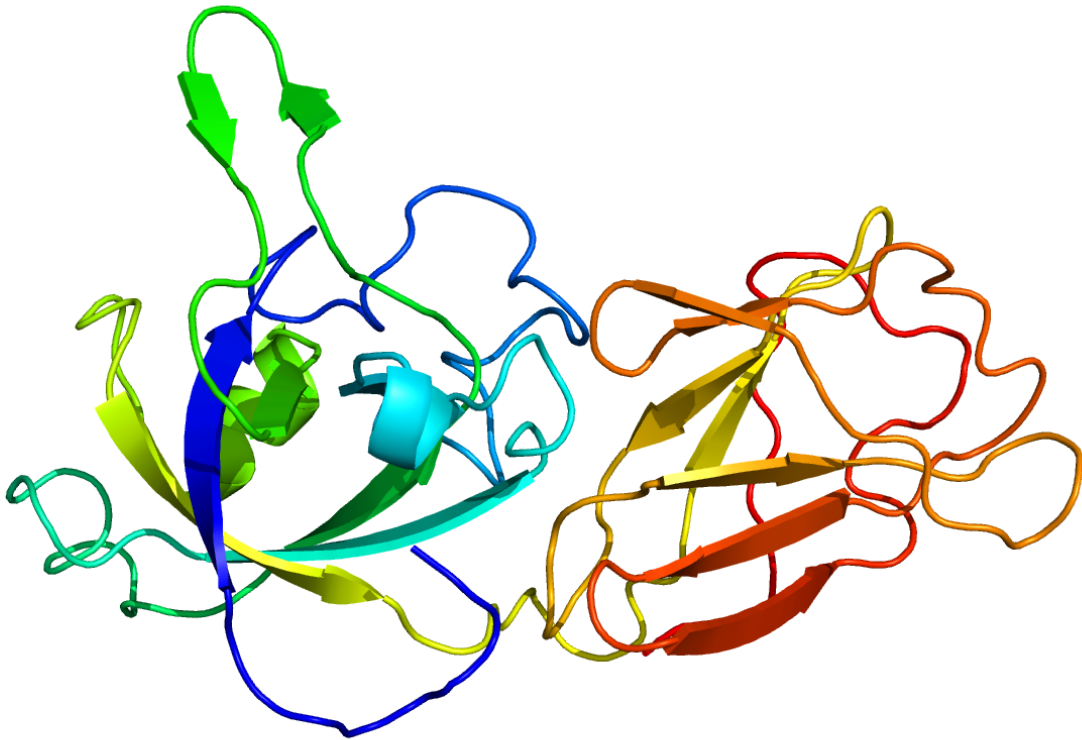
**Locus:** Misin01G211800

**Gene Model:** Misin01G211800.1.p

**Description:** McsEXPA-03

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

Phytozome: [https://phytozome-next.jgi.doe.gov/info/Msinensis\\_v7\\_1](https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1)

KEGG:-

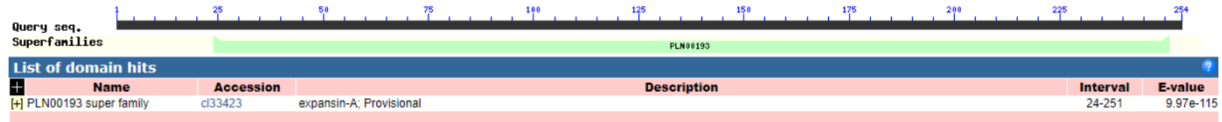
## EXTERNAL RESOURCES

<https://grass-genome-hub.southgreen.fr/Genomeassembly/47213>

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>McsEXPA-03

MGTTVAQLKPLAVVVLALLVTSARADYWNSGTATFYGGPDGSGTMGGACGYENLY  
NAGYGVLNAALSQVLFNDGASCGQCYTIKCDNTQSVWCKPGNTVTVTATNLCPNY  
ALPNGGWCGPPRPHFDMSQPAWENIGMYRGGIIPVLYQRVRCRQGGVRLRITGSQY  
FQLTLITNVGGSGSIQSMSVKGTNTGWIAMTRNWGAQWQSNSALLNKALSFMVTST  
GGQTLYINNVVPEGWVLGTTFATNAQFDY\*

### CDS (coding sequence)

>McsEXPA-03

ATGGGCACCACGGTGGCGCAGCTCAAGCCCTTGGCCGTGGTCGTCCTTGCGCTGC  
TGGTCACGTCGGCAAGGGCGGACTACTGGAACAGTGGCACGGCGACGTTCTACG  
GCGGCCCCGACGGCTCCGGGACCATGGGTGGCGCGTGCGGCTACGAAAACCTGT  
ACAACGCGGGCTATGGAGTGCTCAACGCTGCGCTGAGCCAGGTGCTGTTCAACGA  
CGGCGCCTCGTGCGGCCAGTGCTACACCATCAAGTGCGACAACACCCAGTCCGTG  
TGGTGCAAGCCCGGCAACACCGTCACCGTCACGGCCACCAACCTGTGCCCCGCCA  
ACTACGCGCTCCCCAACGGCGGCTGGTGGCGCCCGCCGCGCCCCACTTCGACAT  
GTCCCAGCCGGCATGGGAGAACATCGGCATGTACCGCGGTGGCATCATCCCAGTC  
CTCTACCAGCGGGTGCATGCTCGAGGCAGGGAGGCGTGAGGTTGAGAATCACC  
GGGTCCCAGTACTTCCAGCTGACTCTCATCACAACGTCGGCGGCAGTGGGTCCA  
TCCAGTCCATGTCGGTGAAGGGGACCAACACCGGGTGGATTGCCATGACGCGGA  
ACTGGGGAGCGCAATGGCAGAGCAACTCGGGCGCTCCTCAACAAGGCGCTCTCCTT  
CATGGTCACCTCCACCGGCGGCCAGACGCTGTACATCAACAACGTCGTGCCGGAG  
GGGTGGGTGCTGGGCACGACATTCGCCACCAACGCGCAGTTTGACTATTAG

### Nucleotide

>McsEXPA-03

ATGGGCACCACGGTGGCGCAGCTCAAGCCCTTGGCCGTGGTCGTCCTTGCGCTGC  
TGGTCACGTCGGCAAGGGCGGACTACTGGAACAGTGGCACGGCGACGTTCTACG  
GCGGCCCCGACGGCTCCGGGACCATGGGTACGTACGCAGAGCGTACTGCGTGGG  
CACGTACGCGTGGAGAGCGAGCTCTATCATCACTCGATTTCTATGCAGCCTTGTG  
GCGGCAAGCTTGTATGTTGCTGATACTTGCAGTTGGTTTGGCTTGAAGTGTGTTGTG  
CGTCGACGCATGCAGGTGGCGCGTGCGGCTACGAAAACCTGTACAACGCGGGCT

ATGGAGTGCTCAACGCTGCGCTGAGCCAGGTGCTGTTCAACGACGGCGCCTCGTG  
CGGCCAGTGCTACACCATCAAGTGCGACAACACCCAGTCCGTGTGGTGCAAGCCC  
GGCAACACCGTCACCGTCACGGCCACCAACCTGTGCCCGCCAACTACGCGCTCC  
CCAACGGCGGGCTGGTGC GGCCCGCGCCCCACTTCGACATGTCCAGCCGGC  
ATGGGAGAACATCGGCATGTACCGCGGTGGCATCATCCAGTCCTCTACCAGCGG  
TAAGCTTAGCTACACCACGTACGGTCGGCAAACCTCGCCGGACCTTAATTAGGGT  
TGTCACTCTAGTTCTAGCAAGATGATAGAGTAATTAACCGATCGAGATATCGATG  
TGCATGGCTCGCGATCGGTGGTGTGCAGGGTGCATGCTCGAGGCAGGGAGGCG  
TGAGGTTGAGAATCACCGGGTCCCAGTACTTCCAGCTGACTCTCATCACCAACGT  
CGGCGGCAGTGGGTCCATCCAGTCCATGTCCGGTGAAGGGGACCAACACCGGGTG  
GATTGCCATGACGCGGAACTGGGGAGCGCAATGGCAGAGCAACTCGGCGCTCCT  
CAACAAGGCGCTCTCCTTCATGGTCACCTCCACCGGCGGCCAGACGCTGTACATC  
AACAACGTCGTGCCGGAGGGGTGGGTGCTGGGCACGACATTCGCCACCAACGCG  
CAGTTTGACTATTAG