

## IDENTIFICATION

**Species:** *Miscanthus sinensis*

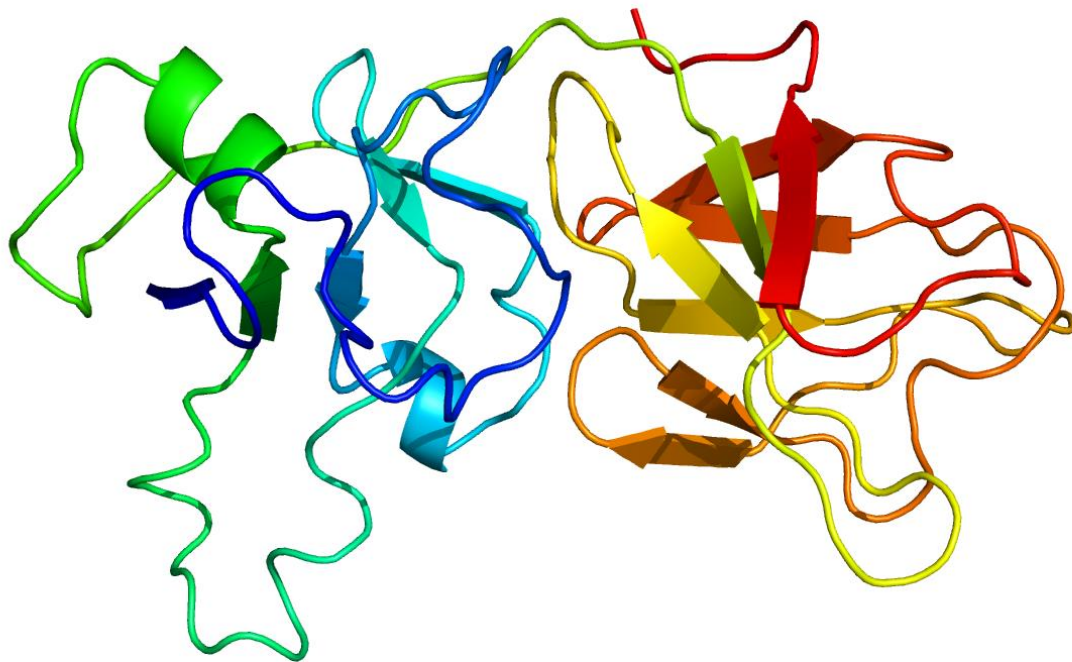
**Locus:** Misin02G208900

**Gene Model:** Misin02G208900.1.p

**Description:** McsEXPA-14

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

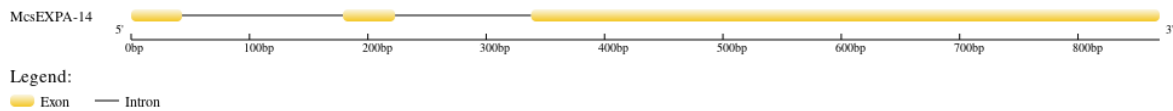
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Msinensis\\_v7\\_1](https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1)

KEGG:-

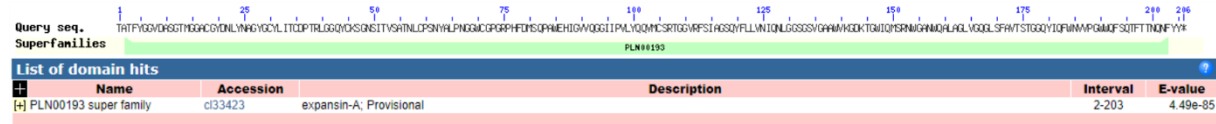
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>McsEXPA-14

TATFYGGVDASGTMGGACGYDNLNAGYGCYLITCDPTRLGGQYCKSGNSITVSAT  
NLCPSNYALPNGGWCGPGRPHFDMSQPAWEHIGVVQGGIIPVLYQQVMCSRTGGVR  
FSIAGSQYFLLVNIQNLGSGSVGAAWVKGDKTGWIQMSRNWGANWQALAGLVGG  
GLSFAVTSTGGQYIQFVNVPGWVWQFSQTFTTNQNFYY\*

### CDS (coding sequence)

>McsEXPA-14

ACTGCCACTTTCTACGGCGGAGTCGACGCGTCCGGCACGATGGGTGGCGCATGCG  
GGTACGACAACCTGTACAACGCGGGGTACGGCTGCTACCTCATCACCTGCGACCC  
AACGCGCCTGGGCGGTCAGTACTGCAAGTCCGGTAACCTCCATCACGGTCTCGGCC  
ACCAACCTGTGCCCCTCCAACCTACGCGCTCCCCAACGGCGGGTGGTGCGGCCCGG  
GCCGCCCGCACTTCGACATGTCCCAGCCGGCGTGGGAGCACATCGGCCGTCGTCCA  
GGGCGGCATCATCCCAGTCCTGTACCAGCAGGTCATGTGCTCGCGCACTGGCGGC  
GTGCGCTTCAGCATCGCCGGCTCCCAGTATTTTCTGCTCGTCAACATCCAGAACCT  
CGGCGGCAGTGGTTCTGTGGGCGCTGCGTGGGTGAAGGGCGACAAGACGGGGTG  
GATCCAGATGTCCAGGAACCTGGGGTGCCAACCTGGCAGGCGCTCGCTGGGCTCGTC  
GGCCAGGGGCTCAGCTTCGCCGTTACCTCTACCGGCGGGCAGTACATTCAGTTCT  
GGAACGTGGTCCCTGGGTGGTGGCAGTTCAGCCAGACCTTCACCACAAACCAGA  
ATTTCTACTACTAA

### Nucleotide

>McsEXPA-14

ACTGCCACTTTCTACGGCGGAGTCGACGCGTCCGGCACGATGGGTAAAGAATGCAT  
GCATTCATTTTCTGTACACCAGGGTCAAGA ACTATTGTACATATGGTACATTTGTG  
TACGTATATATAACAAAGAATCACTTCGTCGCTAATGCATGCATGTCTATGATAT  
GACACATGTACAGGTGGCGCATGCGGGTACGACAACCTGTACAACGCGGGGTAC  
GGCGTGAACAACGCGGCGCTGAGCCCGACCCTGTTCAACGACGGCGCGTCTGTC  
GGGCAGTGCTACCTCANNNNNNNNNGCCCGACCCTGTTCAACGACGGCGCGTCT  
GTGCGGGCAGTGCTACCTCATCACCTGCGACCCAACGCGCCTGGGCGGTCAGTAC  
TGCAAGTCCGGTAACTCCATCACGGTCTCGGCCACCAACCTGTGCCCGTCCAAC  
ACGCGCTCCCCAACGGCGGGTGGTGCGGCCCGGGCCGCCCGCACTTCGACATGTC

CCAGCCGGCGTGGGAGCACATCGGCGTCGTCCAGGGCGGCATCATCCCAGTCCTG  
TACCAGCAGGTCATGTGCTCGCGCACTGGCGGGCGTGCCTTCAGCATCGCCGGCT  
CCCAGTATTTTCTGCTCGTCAACATCCAGAACCTCGGCGGCAGTGGTTCTGTGGG  
CGCTGCGTGGGTGAAGGGCGACAAGACGGGGTGGATCCAGATGTCCAGGAACTG  
GGGTGCCAACTGGCAGGCGCTCGCTGGGCTCGTCGGCCAGGGGCTCAGCTTCGCC  
GTTACCTCTACCGGCGGGCAGTACATTCAGTTCTGGAACGTGGTCCCTGGGTGGT  
GGCAGTTCAGCCAGACCTTCACCACAAACCAGAATTTCTACTACTAA