

## IDENTIFICATION

**Species:** *Miscanthus sinensis*

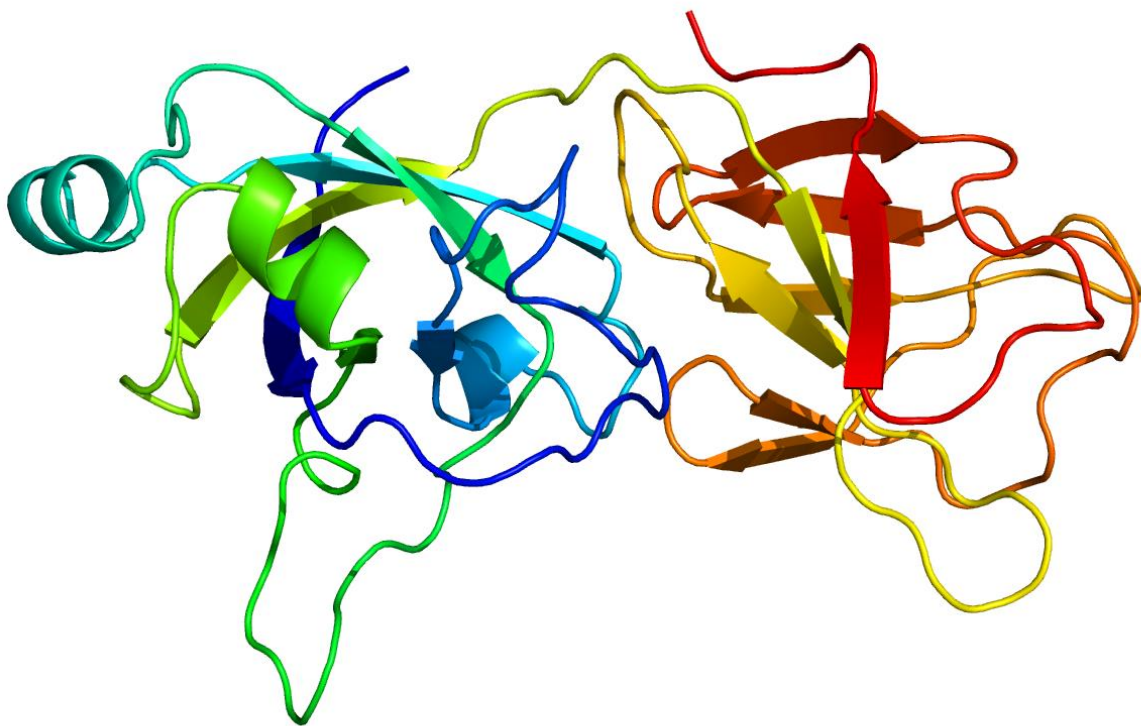
**Locus:** Misin01G221600

**Gene Model:** Misin01G221600.1.p

**Description:** McsEXPA-05

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

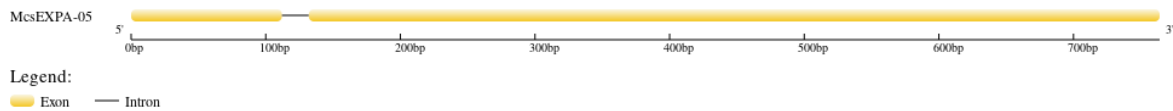
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Msinensis\\_v7\\_1](https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1)

KEGG:-

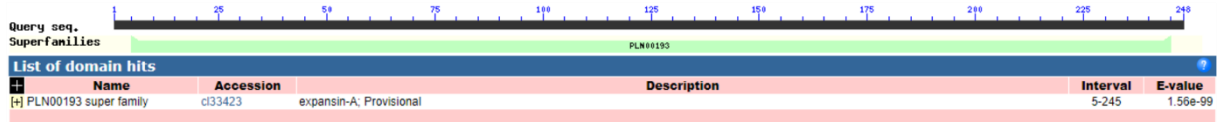
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>McsEXPA-05

MAPRMLVLWGVVLAASAATDVAGWSPGTATFYGGSTACGYGNLYSAGYGVNNA  
ALSQTLFNDGASCGQCYAITCDGSGSRTGSQYCKPGNTVTVTATNLCPPNYGLPNGG  
WCGPGRPHVDMSQPAWENIGVVQGGIIPVLYQQVKCSRSSGGVRFNIAGSNYFLLVSI  
QNLGSGSVAAA WVKGDKTGWIQMSRNWGANWQALSGLTGQALSFAVTSTGGQY  
IQFLNVAPTWWQFGQTYSTNQQFY\*

### CDS (coding sequence)

>McsEXPA-05

ATGGCGCCCAGGATGTTGGTTCTGTGGGGTGTGTTCTGGTGGCGGCGTCCGCAG  
CGACCGATGTAGCGGGTGGTTCGCCCGGCACGGCGACCTTCTATGGCGGGTCGAC  
GGCGTGCGGATACGGCAACCTGTACAGCGCCGGGTACGGCGTTAACAACGCGGC  
GCTGAGCCAGACGCTGTTCAACGACGGCGCGTCGTGCGGGCAGTGCTACGCCATC  
ACATGTGATGGATCTGGATCACGCACGGGCAGCCAGTACTGCAAGCCC GGCAAC  
ACCGTCACCGTTACGGCCACCAACCTGTGCCACCCAACTACGGCCTCCCCAACG  
GAGGCTGGTGC GGCCCGGGACGCCCCGACGTCGACATGTCGACGCCGGCATGGG  
AGAACATCGGCGTCGTCCAGGGCGGCATCATCCCTGTCTGTACCAGCAGGTCAA  
GTGCTCGCGCAGCGGCGGTGTGCGCTTCAACATCGCCGGCTCCA ACTACTTCTG  
CTCGTCAGCATCCAGAACCTCGGCGGCAGCGGCTCAGTGGCAGCCGCTTGGGTCA  
AGGGCGATAAGACGGGGTGGATCCAGATGTCTAGGAACTGGGGCGCTAATTGGC  
AGGCTCTCTCGGGGCTCACCGGCCAGGCGCTCAGCTTCGCCGTC ACTAGCACCGG  
CGGGCAGTACATACAGTTCCTGAACGTGGCGCCGACGTGGTGGCAGTTCGGACA  
GACCTACTCCACCAATCAGCAGTTTTACTACTGA

### Nucleotide

>McsEXPA-05

ATGGCGCCCAGGATGTTGGTTCTGTGGGGTGTGTTCTGGTGGCGGCGTCCGCAG  
CGACCGATGTAGCGGGTGGTTCGCCCGGCACGGCGACCTTCTATGGCGGGTCGAC  
GGGTCCGGAACCATGGGCGGAGCGTGCGGATACGGCAACCTGTACAGCGCCGGG  
TACGGCGTTAACAACGCGGCGCTGAGCCAGACGCTGTTCAACGACGGCGCGTCGT  
GCGGGCAGTGCTACGCCATCACATGTGATGGATCTGGATCACGCACGGGCAGCC  
AGTACTGCAAGCCC GGCAACACCGTACCGTTACGGCCACCAACCTGTGCCAC

CAACTACGGCCTCCCCAACGGAGGCTGGTGC GGCCCGGGACGCCC GCACGT CGA  
CATGTCGCAGCCGGCATGGGAGAACATCGGCGTCGTCCAGGGCGGCATCATCCCT  
GTCCTGTACCAGCAGGTCAAGTGCTCGCGCAGCGGCGGTGTGCGCTTCAACATCG  
CCGGCTCCA ACTACTTCCTGCTCGTCAGCATCCAGAACCTCGGCGGCAGCGGCTC  
AGTGGCAGCCGCTTGGGTCAAGGGCGATAAGACGGGGTGGATCCAGATGTCTAG  
GAACTGGGGCGCTAATTGGCAGGCTCTCTCGGGGCTCACCGGCCAGGCGCTCAGC  
TTCGCCGTCACTAGCACCGGCGGGCAGTACATACAGTTCCTGAACGTGGCGCCGA  
CGTGGTGGCAGTTCGGACAGACCTACTCCACCAATCAGCAGTTTTACTACTGA