

## IDENTIFICATION

**Species:** *Miscanthus sinensis*

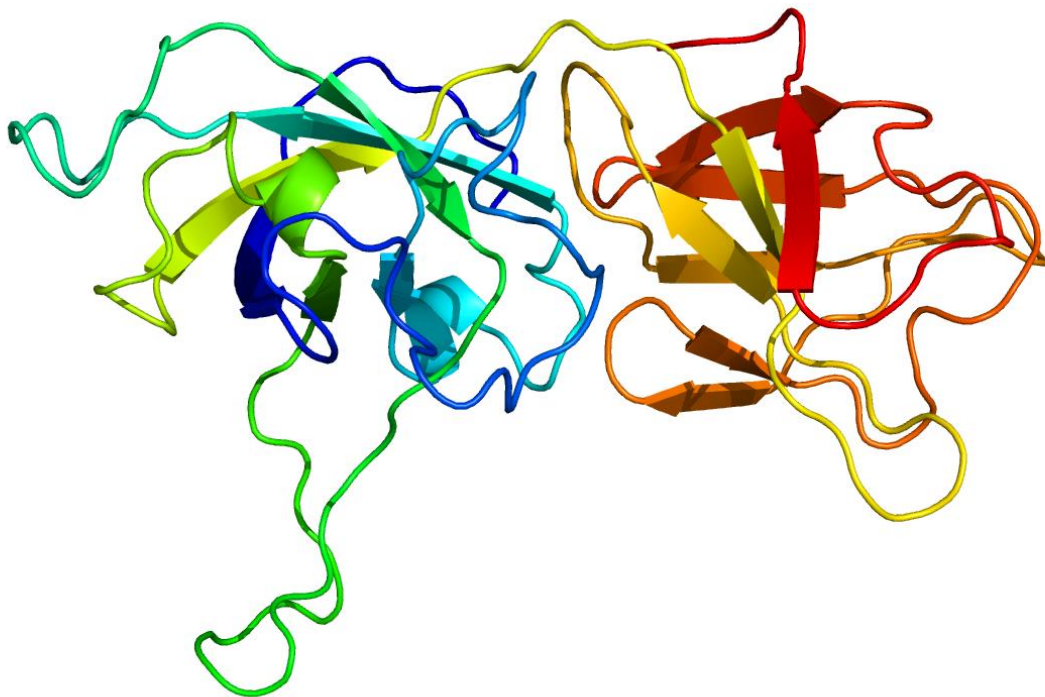
**Locus:** Misin11G027000

**Gene Model:** Misin11G027000.1.p

**Description:** McsEXPA-48

**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:-

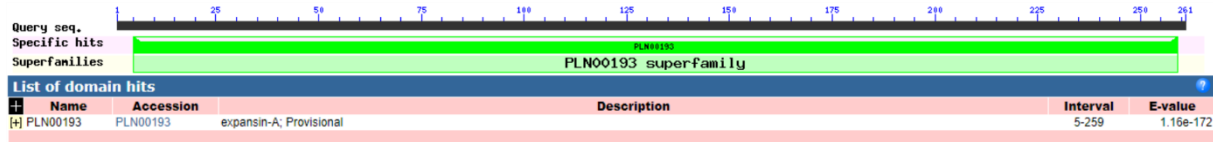
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>McsEXPA-48

MKATGSAVARVLVLLATTCLLWKEAACFSASGMNKAFATFYGGSDASGTMGGACG  
YGNLYSTGYGTNTAALSTALFNDGASCGQCYRIWCDYQADPRFCIRGTSVTITATNL  
CPPNYALPNDGWCNPPRQHFDMAEPAWLKIGIYRGGIVPVNYQRVPCVKQGGVR  
FTINGRDYFELVLISNVGGCGSMQASIKGSRTGWMAMSRNWGVNWQSNAYLNGQ  
SLSFQVTSSDGQTKTFLNVAPAGWGFGQTFATSQQFS\*

### CDS (coding sequence)

>McsEXPA-48

ATGAAGGCAACTGGCTCAGCAGTCGCTCGCGTTCTCGTGTTGCTCGCGACGACAT  
GCCTCCTCTGGAAAGAAGCCGCGTGCTTCTCGGCGTCCGGCATGAACAAGGCGTT  
CGCCACTTTCTATGGCGGTAGCGACGCTTCAGGAACGATGGGTGGGGCTTGTGGG  
TACGGGAACCTGTACTCGACGGGGTACGGCACGAACACGGCGGGCGCTGAGCACG  
GCGCTGTTCAACGACGGCGCCTCGTGCGGGCAGTGCTACCGGATCTGGTGCGACT  
ACCAGGGCGGACCCGCGGTTCTGCATCCGCGGCACGTCCGTGACCATCACGGCCAC  
CAACCTGTGCCCTCCCAACTACGCGCTGCCCAACGACGACGGCGGCTGGTGCAAC  
CCGCCACGGCAGCACTTCGACATGGCCGAGCCCGCATGGCTCAAGATCGGCATCT  
ACCGCGGCGGCATCGTGCCCGTCAACTACCAAAGGGTGCCGTGTGTGAAGCAAG  
GCGGGGTGAGGTTACCATCAACGGGCGCGACTACTTCGAGCTGGTGCTCATCTC  
CAACGTCGGCGGCTGCGGCTCCATGCAGTCGGCGTCGATCAAGGGATCGCGGAC  
CGGGTGGATGGCCATGTCCAGGAAC TGGGGCGTCAACTGGCAGTCCAACGCCTA  
CCTCAACGGGCAGAGCCTGTCGTTCCAGGTCACCAGCAGCGACGGCCAGACCAA  
GACCTTCTCAACGTCGCGCCCCGCCGGCTGGGGGTTTCGGCCAAACGTTTCGCGACC  
TCGCAGCAGTTCTCTTAG

### Nucleotide

>McsEXPA-48

GTGGTTCGTCTCCTAACTCGCTAGCTCGCTGACAATAACAACAATGAAGGCAACT  
GGCTCAGCAGTCGCTCGCGTTCTCGTGTTGCTCGCGACGACATGCCTCCTCTGGA  
AAGAAGCCGCGTGCTTCTCGGCGTCCGGCATGAACAAGGCGTTCGCCACTTTCTA  
TGGCGGTAGCGACGCTTCAGGAACGATGGGTAAGAAGATCGATCGTGACGCCGA

TAACAACAGTCCAAAAGCTATAGCTGATGCACATACATCCTGCAGGTGGGGC  
TTGTGGGTACGGGAACCTGTACTCGACGGGGTACGGCACGAACACGGCGGCGCT  
GAGCACGGCGCTGTTCAACGACGGCGCCTCGTGCGGGCAGTGCTACCGGATCTGG  
TGCGACTACCAGGCGGACCCGCGGTTCTGCATCCGCGGCACGTCCGTGACCATCA  
CGGCCACCAACCTGTGCCCTCCAACTACGCGCTGCCAACGACGACGGCGGCTG  
GTGCAACCCGCCACGGCAGCACTTCGACATGGCCGAGCCCGCATGGCTCAAGATC  
GGCATCTACCGCGGCGGCATCGTGCCCGTCAACTACCAAAGGTTGCTCGCTCCTG  
CCGATCAATCCACGGGCGCTTTATATATATATTTCCCGTACAAGTCCTTCGCATG  
ATCTGAAGGGACTCCGACGACATTGTGTAGGGTGCCGTGTGTGAAGCAAGGCGG  
GGTGAGGTTACCATCAACGGGCGCGACTACTTCGAGCTGGTGCTCATCTCCAAC  
GTCGGCGGCTGCGGCTCCATGCAGTCGGCGTCGATCAAGGGATCGCGGACCGGG  
TGGATGGCCATGTCCAGGAACTGGGGCGTCAACTGGCAGTCCAACGCCTACCTCA  
ACGGGCAGAGCCTGTCGTTCCAGGTCACCAGCAGCGACGGCCAGACCAAGACCT  
TCCTCAACGTCGCGCCCGCCGGCTGGGGGTTTCGGCCAAACGTTTCGCGACCTCGCA  
GCAGTTCTCTTAGTTGTTTAGTGGACATTTTTGTTTTAATTTGCGCCTCTCTCGCTC  
GTCTTTTATTATATACAATATATGCCTCGACTCGACCCGATCAATACCATGTAAAG  
TTACCTGCTTTCCTTCACATGCCCCACCCTGCCGCGGTCCAGGACCTATATATAT