

## IDENTIFICATION

**Species:** *Miscanthus sinensis*

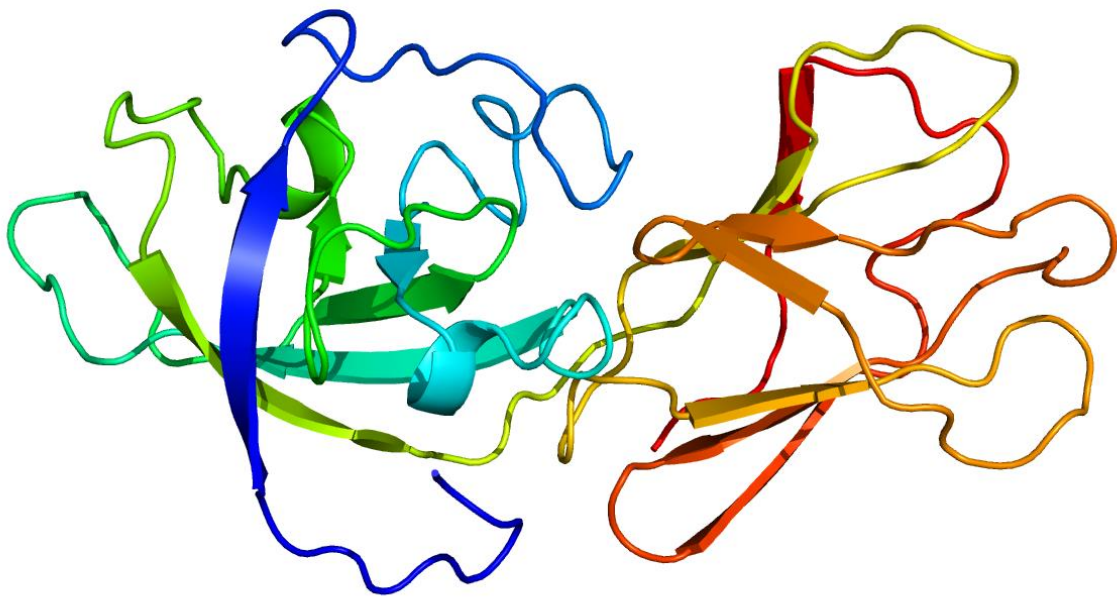
**Locus:** Misin11G194200

**Gene Model:** Misin11G194200.1.p

**Description:** McsEXPA-50

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

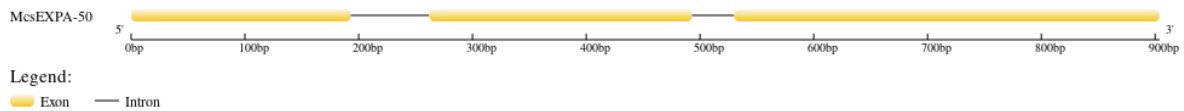
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Msinensis\\_v7\\_1](https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1)

KEGG:-

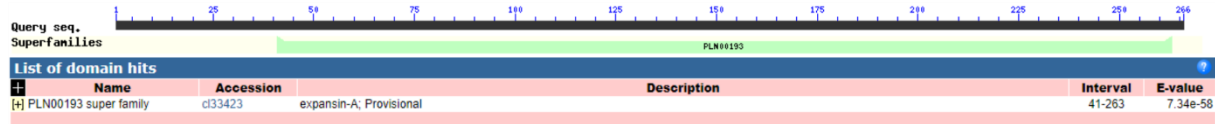
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>McsEXPA-50

MVAKHVVNHLGPTWRAAGLPAPRAALPERPGASISRDDVILALFISPVRSSDWLPAT  
ATFYGGVARTYAGGVCGYSYLYELGYGINNVALSTALFNDGGSCGQCYMIIYDSNK  
TGWCKPSNNWVVSVTNFYPPNWALSAAGCLGEHQHLQRRHHPILYQWVKCWKS  
GSLRFTITGFNDFYMLITNVAGNGSIQSMAMKGSNMDWIPMYMNWGTNWHCLSG  
GLIGQGLSFVLVSTSGQNLVFKGVVLEWWQFGQTFTTYQNFY\*

### CDS (coding sequence)

>McsEXPA-50

ATGGTGGCCAAGCATGTAGTCAACCATCTCGGCCCCACGTGGCGTGCTGCTGGTC  
TTCCAGCACCGCGTGCTGCACTTCCCGAGCGGCCGGGCGCTTCTATCTCCCGTGA  
CGACGTCATCCTTGCACTCTTCATCTCACCGGTGAGATCCAGCGACTGGCTTCCAG  
CCACCGCCACATTCTACGGCGGGCGTGCCACGTACGTATGCAGGTGGCGTGTGCCG  
GTACAGCTATCTGTACGAGCTAGGCTACGGCATCAATAATGTGGCGCTGAGCACG  
GCGCTCTTCAATGATGGCGGGTCATGTGGACAGTGCTACATGATCATCTACGACA  
GCAACAAGACCGGGTGGTGCAAGCCCAGCAACA ACTGGGTCGTCGTCTCCGTCA  
CCA ACTTCTACCCACCAACTGGGCCCCTGTCCGGCGGCTGGCTGCCTAGGAGAACA  
TCAGCATCTACAGCGCCGGCATCATCCATCCTCTACCAGTGGGTCAAGTGCTGG  
AAGAGCGGCAGCTTGCGATTCACCATCACCGGCTTCAACGACTTCTACATGGTGC  
TCATCACCAATGTCGCCGGCAATGGCTCCATCCAGAGCATGGCGATGAAGGGCA  
GCAACATGGACTGGATCCCCATGTACATGAACTGGGGCACCAACTGGCACTGCCT  
CTCCGGTGGGCTCATCGGCCAGGGCCTCAGCTTCGTGCTCGTCTCCACCAGCGGC  
CAGAACCTCGTCTTCAAGGGTGTCTGTGCTGGAGTGGTGGCAGTTCGGACAAACCT  
TCACCACCTACCAAAATTTGACTACTAA

### Nucleotide

>McsEXPA-50

ATGGTGGCCAAGCATGTAGTCAACCATCTCGGCCCCACGTGGCGTGCTGCTGGTC  
TTCCAGCACCGCGTGCTGCACTTCCCGAGCGGCCGGGCGCTTCTATCTCCCGTGA  
CGACGTCATCCTTGCACTCTTCATCTCACCGGTGAGATCCAGCGACTGGCTTCCAG  
CCACCGCCACATTCTACGGCGGGCGTGGGTGGGTAACCTATAGCTACCTTTGTCTTT  
CGTTGGGTGATGGTGTGCAGACTTTGATCTGATCAATGAGCACGTACGTATGCAG

GTGGCGTGTGCGGGTACAGCTATCTGTACGAGCTAGGCTACGGCATCAATAATGT  
GGCGCTGAGCACGGCGCTCTTCAATGATGGCGGGTCATGTGGACAGTGCTACATG  
ATCATCTACGACAGCAACAAGACCGGGTGGTGCAAGCCCAGCAACAACCTGGGTC  
GTCGTCTCCGTCACCAACTTCTACCCACCCAACCTGGGCCCTGTCGGCGGGCTGGTGT  
GGCCCGCCCCACCCCACTTCGACATGTCTCAGGCTGCCTAGGAGAACATCAGCA  
TCTACAGCGCCGGCATCATCCCATCCTCTACCAGTGGGTCAAGTGCTGGAAGAGC  
GGCAGCTTGCGATTACCATCACCGGCTTCAACGACTTCTACATGGTGCTCATCA  
CCAATGTCGCCGGCAATGGCTCCATCCAGAGCATGGCGATGAAGGGCAGCAACA  
TGGACTGGATCCCCATGTACATGAACTGGGGCACCAACTGGCACTGCCTCTCCGG  
TGGGCTCATCGGCCAGGGCCTCAGCTTCGTGCTCGTCTCCACCAGCGGCCAGAAC  
CTCGTCTTCAAGGGTGTTCGTGCTGGAGTGGTGGCAGTTCGGACAAACCTTCACCA  
CCTACCAAATTTTGACTACTAA