

## IDENTIFICATION

**Species:** *Miscanthus sinensis*

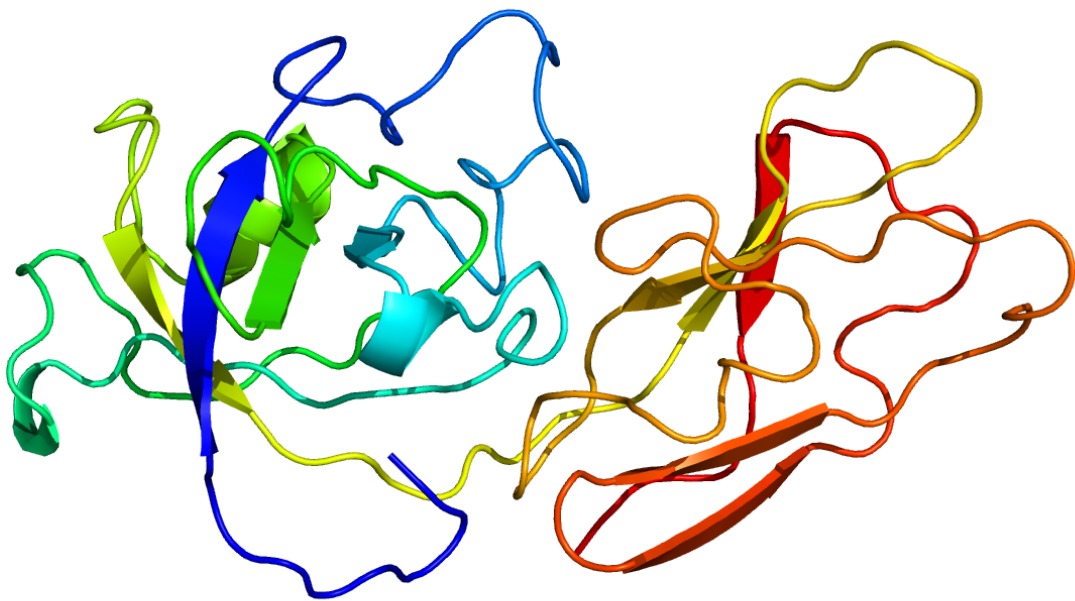
**Locus:** Misin12G002700

**Gene Model:** Misin12G002700.1.p

**Description:** McsEXPA-51

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

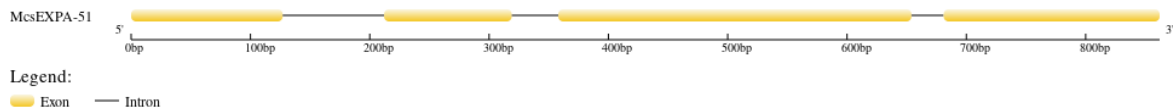
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Msinensis\\_v7\\_1](https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1)

KEGG:-

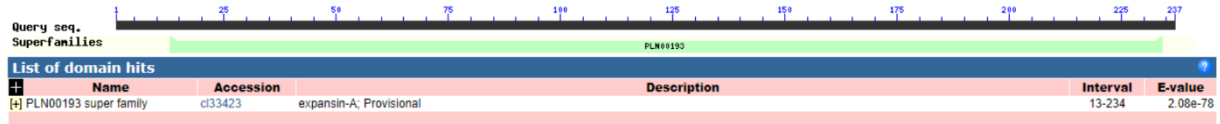
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>McsEXPA-51

RPSAPASRDAVVLALFVSPVRSGDWLPATATFYGGTDDSDTMGGACGYSDLYEQGY  
NINNTALSTALFNNGGASCGQCYPGNNWGVVVSATKFCPPNWDLPAGGELLAGGWCG  
PPRPHFDMSQPAWENIGIYSADIIPVLYQRVKCWKSGDVRFTIVGFNGFYMVLITNVA  
GSGSIQSMIPMYWNWGANWHCLSGGLVQGSLSFVLVSTGGQILVFKDVGPEWWQF  
GQTFTTYRNFY\*

### CDS (coding sequence)

>McsEXPA-51

CGGCCGAGCGCTCCTGCCTCCC GTGACGCCGTCGTCCTTGCACTCTTCGTCTCGCC  
GGTGAGATCCGGCGACTGGCTTCCGGCCACCGCCACGTTCTACGGCGGCACTGAT  
GACTCCGACACAATGGGTGGCGCTTGCGGGTACAGCGATCTGTACGAGCAGGGC  
TACAACATCAACAACACGGCGCTGAGCACGGCGCTCTTCAACGGCGGCGCATCGT  
GCGGACAGTGCTACCCCGGCAACA ACTGGGGCGTTCGTCTCCGCCACCAAGTTCTG  
CCCACCCA ACTGGGACCTCCCCGCCGGCGGGGAGCTCCTTGCCGGCGGCTGGTGC  
GGCCCGCCCCGCCCCACTTCGACATGTCCCAGCCCGCCTGGGAGAACATCGGCA  
TCTATAGCGCCGACATCATCCCCGTCTTACCAGCGGGTCAAGTGCTGGAAGAG  
CGGCGACGTGCGATTACCATCGTCGGCTTCAACGGCTTCTACATGGTGCTCATC  
ACCAACGTCGCTGGCAGCGGCTCCATCCAGAGCATGATCCCCATGTACTGGA ACT  
GGGGCGCAACTGGCACTGCCTCTCCGGCGGGCTCGTCGGCCAGAGCCTCAGCTT  
CGTGCTCGTCTCCACCGGCGGCCAGATCCTCGTCTTCAAGGATGTTCGGGCCAGAG  
TGGTGGCAGTTCGGACAAACCTTACCACCTACCGGAATTTGACTACTAA

### Nucleotide

>McsEXPA-51

CGGCCGAGCGCTCCTGCCTCCC GTGACGCCGTCGTCCTTGCACTCTTCGTCTCGCC  
GGTGAGATCCGGCGACTGGCTTCCGGCCACCGCCACGTTCTACGGCGGCACTGAT  
GACTCCGACACAATGGGTGGGTAACCTATAGCTACCTTTGTCTTTTGTGGGTCAT  
GGGTGTGCAGACTTTGATCTGATCAACGAGCACGTACGTATGCAGGTGGCGCTTG  
CGGGTACAGCGATCTGTACGAGCAGGGCTACAACATCAACAACACGGCGCTGAG  
CACGGCGCTCTTCAACGGCGGCGCATCGTGCGGACAGTGCTACGTGATCATCTAC  
GACAGCAGCAAGACCGGGTGATGCAAGCCCGGCAACA ACTGGGGCGTTCGTCTCC

GCCACCAAGTTCTGCCACCCAACCTGGGACCTCCCCGCCGGCGGGGAGCTCCTTG  
CCGGCGGCTGGTGCGGCCCGCCCCGCCCCACTTCGACATGTCCCAGCCCGCCTG  
GGAGAACATCGGCATCTATAGCGCCGACATCATCCCCGTCCTCTACCAGCGGGTC  
AAGTGCTGGAAGAGCGGGCAGCGTGCATTACCATCGTCGGCTTCAACGGCTTCT  
ACATGGTGCTCATCACCAACGTCGCTGGCAGCGGCTCCATCCAGAGCATGGCGAT  
GAAGGGCAGCAACACGCACTAGATCCCCATGTACTGGAACCTGGGGCGCCAACTG  
GCACTGCCTCTCCGGCGGGCTCGTCGGCCAGAGCCTCAGCTTCGTGCTCGTCTCC  
ACCGGCGGCCAGATCCTCGTCTTCAAGGATGTCGGGCCAGAGTGGTGGCAGTTTCG  
GACAAACCTTCACCACCTACCGGAATTCGACTACTAA