

## IDENTIFICATION

**Species:** *Miscanthus sinensis*

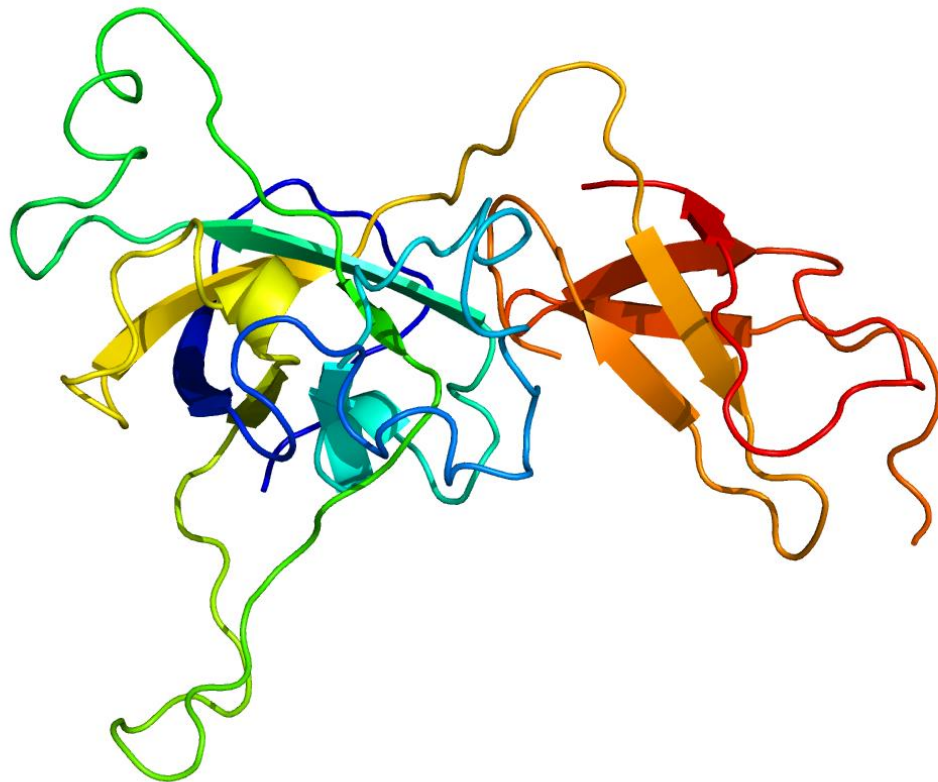
**Locus:** Misin02G330500

**Gene Model:** Misin02G330500.1.p

**Description:** McsEXPA-18

**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:-

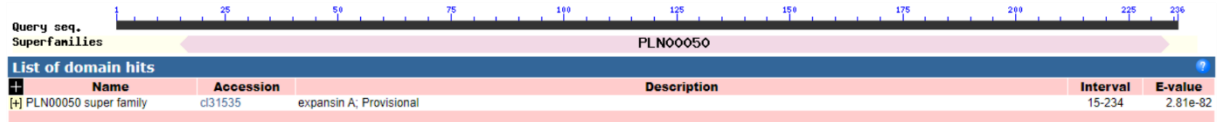
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>McsEXPA-18

MATLAVLLLLALLSMTFSSSAQGYGVGRWINAHATFYGGADASGTMGTSNAQVAR  
AGTATCTYSQGYGTATTALFSGGQSCGACFELRCAGGDRGSCAPGPGGSSSSVVVTA  
TNLCPPNYALPNDAGGWCNPPLRHFDSLQPAFLRIATYRAGIVPVA YRRVPCRRRGGI  
RFTVNGHPYFNLVLVANVGGAGDVRLDGQPLSFRVTTSDRRSVVSYNAAPAGWAFG  
QTFTGAQFP\*

### CDS (coding sequence)

>McsEXPA-18

ATGGCAACGCTAGCGGTGCTACTCTTGCTCGCCCTGCTCTCCATGACGTTCTCCTC  
CTCAGCTCAAGGCTATGGCGTTCGGGCGCTGGATCAATGCGCACGCCACCTTCTAT  
GGCGGCGCCGACGCTTCCGGCACGATGGGTACGAGCAATGCACAGGTGGCGCGT  
GCGGGTACGGCGACCTGTACGTACAGCCAGGGCTACGGCACGGCGACGACGGCG  
CTGTTTACGCGGGCAGAGCTGCGGCGCGTTCGAGCTGCGGTGCGCCGGCG  
GCGACCGTGGCTCGTGC GCGCCGGGTCCCGGCGGCTCGTCATCATCCGTCGTGGT  
GACGGCCACCAACCTGTGCCC GCCAACTACGCGCTCCCCAACGACGCCGGCGG  
GTGGTGCAACCCGCGCTGCGGCACTTCGACCTATCGCAGCCGGCGTTCCTCCGC  
ATCGCCACGTACCGCGCGGGCATCGTGCCCGTCCGCTACCGCAGGGTGCCGTGCC  
GGAGGCGGGGCGGCATCCGGTTCACCGTCAACGGCCACCCCTACTTCAACCTGGT  
GCTGGTCGCCAACGTGGGCGGCGCCGGCGACGTGCGCCTCGACGGCCAGCCGCT  
CTCGTTCAGGGTCAACCACGACCGCCGCTCCGTCGTGTCTACAACGCCGCG  
CCGGCCGGGTGGGCGTTCGGCCAGACATTCACCGGCGCCAGTTCCCGTAA

### Nucleotide

>McsEXPA-18

ATGGCAACGCTAGCGGTGCTACTCTTGCTCGCCCTGCTCTCCATGACGTTCTCCTC  
CTCAGCTCAAGGCTATGGCGTTCGGGCGCTGGATCAATGCGCACGCCACCTTCTAT  
GGCGGCGCCGACGCTTCCGGCACGATGGGTACGTACCTTGATCAGTTGGCCCCC  
GGCGAGCTTCTTTTACCGATCGATGCTGTTGCTGCCTAATGAGCGTGGTTGATCAT  
CAATTGCTGCTGCCTCCAATACTATAAACTAATAAAGGAGCAATGCACAGGTGGC  
GCGTGCGGGTACGGCGACCTGTACGTACAGCCAGGGCTACGGCACGGCGACGAC  
GGCGCTGTTTACGCGGGCAGAGCTGCGGCGCGTTCGAGCTGCGGTGCGCC

GGCGGCGACCGTGGCTCGTGCGCGCCGGGTCCCGGGCGGCTCGTCATCATCCGTCG  
TGGTGACGGCCACCAACCTGTGCCCGCCAACTACGCGCTCCCCAACGACGCCGG  
CGGGTGGTGCAACCCGCCGCTGCGGCACTTCGACCTATCGCAGCCGGCGTTCCTC  
CGCATCGCCACGTACCGCGCGGGCATCGTGCCCGTCGCCTACCGCAGGGTGCCGT  
GCCGGAGGCGGGGCGGCATCCGGTTCACCGTCAACGGCCACCCCTACTTCAACCT  
GGTGCTGGTCGCCAACGTGGGCGGGCGCCGGCGACGTGCGCCTCGACGGCCAGCC  
GCTCTCGTTCAGGGTCACCACCAGCGACCGCCGCTCCGTCTGTCTCTACAACGCC  
GCGCCGGCCGGGTGGGCGTTCGGCCAGACATTCACCGGCGCCCAGTTCCCGTAA