

## IDENTIFICATION

**Species:** *Miscanthus sinensis*

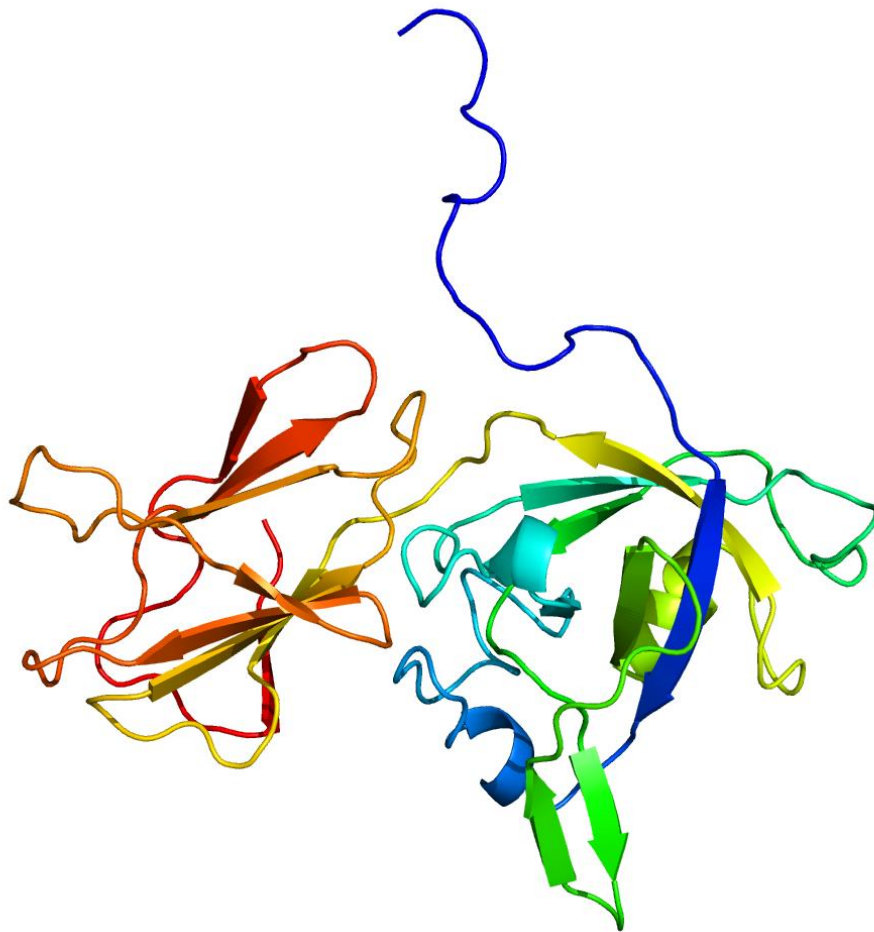
**Locus:** Misin08G270700

**Gene Model:** Misin08G270700.1.p

**Description:** McsEXPA-45

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

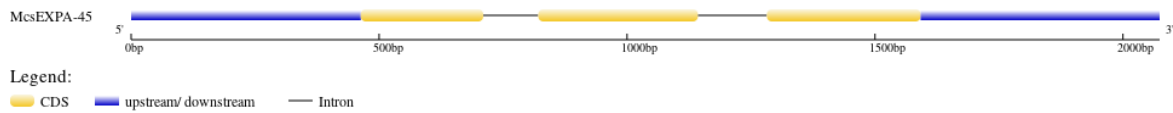
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Msinensis\\_v7\\_1](https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1)

KEGG:-

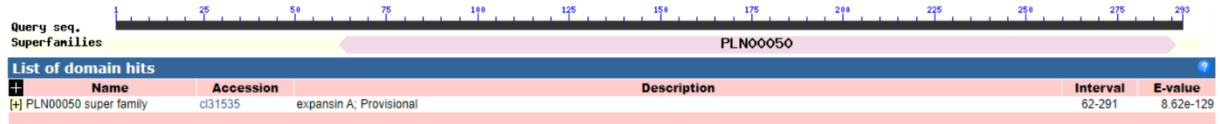
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>McsEXPA-45

MSPRQAVLEAVVLAALFPLAISHGLGLGHGHVVRPHAHGLGLGHHHVQPHPQPQPHG  
HAPLGGGAWSSAHATFYGGGDASGTMGGACGYGNLYSQGYGTNTAALSTALFNNG  
LSCGACFEVRCDAAGGGSHSCLPGSVVVTATNFCPPNNALPSDDGGWCNPPRAHFD  
MSQPVFQRIALYRAGIVPVSYRRVACNKKGGIRFTINGHSYFNLVLTNVGGAGDVH  
AVAVKAERSAGWQVLSRNWQNWQSNLLDGQALSFRVTTSDGRSVVSNNAAAPRG  
WAFGQTFSGAQFN\*

### CDS (coding sequence)

>McsEXPA-45

ATGTCGCCTCGCCAAGCCGTCCTCGAGGCCGTGGTCCTCGCCGCGCTGTTCCCGCT  
CGCCATCTCTCACGGGCTGGGCCTGGGGCACGGGCATGTGCGGCCGCACGCGCAC  
GGGCTGGGGCTTGGCCACCACCACGTCCAGCCGCACCCACAGCCGCAGCCGCAC  
GGGCACGCACCGCTCGGCGGTGGCGCGTGGTCCTCGGCTCACGCCACCTTCTACG  
GCGGCGGCGACGCGTCCGGCACCATGGGCGGGGCGTGTGGGTACGGCAACCTCT  
ACAGCCAGGGGTACGGCACCAACACGGCGGCGCTGAGCACGGCTCTCTTCAACA  
ACGGCCTCAGCTGCGGCGCCTGCTTCGAGGTGCGCTGCGACGCGGCGGGCGGGCG  
GGAGCCACTCGTGCCTGCCGGGCTCCGTCGTGGTGACGGCCACCAACTTCTGCCC  
GCCAACAACGCGCTGCCCTCCGACGACGGCGGCTGGTGCAACCCGCCGCGCGC  
CCACTTCGACATGTTCGACAGCCCGTGTTCAGCGCATCGCGCTCTACAGGGCCGGC  
ATTGTCCCCGTCTCCTACCGCAGGGTTGCGTGCAACAAGAAGGGCGGCATCCGGT  
TCACCATCAACGGCCACTCCTACTTCAACCTGGTGCTGGTAACCAACGTTGGCGG  
CGCCGGCGACGTGCACGCGGTCCGCGTGAAGGCGGAGCGCTCCGCGGGGTGGCA  
GGTGCTGTTCGCGCAACTGGGGCCAGAACTGGCAGAGCAACACGCTCCTGGACGG  
GCAGGCCCTCTCCTTCCGCGTACCACCAGCGACGGCCGCTCCGTGGTCTCCAAC  
AACGCCGCCCCCGCGGCTGGGCCTTCGGCCAGACCTTCAGCGGGGCCAGTTCA  
ACTGA

### Nucleotide

>McsEXPA-45

TCACCACCCCCCGCGCCTCATGTTCAACTTCCAAAGCTGGCACGCCGCACCATCA  
CCGCGACGGTCTTCATCGACCTCTCCTCCTCCGCTCGCTCGGCGCCACCTTTTTC

CCCCGTTCCCTCCCGCCCGCCACGCCTCCCAATGGTTCCCGCCAGAAAACCCGTG  
TCCCTACGCGGTAGCTCAGCTACTTTTCCAGGGCATGCCGAGGCCACGCCACTA  
CGTCCCTCAGGCCGCCGCGCGCCAGCCCCACACCCCGCAACCACCCGTCCATCC  
CCGTCCCGCCCACGCCCTGCGCACCCCGGCACCACGCGCACCCGCGCGGGCGGT  
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CCCCAGCCCCGCCCAACCCAATGTGCGCTCGCCAAGCCGTCTCGAGGCCGTGGT  
CCTCGCCGCGCTGTTCCCGCTCGCCATCTCTCACGGGCTGGGCCTGGGGCACGGG  
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ACCCACAGCCGCAGCCGCACGGGCACGCACCCGCTCGGCCGTTGGCGCGTGGTCT  
CGGCTCACGCCACCTTCTACGGCGGGCGGCACGCGTCCGGCACCATGGGTACGTG  
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AGACACCTGCGACTAAATTTTGCATCTGAACGTGCGTGCCTGCAGGGCGGGG  
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TGAGCACGGCTCTTTCAACAACGGCCTCAGCTGCGGGCGCCTGCTTCGAGGTGCG  
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GAGATGAGATCTGTTTTGTAGTCTGGGTTATCCAAGTGTGGTTGTTATGAACCTTA  
TCAGGTTACTATTATCCTTTTGAACCTGGGTTAAGATTTAATGTGTCTTCTTTAAG  
CTGGAACCTTGATTAATGTGCGTCTTCTTTAAGC