

## IDENTIFICATION

**Species:** *Miscanthus sinensis*

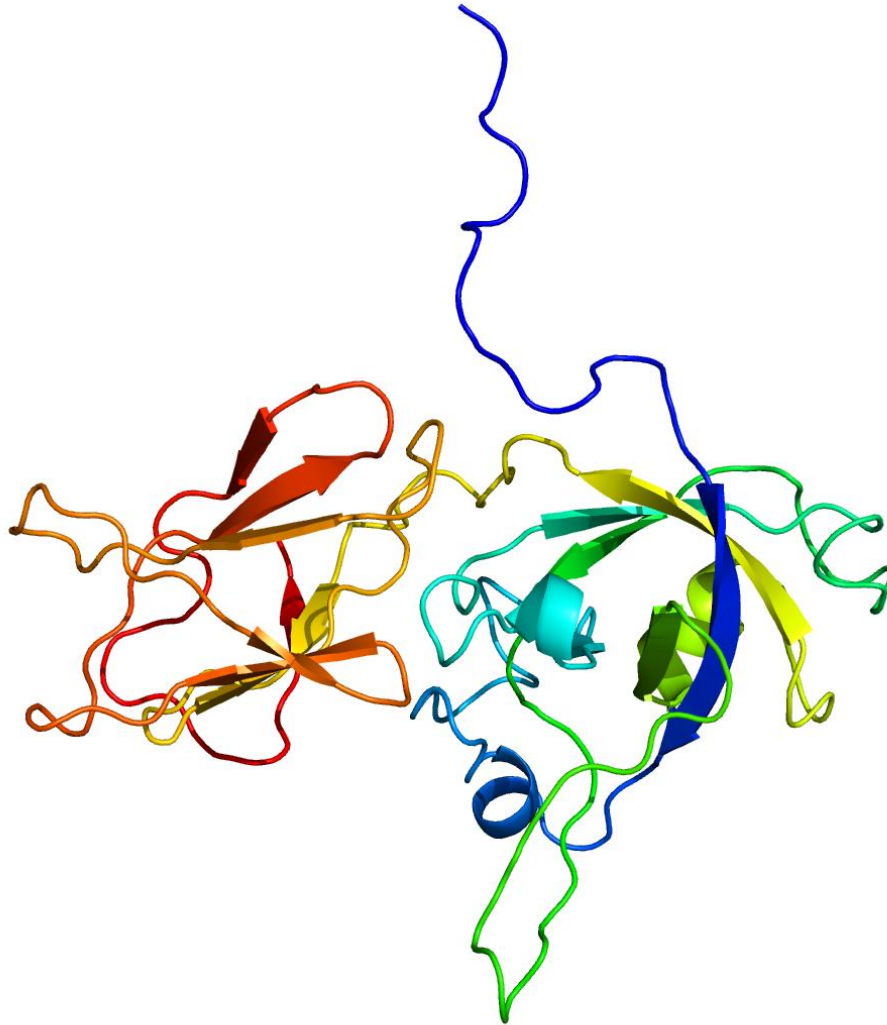
**Locus:** Misin07G481800

**Gene Model:** Misin07G481800.1.p

**Description:** McsEXPA-39

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

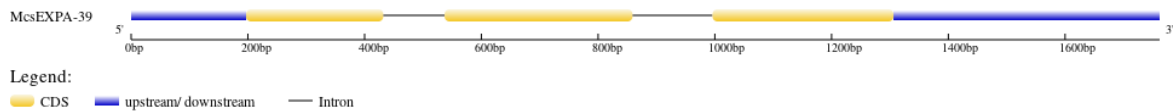
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Msinensis\\_v7\\_1](https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1)

KEGG:-

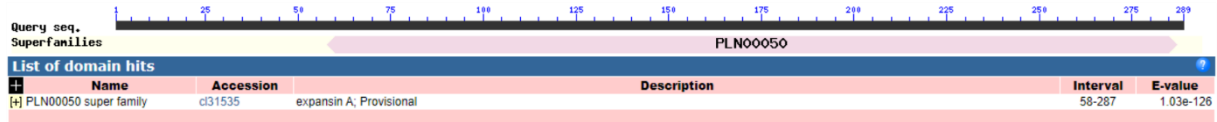
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>McsEXPA-39

MAPRQDVLAADVLAALFPLALSRLGLGLGHGHVRPHAHGLGLGHHHAQPQPHGHAP  
LGGGAWSSAHATFYGGGDASGTMGGACGYGNLYSQGYGTNTAALSTALFNNGLS  
GACFEVRCDAAGGGSHSCLSGSVVVTATNFCPPNNALPSDDGGWCNPPRAHFDMSQ  
PVFQRIALYRAGIVPVSYRRVACNKKGIRFTINGHSYFNLVLVTNVGGAGDVHAVA  
VKAERSAGWQALSRNWGQNWQSNTLLNGQALSFRVTTSDGRSVVSNNAAPRGWAF  
GQTFSGAQFN\*

### CDS (coding sequence)

>McsEXPA-39

ATGGCGCCTCGCCAAGACGTCCTCGCGGCCGTGGTCCTCGCCGCGCTGTTCCCGC  
TCGCCCTCTCTCGCGGGCTGGGCTGGGCCACGGGCATGTGCGGCCGCACGCGCA  
CGGGCTGGGGCTTGGCCACCACCACGCCAGCCGCAGCCGCACGGGCACGCACC  
TCTCGGAGGTGGCGCGTGGTCCTCGGCTCACGCCACCTTCTACGGCGGCGGGC  
GCGTCCGGCACCATGGGCGGCGCGTGTGGATACGGCAACCTCTACAGCCAGGGG  
TACGGCACCAACACGGCGGCGCTGAGCACGGCGCTTCAACAACGGCCTCAGCT  
GCGGCGCCTGCTTCGAGGTGCGCTGCGACGCGGCGGGCGGCGGGAGCCACTCGT  
GCCTGTCCGGCTCCGTCGTGGTGACGGCCACCAACTTCTGCCCGCCCAACAACGC  
GCTCCCCTCCGACGACGGCGGCTGGTGCAACCCGCGGAGCCACTTCGACATG  
TCGACGCCCGTGTTCAGCGCATCGCGCTCTACAGGGCCGGCATTGTCCCGTTTC  
CTACCGCAGGGTTGCGTGCAACAAGAAGGGCGGCATCCGGTTCACCATCAACGG  
CCACTCCTACTTCAACCTGGTGCTGGTGACCAACGTGGGCGGCGCCGGCGATGTG  
CACGCGGTCCCGTGAAGGCCGAGCGCTCCGCGGGGTGGCAGGCGCTGTCGCGC  
AACTGGGGCCAGAACTGGCAGAGCAACACGCTCCTCAACGGGCAGGCGCTCTCA  
TTCCGCGTCACCACCAGCGACGGCCGCTCCGTGGTCTCCAACAACGCCGCCCCC  
GCGGCTGGGCCTTCGGCCAGACCTTCAGCGGGGCCAGTTCAACTGA

### Nucleotide

>McsEXPA-39

CGTCCCGCCACGCCCTGCGCGCCCCGGCACCAGGCGCACTGCGCGCGGCGGTCT  
GAAACCCTTCCGCCGCTCCCCCTCTATTTATCCACCGCACAGCCACCCACACC  
ACCACACTTCACTTCACTTCACTCCCTAGCCACTCGCCACTCCTGCGCCGCGCCG

CACCGCCGTCCCCAACCCGCCCAACCCAATGGCGCCTCGCCAAGACGTCCTCG  
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CGGCGGGCGGGCGGGAGCCACTCGTGCCGTGCCGGCTCCGTTCGTGGTGACGGCCAC  
CAACTTCTGCCCCGCCAACAACGCGCTCCCCTCCGACGACGGCGGGCTGGTGCAAC  
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AACCTTATCAAGTACTATTATCCTTTTGAACGGGGTGTGCTTTAAGTTAAGC