

## IDENTIFICATION

**Species:** *Miscanthus sinensis*

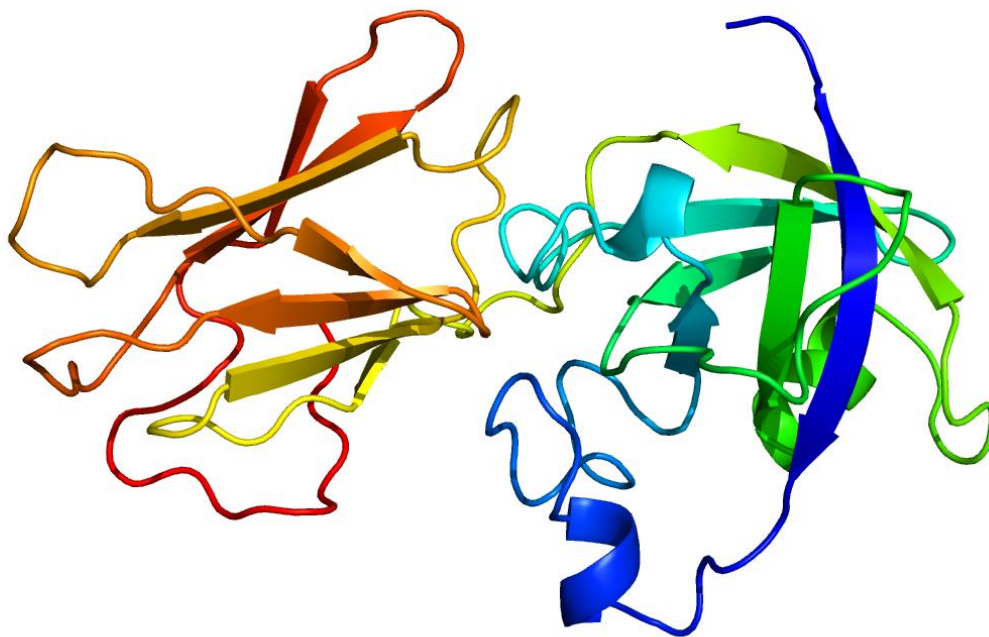
**Locus:** Misin04G147500

**Gene Model:** Misin04G147500.1.p

**Description:** McsEXPA-24

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

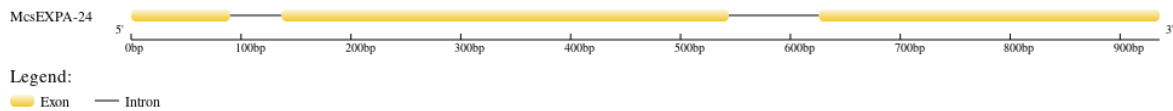
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Msinensis\\_v7\\_1](https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1)

KEGG:-

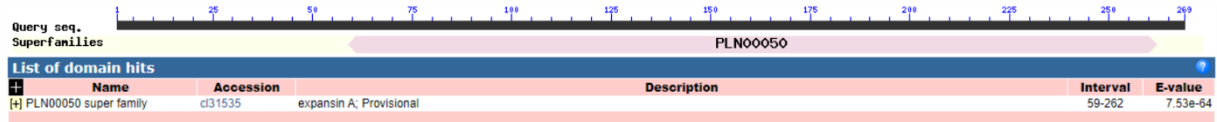
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>McsEXPA-24

MQSDLDALAGKLDLNLSPQGLLSSCQDWCAVVEEEEEEDDDGASKKKPHVNHGKFK  
ADPWTGDGHATFYGGRDGS GTDGGACGYK GELGKDYGALTA AVGPSLYSNGAECG  
ACYELKGT KGT VVV TATNQAPPVSGQKGEHFDLTMPAFLKIAEEKAGIVPITYRKV  
TCVRQGGI QYTITGNPHYNMVMVTNVGGAGDVVGLSVKGNKHVKWTPMKRSWGQ  
LWTTEVDLTGESLMFRVMTGDHRKATSWHVPRDWKFDKTYQATKNF\*

### CDS (coding sequence)

>McsEXPA-24

ATGCAGAGCGACCTCGACGCGCTGGCCGGGAAGCTGGACCTCAACCTCAGCCCTC  
AGGGACTGCTCTCTTCTTGTCAAGACTGGTGTGCTGTGGTGGAGGAGGAGGAGGA  
GGACGACGACGGAGCCAGCAAGAAGAAGCCCCACGTTAACCACGGCAAGTTCAA  
GGCGGACCCGTGGACGGACGGGCACGCGACGTTCTACGGCGGGCGCGACGGGTC  
CGGCACCACGGACGGCGGCGCGTGC GGGTACAAGGGCGAGCTGGGAAAAGACTA  
CGGTGCGCTGACGGCGGCCGTGGGCCCGTCACTGTACAGCAACGGGGCCGAGTG  
CGGCGCGTGCTACGAGCTCAAGGGCACCAAGGGCACCGTGGTGGTGACGGCCAC  
CAACCAGGCCCGCCGCGGTGAGCGGGCAGAAGGGCGAGCACTTCGACCTCAC  
CATGCCGGCGTTCCTCAAGATCGCCGAGGAGAAGGCCGGCATCGTGCCATCACC  
TACCGCAAGGTGACGTGCGTGAGGCAAGGCCGGCATCCAGTACACGATCACGGGG  
AACCCGCACTACAACATGGTGATGGTGACGAACGTCGGCGGCGCCGGGGACGTG  
GTGGGGCTGTCGGTGAAGGGCAACAAGCACGTCAAGTGGACGCCGATGAAGCGC  
AGCTGGGGCCAGCTCTGGACAACGGAGGTCGACCTCACCGGCGAGTCACTGATG  
TTCCGCGTCATGACTGGCGACCACCGCAAGGCCACCTCCTGGCACGTCGTGCCCC  
GCGACTGGAAGTTCGACAAGACGTACCAGGCCACCAAGA ACTTCTAG

### Nucleotide

>McsEXPA-24

ATGCAGAGCGACCTCGACGCGCTGGCCGGGAAGCTGGACCTCAACCTCAGCCCTC  
AGGGACTGCTCTCTTCTTGTCAAGACTGGTGTGCTGTCTGACGCGACGGGGGCTC  
GCGTCGTCGTCGGCCGCGGGCGCCAAGGTGGTGGAGGAGGAGGAGGAGGACGAC  
GACGGAGCCAGCAAGAAGAAGCCCCACGTTAACCACGGCAAGTTCAAGGCGGAC  
CCGTGGACGGACGGGCACGCGACGTTCTACGGCGGGCGCGACGGGTCCGGCACC

ACGGACGGCGGGCGCGTGCGGGTACAAGGGCGAGCTGGGAAAAGACTACGGTGCG  
CTGACGGCGGGCCGTGGGCCCCTCACTGTACAGCAACGGGGCCGAGTGCGGGCGCG  
TGCTACGAGCTCAAGGGCACCAAGGGCACCGTGGTGGTGACGGCCACCAACCAG  
GCCCCGCCGCCGGTGAGCGGGCAGAAGGGCGAGCACTTCGACCTCACCATGCCG  
GCGTTCCTCAAGATCGCCGAGGAGAAGGCCGGCATCGTGCCCATCACCTACCGCA  
AGTACGTAGTAGTAGTGCAGCACTTCCGTATGCATGCGCATCATCTACCGATCTA  
CGTACAAACAATTGACACGCATATGCAGGGTGACGTGCGTGAGGCAAGGCGGCA  
TCCAGTACACGATCACGGGGAACCCGCACTACAACATGGTGATGGTGACGAACG  
TCGGCGGGCGCCGGGGACGTGGTGGGGCTGTCGGTGAAGGGCAACAAGCACGTCA  
AGTGGACGCCGATGAAGCGCAGCTGGGGCCAGCTCTGGACAACGGAGGTGCGACC  
TCACCGGCGAGTCACTGATGTTCCGCGTCATGACTGGCGACCACCGCAAGGCCAC  
CTCCTGGCACGTCGTGCCCCGCGACTGGAAGTTCGACAAGACGTACCAGGCCACC  
AAGAACTTCTAG