

## IDENTIFICATION

**Species:** *Miscanthus sinensis*

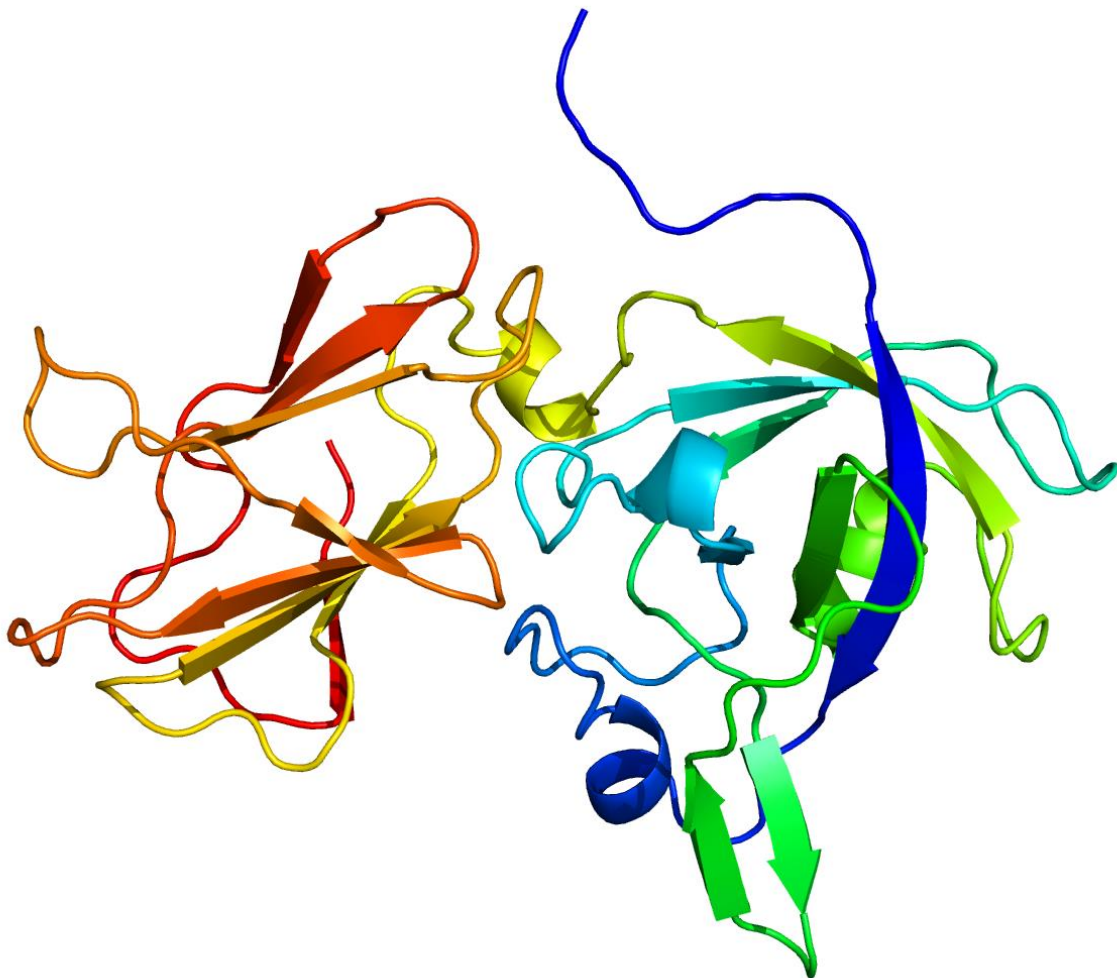
**Locus:** Misin16G046000

**Gene Model:** Misin16G046000.1.p

**Description:** McsEXPA-54

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

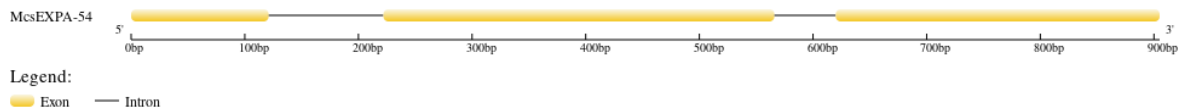
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Msinensis\\_v7\\_1](https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1)

KEGG:-

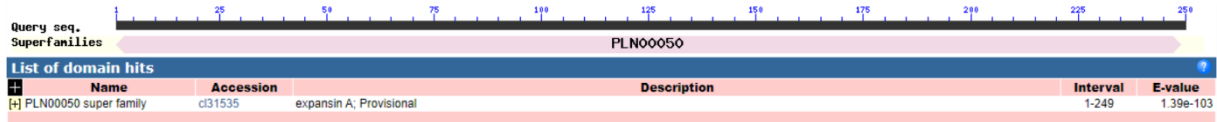
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>McsEXPA-54

MGSLGLLVLAIAATLELTRADSWNGGRATFYGSGDASGTMGGACGYGNLYGKNTA  
ALSTALFNNGQSCGACFEIRCTGSGSCLSGSAIVTSTNFCPPNYALPNNNGWCNPPQ  
PHFDLAEPVFTQIARAVAGVVPVQYRRYIRD TNQLLKVGGPCGRIRFTINGHSYFVLV  
LITNVGGAGDLTAVSVKGS GTGWQTMSHNWGANWQNGALLD GQALS FQVTASDG  
RTV TSENAAPVGWSYGQTYTGKQF\*

### CDS (coding sequence)

>McsEXPA-54

ATGGGGTCTCTTAGGCTTGCTGGTTCTAGCGATCGCCGCCACGCTGGAGCTCACCA  
GAGCCGACTCCTGGAACGGCGGCCGCGCCACGTTCTACGGCAGCGGTGACGCCTC  
TGGCACTATGGGTGGAGCGTGTGGGTATGGCAACTTGTACGGGAAGAACACCGC  
GGCGCTGAGCACCGCGCTGTTCAACAATGGGCAGAGCTGCGGGCGCGTGCTTTGAG  
ATCCGGTGC ACTGGCAGTGGCAGCTGCCTGTCTGGTTCCGCCATTGTGACGTCCA  
CCAACTTCTGCCCGCCCAACTATGCGCTCCCCAACAACAATGGTGGGTGGTGCAA  
CCCGCCGAGCCGCACTTCGACCTCGCCGAGCCGGTCTTCACCCAGATCGCCCGT  
GCCGTTGCCGGCGTTCGTGCCTGTCCAGTACAGGAGGTACATACGTGACACCAACC  
AGCTGCTCAAAGTTGGAGGCCCGTGC GGTCGCATCCGGTTCACCATCAACGGCCA  
CTCCTACTTCGTCCTGGTGCTCATCAAATGTGGGCGGGCGCTGGCGACTTGACG  
GCGGTATCGGTGAAGGGCTCGGGGACGGGCTGGCAGACCATGAGCCACA ACTGG  
GGCGCCAACTGGCAGAACGGCGCCCTGCTCGACGGCCAGGCACTGTCGTTCCAG  
GTCACCGCCAGCGATGGCCGCACCGTCACCTCCGAGAACGCCGCACCACTCGGCT  
GGAGCTACGGCCAGACCTACACCGGCAAACAGTTCTAA

### Nucleotide

>McsEXPA-54

ATGGGGTCTCTTAGGCTTGCTGGTTCTAGCGATCGCCGCCACGCTGGAGCTCACCA  
GAGCCGACTCCTGGAACGGCGGCCGCGCCACGTTCTACGGCAGCGGTGACGCCTC  
TGGCACTATGGGTGAGCATCTATCTATA CATTGAGCAGTTGAAGATATCGATGGC  
TCGTTAGCTATTGGTTGCATCACACATGACAGGTTGATCTTTGTGTCTGACATGCA  
GGTGGAGCGTGTGGGTATGGCAACTTGTACGGGAAGAACACCGCGGGCGCTGAGC  
ACCGCGCTGTTCAACAATGGGCAGAGCTGCGGGCGCGTGCTTTGAGATCCGGTGCA

CTGGCAGTGGCAGCTGCCTGTCTGGTTCGCCATTGTGACGTCCACCAACTTCTGC  
CCGCCCAACTATGCGCTCCCCAACAACAATGGTGGGTGGTGCAACCCGCCGCAGC  
CGCACTTCGACCTCGCCGAGCCGGTCTTCACCCAGATCGCCCGTGCCGTTGCCGG  
CGTCGTGCCTGTCCAGTACAGGAGGTACATACGTGACACCAACCAGCTGCTCAAA  
GTTGGAGGCCCGTGCGTATGTTACACACGCCTGATCGATGCCTATGCGATGTTAAT  
TTGTGCTTGTGCAGGGTCGCATCCGGTTCACCATCAACGGCCACTCCTACTTCGTC  
CTGGTGCTCATCACAAATGTGGGCGGCGCTGGCGACTTGACGGCGGTATCGGTGA  
AGGGCTCGGGGACGGGCTGGCAGACCATGAGCCACAACCTGGGGCGCCAACCTGGC  
AGAACGGCGCCCTGCTCGACGGCCAGGCACTGTCGTTCCAGGTCACCGCCAGCGA  
TGGCCGCACCGTCACCTCCGAGAACGCCGCACCAGTCGGCTGGAGCTACGGCCA  
GACCTACACCGGCAAACAGTTCTAA