

## IDENTIFICATION

**Species:** *Miscanthus sinensis*

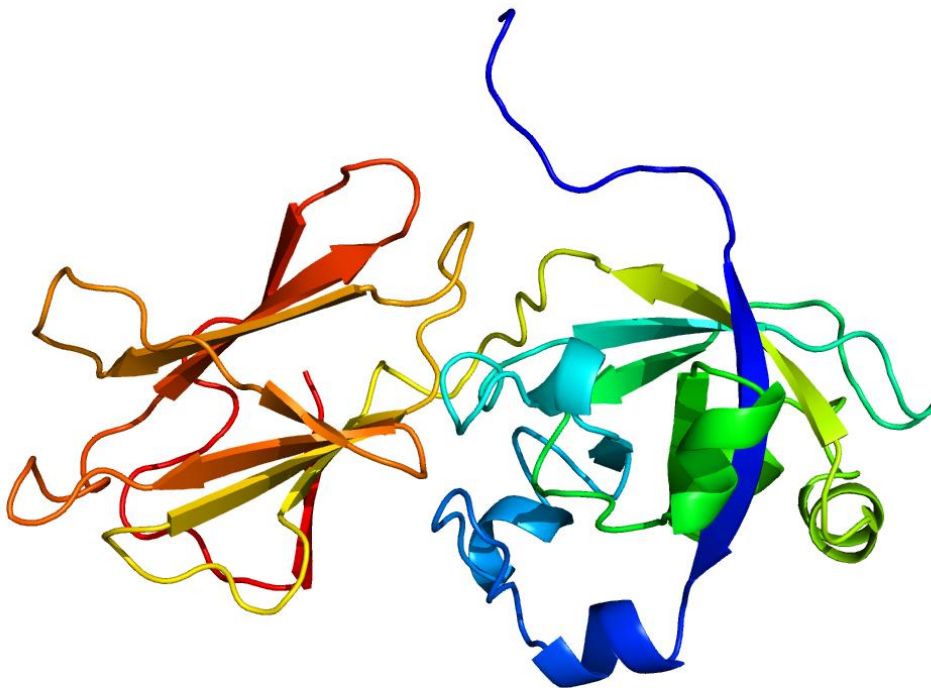
**Locus:** Misin12G182900

**Gene Model:** Misin12G182900.1.p

**Description:** McsEXPB-52

**Family:** Beta Expansin

**3D structure:**



## GENOME DATABASES

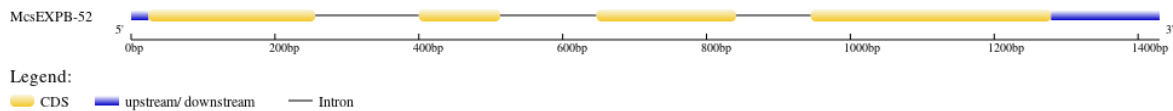
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Msinensis\\_v7\\_1](https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1)

KEGG:-

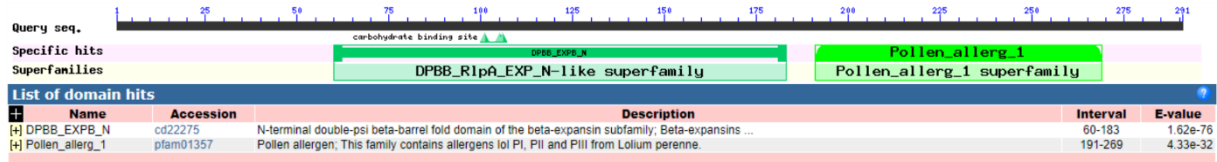
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>McsEXPB-52

MASPSTFRFAVVAVLSTLSLLASPTSGYENHPEPMVRDSRQNDTNRRLWASSSARG  
YGWSSGGATWYGSPNGAGSDGGACGYQGDVSRPFSMIAAGGPSLFKNGKGC  
CYQIRCTGNRACSGRPVTVTITDSCPGGACLAESAHFDMSTAFGAMANS  
GMADRLRSAGILKIYKRVPCNYNGRTVNFKVDAGSNPYLAVLIEYVAGD  
GNLSAVDIMQAGCNSWTPMQQSWGAVWRVNSNTGQPLSAPFSVRITSGSGK  
VLVARNAIPAGWTAGRTYRSVAVNFGY\*

### CDS (coding sequence)

>McsEXPB-52

ATGGCTAGTCCGAGCACATTCCGATTTGCCGTAGTGGCCGTGCTGTCGACCCTAT  
CGCTTCTTGCAAGCCCTACCTCCGGCTACGAGAACCATCCCAGCCCATGGTCAG  
GGACTCGCGGCAGAACGACACCAACAGGAGGTACCTGTGGGCGTCGTCGTCGGC  
GCGAGGCTACGGCTGGTCCTCCGGCGGGCGGACGTGGTACGGGAGCCCTAACGG  
CGCCGGCAGCGACGGTGGTGCTTGTGGTTACCAAGGTGACGTCAGCCAGCGCCCA  
TTCAAGTCGATGATCGCGGCCGGCCCTTCCCTCTTCAAGAACGGCAAAGGAT  
GCGGCGCATGCTACCAAATTAGGTGCACGGGCAACAGAGCCTGCTCCGGCCGGC  
CGGTGACCGTCACCATCACCGACTCATGCCCGGGCGGTGCCTGCCTCGCCGAGTC  
GGCGCACTTTGACATGAGCGGCACGGCCTTCGGCGCCATGGCCAACAGCGGCAT  
GGCTGACCGCCTCCGCTCCGCCGAATCCTCAAGATCCAATACAAGAGGGTGCC  
TGCAACTACAACGGCAGGACCGTCAACTTCAAGGTGGACGCGGGGTCCAACCCG  
TACTACCTCGCCGTGCTGATCGAGTACGTGGCCGGCGACGGCAACCTCTCCGCGG  
TGGACATCATGCAAGCCGGCTGCAACTCGTGGACGCCGATGCAGCAGTCGTGGG  
GCGCCGTGTGGCGGGTCAACTCGAACACCGGCCAGCCGCTCAGCGCTCCCTTCTC  
GGTCCGCATCACCTCGGGCTCCGGCAAGGTCTCGTCGCCAGGAACGCCATCCCC  
GCCGGGTGGACCGCCGGGAGGACCTACCGGTCCGCGGTGAACTTCGGCTACTGA

### Nucleotide

>McsEXPB-52

ATCATCACAAACAGGAGACGATCAATGGCTAGTCCGAGCACATTCCGATTTGCCG  
TAGTGGCCGTGCTGTCGACCCTATCGCTTCTTGCAAGCCCTACCTCCGGCTACGAG

AACCATCCCGAGCCCATGGTCAGGGACTCGCGGCAGAACGACACCAACAGGAGG  
TACCTGTGGGCGTCGTCGTCGGGCGGAGGCTACGGCTGGTCCCTCCGGCGGCGCGA  
CGTGGTACGGGAGCCCTAACGGCGCCGGCAGCGACGGTACGTAACAGCACCTGC  
TCTGACCAATGCGGATGAAACTTTAGTTATTAGTGGAAAACAAATTGACCTTTTC  
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GCGGCGCATGCTACCAAGTCAGTATATATACACGTATACGTTGACCGTTACAGCT  
AGTAGTTTCGATATTCCCGTGAGAGGTGCCACGCACGTTGTAACATAACTCGAGCT  
GTCCATCTACTAACTCCGGTGTACGTACGAGGACTCTGCAGATTAGGTGCACGGG  
CAACAGAGCCTGCTCCGGCCGGCCGGTGACCGTCACCATCACCGACTCATGCCCC  
GGCGGTGCCTGCCTCGCCGAGTCGGCGCACTTTGACATGAGCGGCACGGCCTTCG  
GCGCCATGGCCAACAGCGGCATGGCTGACCGCCTCCGCTCCGCCGGAATCCTCAA  
GATCCAATAACAAGAGGTGGTTGCTGATAATAATTCTTAGCCCAGTTAACCATGTC  
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