

## IDENTIFICATION

**Species:** *Miscanthus sinensis*

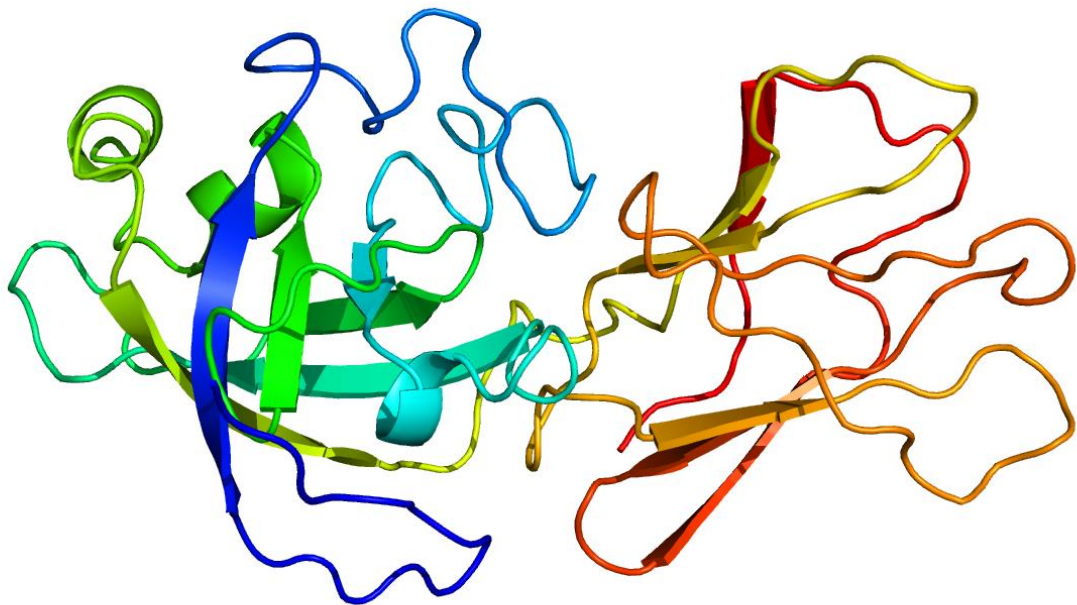
**Locus:** Misin01G289700

**Gene Model:** Misin01G289700.1.p

**Description:** McsEXPB-11

**Family:** Beta Expansin

**3D structure:**



## GENOME DATABASES

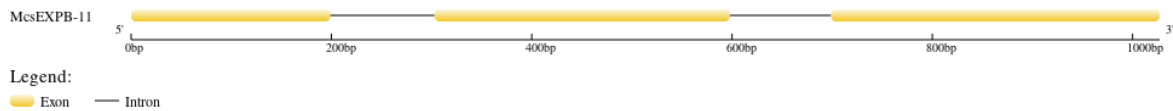
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Msinensis\\_v7\\_1](https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1)

KEGG:-

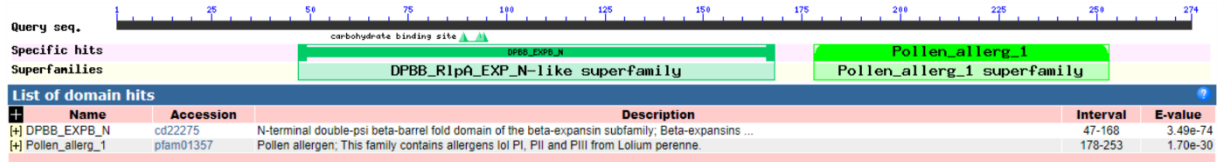
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>McsEXPB-11

MGSLQPNAV VVAVAVAA VVLAALVAGVSCWTNGVPPGNITADYGKWLA AKATW  
YGSPVGAGPVDNNGGACGFEDVNLPPYSGMTSCGNSPIFKDGGKGC GSCYQIRCTAPHE  
CSDQPVAVFITDVNDYPLAPYHFDLSGTAFGSMAKPLADKLRHRGIIDLEFRRVRCK  
YAPGKNIVFHVEHGSNPSYLSLLVKFVAGDGDIVQMDL KREASPEWEPMHHSWGAV  
WRIIDPHRPLKGPFSIRLTSESGKELVASDVIPEDWKPDTVYQSNIQF\*

### CDS (coding sequence)

>McsEXPB-11

ATGGGATCCCTGCAGCCCAATGCTGTCGTAGTTGCAGTTGCAGTGGCCGCCGTAG  
TCCTGGCGGCGCTCGTCGCCGGCGTGTCTGCTGGACCAACGGCGTGCCGCCGGG  
CCCCAACATCACGGCCGACTACGGCAAGTGGCTCGCCGCAAAGCCACCTGGTA  
CGGCAGTCCCCTCGGCGCCGGCCCCGTCGACAACGGCGGCGCGTGC GGGTTTCGA  
GGACGTGAACCTGCCGCCCTACAGCGGCATGACGTCCTGCGGCAACTCCCCC  
ATC  
TTCAAGGACGGCAAGGGCTGCGGCTCCTGCTACCAGATCAGATGCACGGCGCCA  
CACGAGTGCTCCGACCAGCCCGTGGCGGTGTTTCATAACCGACGTGAACGACTACC  
CCCTCGCTCCCTACCACTTCGACCTCAGCGGCACGGCGTTCGGCTCCATGGCCAA  
GCCCGGCCTCGCCGACAAGCTCCGCCACCGTGGCATCATCGACCTCGAGTTCAGG  
AGGGTGCGGTGCAAGTACGCGCCCGGCAAGAACATCGTGTTCCACGTGGAGCAC  
GGGTCCAATCCCTCCTACCTATCGCTGCTGGTCAAGTTCGTGGCGGGCGACGGCG  
ACATCGTGCAGATGGACCTCAAGCGGGAGGCGTCGCCGGAGTGGGAGCCGATGC  
ACCACTCGTGGGGCGCCGTCTGGAGGATAATAGACCCGCACAGGCCACTCAAGG  
GCCCTTCTCCATCCGCCTCACCAGCGAGTCCGGCAAGGAGCTCGTCGCCAGCGA  
CGTCATCCCGGAGGACTGGAAGCCCGACACCGTCTACCAGTCCAACATCCAGTTC  
TAG

### Nucleotide

>McsEXPB-11

ATGGGATCCCTGCAGCCCAATGCTGTCGTAGTTGCAGTTGCAGTGGCCGCCGTAG  
TCCTGGCGGCGCTCGTCGCCGGCGTGTCTGCTGGACCAACGGCGTGCCGCCGGG

CCCCAACATCACGGCCGACTACGGCAAGTGGCTCGCCGCAAAGCCACCTGGTA  
CGGCAGTCCCGTCGGCGCCGGCCCCGTCGACAACGGTACGTACGCGAGATTCTGA  
ATTCGACCCGTGCCATGCATGATCTCGATCGATCCACCTGACGACACGTTCGTCGT  
CCTGCATGCGTTTTCTCGATCACTTGTGTCAGGCGGCGCGTGCAGGTTTCGAGGACGTG  
AACCTGCCGCCCTACAGCGGCATGACGTCCTGCGGCAACTCCCCATCTTCAAGG  
ACGGCAAGGGCTGCGGCTCCTGCTACCAGATCAGATGCACGGCGCCACACGAGT  
GCTCCGACCAGCCCGTGGCGGTGTTTCATAACCGACGTGAACGACTACCCCCTCGC  
TCCCTACCACTTCGACCTCAGCGGCACGGCGTTCGGCTCCATGGCCAAGCCCGGC  
CTCGCCGACAAGCTCCGCCACCGTGGCATCATCGACCTCGAGTTCAGGAGGTCGA  
ACGATGATTTCAAATAAAAAACTCCTTCATCATCATCGTGTATATATAAATGC  
AGCAGAAATAACATGACTGACGGACTGGCTACTGCATGCAGGGTGCAGTGCAGG  
TACGCGCCCGGCAAGAACATCGTGTTCACGTGGAGCACGGGTCCAATCCCTCCT  
ACCTATCGCTGCTGGTCAAGTTCGTGGCGGGCGACGGCGACATCGTGCAGATGGA  
CCTCAAGCGGGAGGCGTCGCCGGAGTGGGAGCCGATGCACCACTCGTGGGGCGC  
CGTCTGGAGGATAATAGACCCGCACAGGCCACTCAAGGGGCCCTTCTCCATCCGC  
CTCACCAGCGAGTCCGGCAAGGAGCTCGTCGCCAGCGACGTCATCCCGGAGGAC  
TGGAAGCCCGACACCGTCTACCAGTCCAACATCCAGTTCTAG