

## IDENTIFICATION

**Species:** *Miscanthus sinensis*

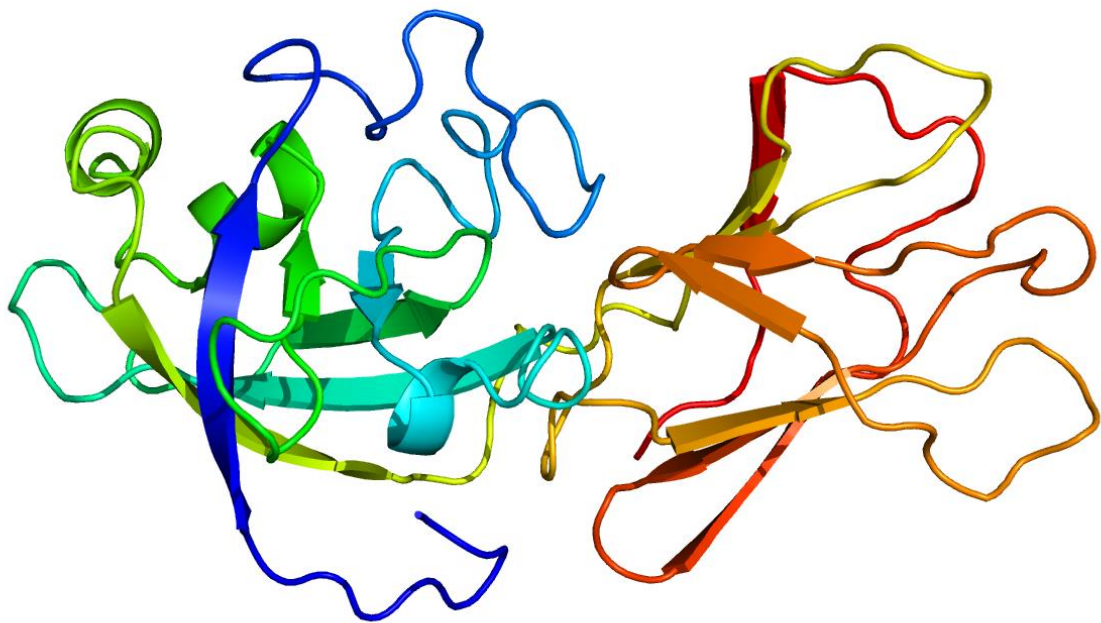
**Locus:** MisinT067800

**Gene Model:** MisinT067800.1.p

**Description:** McsEXPB-56

**Family:** Beta Expansin

**3D structure:**



## GENOME DATABASES

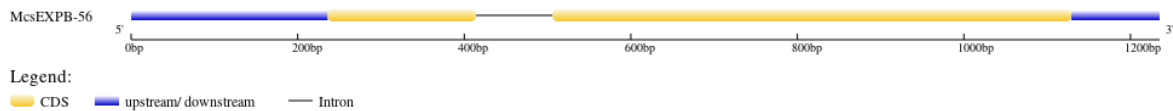
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Msinensis\\_v7\\_1](https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1)

KEGG:-

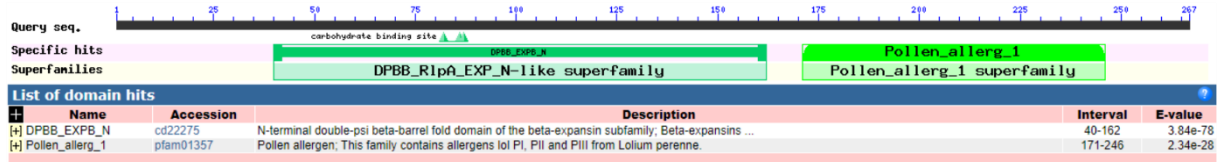
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>McsEXPB-56

MVSLSLSLLLVAAAASVSLLLACCAAAAGVNYNTSDAAAMKWGNARATWYGQPNGA  
GPYDNGGACGFKNVNQYPFMAMTSCGNQPLYRDGKGCSCYKIRCSKHAACSGRT  
ETVVITDMNYTPGVAPYHFDLSGTAFGKLAKPGGNDELRRAGIIDIQFARVPCEFPGL  
KVGHFVEEGSSQVYFAVLVEYENGDDVVQVDLMEKGSRRWTPMRESWGSIWRLD  
SNHRLQPPFSIRTRSDSGKTLVARDVIPANWRPNIFYRSIVQYS\*

### CDS (coding sequence)

>McsEXPB-56

ATGGTGTCCCTGTCGCTCTCCCTGCTTGTGGCGGCTGCCGCCGCTCTCCCTCCTGCT  
GGCCTGTTGCGCCGCCGCCGCCGGCGTGAAC TACAACACGAGCGATGCCGCCGCC  
ATGAAGTGGGGCAACGCCAGGGCCACCTGGTACGGCCAGCCCAACGGTGCCGGG  
CCCTACGACAACGGCGGCGCTTGC GGGTTCAAGAACGTGAACCAGTACCCGTTCA  
TGGCCATGACCTCGTGC GGGCAACCAGCCGCTGTACCGCGACGGCAAGGGCTGCG  
GCTCCTGCTACAAGATCAGGTGCTCCAAGCACGCCGCTGCTCGGGCCGCACCGA  
GACGGTGGTGATCACCGACATGAACTACACCCCGGGCGTGGCGCCCTACCACTTC  
GACCTCAGCGGCACCGCCTTCGGCAAGCTGGCCAAGCCCGGCGGCAACGACGAG  
CTCCGCCGCGCCGGC ATCATCGACATCCAGTTCGCCAGGGTGCCCTGCGAGTTCC  
CGGGGCTCAAGGTCGGCTTCCACGTGGAGGAGGGGTCCAGCCAGGTCTACTTCGC  
GGTGTGGTGGAGTACGAGAACGGCGACGGCGACGTGGTGCAGGTGGACCTCAT  
GGAGAAGGGCAGCCGGCGCTGGACGCCATGCGCGAGTCCTGGGGATCCATCTG  
GCGCCTCGACTCCAACCACCGCCTGCAGCCGCCCTTCTCCATCCGCACCCGCAGC  
GACTCCGGCAAGACGCTGGTGGCACGCGACGTCATCCAGCCA ACTGGAGGCCA  
AACATATTCTACAGATCAATCGTCCAGTACTCGTGA

### Nucleotide

>McsEXPB-56

AGCTAGCATGCATTTGCTCGCATTATATATTGTCTACCTCGAGTCCTTGCGTTCCT  
TCCTACGGTAAGAGTAAGACTACGGCTAGTACTCCTACCTCAGAACAGTGACAGTG  
CAGACAGGTTTCCATCCTTCGTCCCCCTCTCTCATCTCATCTCTTGCAGTTA

GTTGTAGTAGTATTTGGAGCAGAGCATCAGAGCAAAGCAAAGAAAGGCGGCCGG  
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CTGCTACAAGATCAGGTGCTCCAAGCACGCCGCCTGCTCGGGCCGCACCGAGACG  
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GCCGCGCCGGCATCATCGACATCCAGTTCGCCAGGGTGCCCTGCGAGTTCCCGGG  
GCTCAAGGTCGGCTTCCACGTGGAGGAGGGGTCCAGCCAGGTCTACTTCGCGGTG  
CTGGTGGAGTACGAGAACGGCGACGGCGACGTGGTGCAGGTGGACCTCATGGAG  
AAGGGCAGCCGGCGCTGGACGCCCATGCGCGAGTCCTGGGGATCCATCTGGCGC  
CTCGACTCCAACCACCGCCTGCAGCCGCCCTTCTCCATCCGCACCCGCAGCGACT  
CCGGCAAGACGCTGGTGGCACGCGACGTCATCCCAGCCAACTGGAGGCCAAACA  
TATTCTACAGATCAATCGTCCAGTACTCGTGAATGAATGAATTCCTTTATTTGCTG  
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GCTAATCTAATAATACTAATTATTAAG