

## IDENTIFICATION

**Species:** *Miscanthus sinensis*

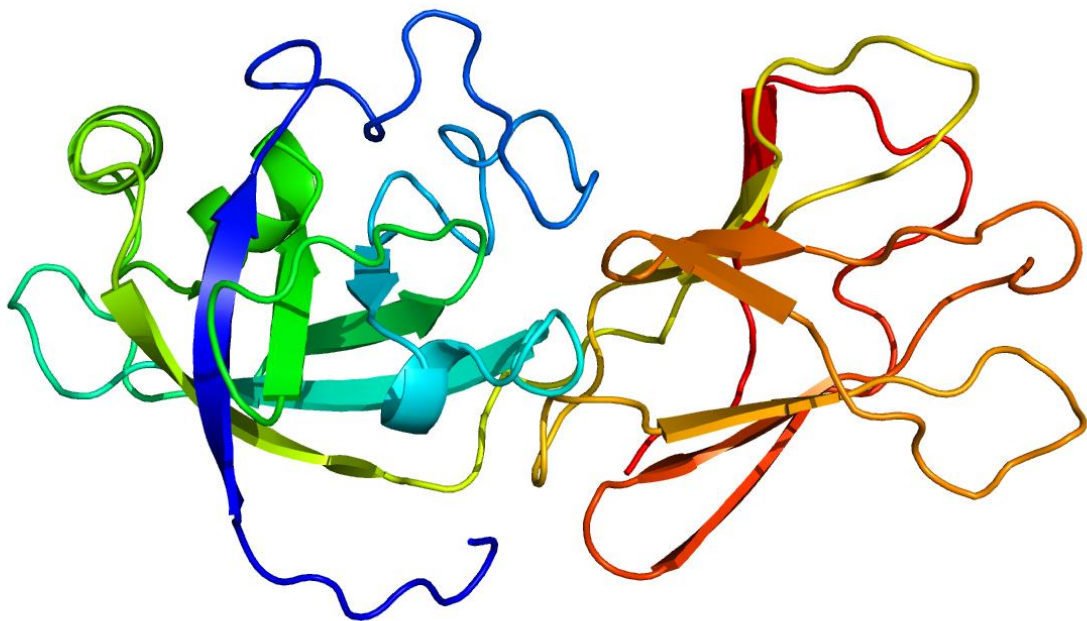
**Locus:** Misin02G273500

**Gene Model:** Misin02G273500.1.p

**Description:** McsEXPB-21

**Family:** Beta Expansin

**3D structure:**



## GENOME DATABASES

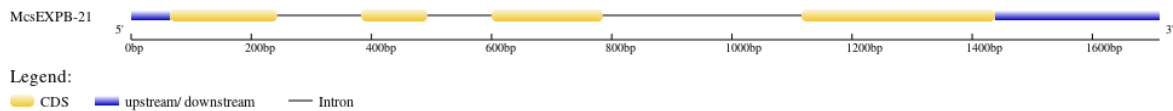
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Msinensis\\_v7\\_1](https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1)

KEGG:-

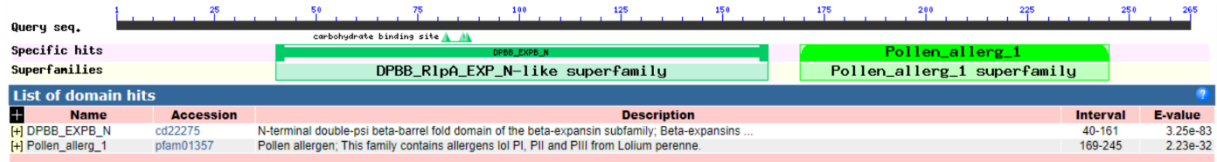
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>McsEXPB-21

MMATLPSTVVALLFLLLATCGSCARPVSFNASDFTTDPNWEAARATWYGAPTGAGP  
DDDGGACGFKNVNLAPFSAMTSCGNEPLFKDGGKGCSCYQIRCTNNDACSGNPETVI  
ITDMNYYYPVAKYHFDLSGTAFGAMAKPGRNDELRHAGIIDIQFKRVPCNFPQGKVTF  
HVEEGSNPVYFAVLVEFEDGDGDVVQVDLMEANSWSWTPMRESWGSIWRLDSGHR  
LTAPFSLRITNESGKTLVANQVIPANWVPNTYYRSIVQY\*

### CDS (coding sequence)

>McsEXPB-21

ATGATGGCCACCTTGCCCTCCACAGTAGTTGCGCTTCTCTTCTTGCTCCTTGCAAC  
GTGTGGCTCATGCGCGAGACCGGTGAGCTTTAACGCCTCCGACTTCACCACCGAT  
CCCAACTGGGAGGCTGCCAGGGCCACCTGGTACGGTGCGCCCACCGGCGCCGGC  
CCTGATGACGACGGTGGCGCCTGTGGATTCAAGAACGTGAACCTGGCGCCGTTCT  
CGGCAATGACATCGTGCGGCAACGAGCCCCTGTTCAAGGACGGCAAGGGCTGCG  
GCTCCTGCTACCAGATACGATGCACAAACAACGATGCCTGCTCGGGCAACCCAGA  
GACGGTGATCATCACTGACATGAACTACTACCCCGTGGCCAAGTACCCTTCGAC  
CTCAGCGGCACGGCGTTCGGCGCCATGGCCAAGCCCGGCCGCAACGACGAGCTC  
CGCCACGCCGGCATCATCGACATCCAGTTCAAGAGGGTGCCCTGCAACTTCCCCG  
GGCAGAAGGTGACTTTCCACGTCGAGGAGGGCTCCAACCCCGTCTACTTCGCGGT  
GCTCGTCGAGTTCGAAGACGGCGACGGCGACGTGGTGCAGGTGGACCTCATGGA  
GGCCAACTCCGGGTTCGTGGACGCCGATGCGCGAGTCCTGGGGATCCATCTGGAG  
GCTGGACTCCGGCCACCGCCTCACCGCGCCGTTCTCGCTGCGCATCACCAACGAG  
TCCGGCAAGACGCTGGTGGCCAACCAAGTCATCCCGGCCAACTGGGTGCCCAAC  
ACCTACTACCGTTCATCGTCCAGTATTAG

### Nucleotide

>McsEXPB-21

AGACACACAGAACTTCTCCTGTTTGCCCTGCCAATAGCTCTAATAGCTGCCCTCTCA  
ACAAGTACTATGATGGCCACCTTGCCCTCCACAGTAGTTGCGCTTCTCTTCTTGCT  
CCTTGCAACGTGTGGCTCATGCGCGAGACCGGTGAGCTTTAACGCCTCCGACTTC

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GTGTG