

## IDENTIFICATION

**Species:** *Miscanthus sinensis*

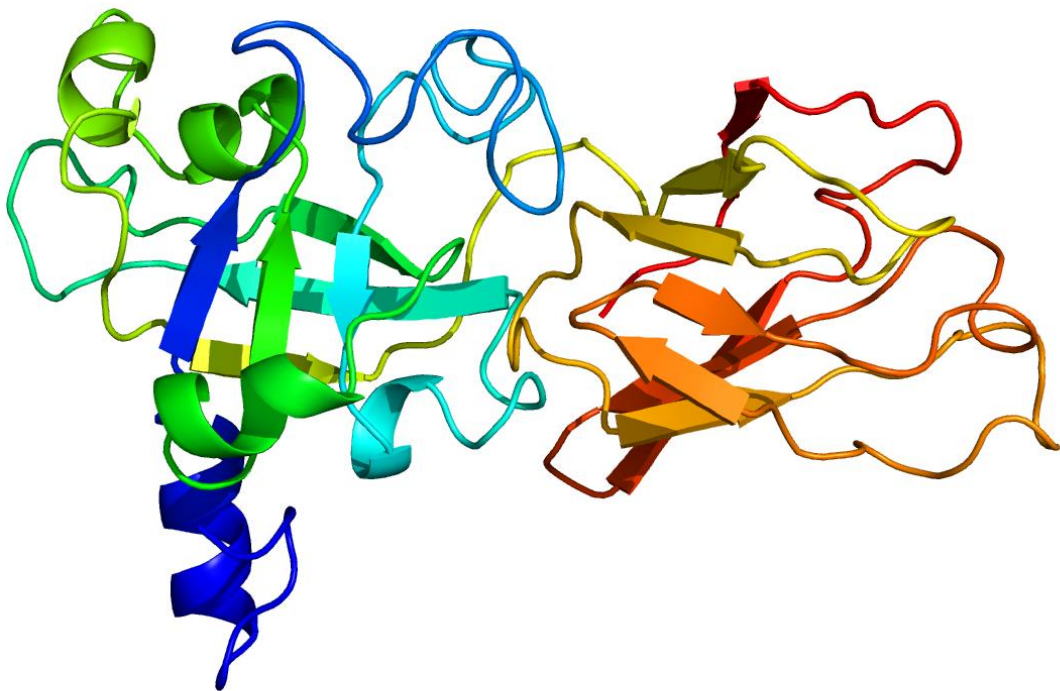
**Locus:** Misin07G434200

**Gene Model:** Misin07G434200.1.p

**Description:** McsEXPB-42

**Family:** Beta Expansin

**3D structure:**



## GENOME DATABASES

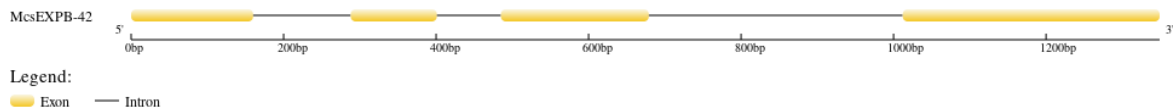
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Msinensis\\_v7\\_1](https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1)

KEGG:-

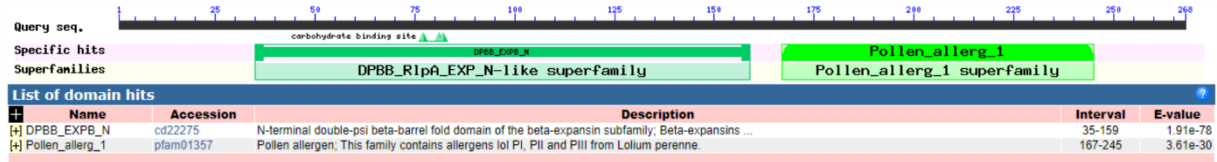
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>McsEXPB-42

MATKMVLCRFVAF AALACLLRPGAPVELHRKLSGWSGDAGATWYGAATGAGSDG  
GACGYQNAVDQPPFSSMIAAGSPSIFQNGEGCGSCYQVKCTGHASCSGSPVTVVLT  
ECPGGACLAEPVHFDLSGTAFGAMAKPGQADQLRSAGRLNIQYTRVPCNWNMGMDIA  
FKVDAGSNPNYFAVLIEYESGDGELRSVELMQRGGGGGA AWAPMQRSWGAVWRY  
NSGAALRAPFSVRLTSGSGRTL VASNVIPAGWTPGATYRSVVNFNN\*

### CDS (coding sequence)

>McsEXPB-42

ATGGCTACCAAGATGGTCCTGTGTCGCTTTGTGGCCTTCGCGGCTCTCGCCTGCCT  
CCTCCGCCCTGGCGCGCCCGTCGAGCTCCACCGAAAGCTCTCCGGCTGGTCCGGC  
GACGCCGGCGCGACGTGGTACGGCGCAGCCACCGGCGCTGGGAGCGACGGTGGT  
GCGTGCGGGTACCAGAACGCCGTCGACCAGCCGCCGTTCTCGTCCATGATCGCCG  
CCGGCAGCCCGTCCATCTTCCAGAACGGCGAGGGCTGCGGCTCCTGCTATCAGGT  
GAAATGCACCGGTCACGCGTCGTGCTCCGGCAGCCCGGTGACGGTGGTCCTCACC  
GACGAGTGCCCCGGCGGCGCGTGCCTGGCCGAGCCTGTGCACTTCGACCTGAGCG  
GCACGGCGTTTCGGAGCCATGGCGAAGCCCGGCCAGGCCGACCAGCTCCGCAGCG  
CCGGACGCCTCAACATCCAGTACACTCGGGTGCCGTGCAACTGGAACGGGATGG  
ACATCGCGTTCAAGGTGGACGCCGGCTCGAACCCGAACTACTTCGCGGTGCTGAT  
CGAGTACGAGTCCGGCGACGGCGAGCTGCGGTCCGTGGAGCTCATGCAGCGCGG  
CGGCGGCGGCGGCGCAGCGTGGGCGCCGATGCAGCGGTCATGGGGCGCCGTGTG  
GAGGTACA ACTCCGGCGCCGCCCTGCGGGCGCCCTTCTCCGTCCGCCTCACCTCC  
GGCTCCGGCAGGACGCTCGTCGCCAGCAACGTCATCCCCGCGGGGTGGACGCC  
GGCGCCACGTACCGCTCGGTTCGTA ACTTCAACA ACTAA

### Nucleotide

>McsEXPB-42

ATGGCTACCAAGATGGTCCTGTGTCGCTTTGTGGCCTTCGCGGCTCTCGCCTGCCT  
CCTCCGCCCTGGCGCGCCCGTCGAGCTCCACCGAAAGCTCTCCGGCTGGTCCGGC  
GACGCCGGCGCGACGTGGTACGGCGCAGCCACCGGCGCTGGGAGCGACGGTAA  
TGTAGATGCACGGACGACGCGGGTGA ACTTTA ACCATTTTTCATTCATCCTGCAT

GAAAAATAAAAAGAATTCGTAACAAATAATGCCTTCCC GGGACCCGGGTACGCC  
GTTTTTTCGTGTAGGTGGTGC GTGCGGGTACCAGAACGCCGTCGACCAGCCGCCG  
TTCTCGTCCATGATCGCCGCCGGCAGCCCGTCCATCTTCCAGAACGGCGAGGGCT  
GCGGCTCCTGCTATCAGGTAGTACGGTTATTCGTGCATGCGACCGAGCGTGGCAC  
TTACTTAATAACGACACCGCCGCCGTTGTGGTAATAAATTGTGCAGGTGAAATGC  
ACCGGTCACGCGTCGTGCTCCGGCAGCCCGGTGACGGTGGTCCTCACCGACGAGT  
GCCCCGGCGGGCGCGTGCCTGGCCGAGCCTGTGCACTTCGACCTGAGCGGCACGGC  
GTTCGGAGCCATGGCGAAGCCCGGCCAGGCCGACCAGCTCCGCAGCGCCGGACG  
CCTCAACATCCAGTACACTCGGTAAGCTAACAGCGCCGCACGTGACGCGTGCGTG  
CGTACGTAGCACAGATAGTACTTCTAAGTAGGAGTGTACTTGTGCTGTGTCGTAC  
GTTACGAATGCATATACTCGCTTTCGGTGGTGTACCGCGTAGGCCGTTGTTGGAG  
TATATTAGCTTGCCCTCCAACGCACGTAGAAACGCCGCGTGACCGTGACGCATGCA  
GGGTGCACGTACGTACAAACATTCTTGGTGTACTAGTGATAGACTAGAGTGTCTG  
TTCCTCGCACTTGTCTTTTGTGCCGCCCATGTCCATGTCCATGCATGACCGGTCG  
CGTCGCGTGCGTACTACCTGCAGGGTGCCGTGCAACTGGAACGGGATGGACATCG  
CGTTCAAGGTGGACGCCGGCTCGAACCCGAACTACTTCGCGGTGCTGATCGAGTA  
CGAGTCCGGCGACGGCGAGCTGCGGTCCGTGGAGCTCATGCAGCGCGGGCGGGCGG  
CGGCGGGCGCAGCGTGGGCGCCGATGCAGCGGTGCATGGGGCGCCGTGTGGAGGTA  
CAACTCCGGCGCCGCCCTGCGGGCGCCCTTCTCCGTCCGCCTCACCTCCGGCTCCG  
GCAGGACGCTCGTCGCCAGCAACGTCATCCCCGCGGGGTGGACGCCCGGGCGCCA  
CGTACCGCTCGGTCGTCAACTTCAACAATAA