

## IDENTIFICATION

**Species:** *Miscanthus sinensis*

**Locus:** Misin07G385100

**Gene Model:** Misin07G385100.1.p

**Description:** McsEXPB-39

**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

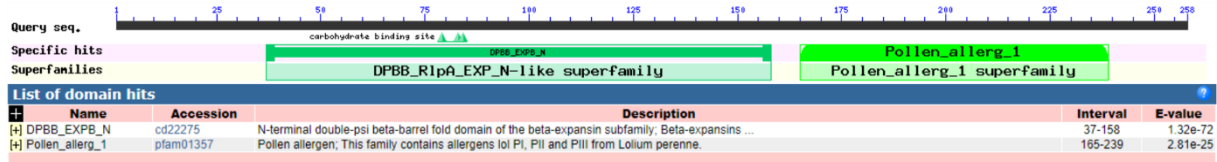
<https://grass-genome-hub.southgreen.fr/Genomeassembly/47213>

## GENE STRUCTURE



Legend:  
Exon

## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>McsEXPB-39

MQVAVVVALAFLVGGAWCGPPKVPPGKNITATYGSDWLEAKATWYGKPMGAGPD  
DNGGGCGYKDVNKA PFNSMGACGNVPIFKDGLGCGSCFEIKCDKPAECSGEPVVVYI  
TDMNYEPIAAYHFDLAGTAFGAMAKKGEEKLRKAGIIDMQFRRVKCKYGEKVTFH  
VEKGCNPNYLALLVKYVDGDGDIVA VDIKEKGGDAYEPLKHSWGAIWRKDS DKPL  
KFPVTVQITTEGGTKSVYNDIIPEDWKPNTAYTAK\*

### CDS (coding sequence)

>McsEXPB-39

ATGCAGGTGGCGGTGGTGGTGGCGCTGGCGTTTCTGGTGGGTGGCGCCTGGTGCG  
GTCCACCCAAGGTTCCCCGGGAAGAACATCACGGCCACCTACGGCAGCGACT  
GGCTGGAAGCGAAGGCGACATGGTACGGCAAGCCGATGGGTGCCGGCCCCGACG  
ACAACGGCGGGCGGGTGCGGGTACAAGGATGTGAACAAGGCCCCCTTCAACAGCA  
TGGGCGCGTGC GGCAACGTCCCCATCTTCAAGGACGGCCTCGGCTGCGGCTCCTG  
CTTCGAGATCAAGTGTGACAAGCCAGCAGAGTGCTCCGGCGAGCCCGTGGTGGT  
GTACATCACGGACATGAACTACGAGCCCATCGCCGCGTACCACTTCGACCTGGCC  
GGCACGGCGTTCGGCGCCATGGCCAAGAAGGGCGAGGAGGAGAAGCTGCGCAA  
GGCGGGCATCATCGACATGCAGTTCGGCGGGTCAAGTGCAAGTACGGCGAAAA  
GGTCACCTTCCACGTGGAGAAGGGGTGCAACCCCAACTACCTGGCGCTGCTGGTC  
AAGTACGTTCGACGGCGACGGCGACATTGTGGCGGTGGACATCAAGGAGAAGGGT  
GGTGACGCGTACGAACCCCTCAAGCACTCCTGGGGCGCCATCTGGAGGAAGGAC  
AGCGACAAGCCGCTCAAGTTCGCCGTCAACCGTCCAAATCACCACCGAGGGAGGC  
ACCAAGAGTGTCTACAACGACATCATCCCCGAAGACTGGAAGCCCAACACCGCC  
TACACCGCCAAATAA

### Nucleotide

>McsEXPB-39

ATGCAGGTGGCGGTGGTGGTGGCGCTGGCGTTTCTGGTGGGTGGCGCCTGGTGCG  
GTCCACCCAAGGTTCCCCGGGAAGAACATCACGGCCACCTACGGCAGCGACT  
GGCTGGAAGCGAAGGCGACATGGTACGGCAAGCCGATGGGTGCCGGCCCCGACG  
ACAACGGCGGGCGGGTGC GGGTACAAGGATGTGAACAAGGCCCCCTTCAACAGCA

TGGGCGCGTGCGGCAACGTCCCCATCTTCAAGGACGGCCTCGGCTGCGGCTCCTG  
CTTCGAGATCAAGTGTGACAAGCCAGCAGAGTGCTCCGGCGAGCCCGTGGTGGT  
GTACATCACGGACATGAACTACGAGCCCATCGCCGCGTACCACTTCGACCTGGCC  
GGCACGGCGTTCGGCGCCATGGCCAAGAAGGGCGAGGAGGAGAAGCTGCGCAA  
GGCGGGCATCATCGACATGCAGTTCGGCGGGTCAAGTGCAAGTACGGCGAAAA  
GGTCACCTTCCACGTGGAGAAGGGGTGCAACCCCAACTACCTGGCGCTGCTGGTC  
AAGTACGTTCGACGGCGACGGCGACATTGTGGCGGTGGACATCAAGGAGAAGGGT  
GGTGACGCGTACGAACCCCTCAAGCACTCCTGGGGCGCCATCTGGAGGAAGGAC  
AGCGACAAGCCGCTCAAGTTCGCCGTACCGTCCAAATCACCACCGAGGGAGGC  
ACCAAGAGTGTCTACAACGACATCATCCCCGAAGACTGGAAGCCCAACACCGCC  
TACACCGCCAAATAA