

IDENTIFICATION

Species: *Miscanthus sinensis*

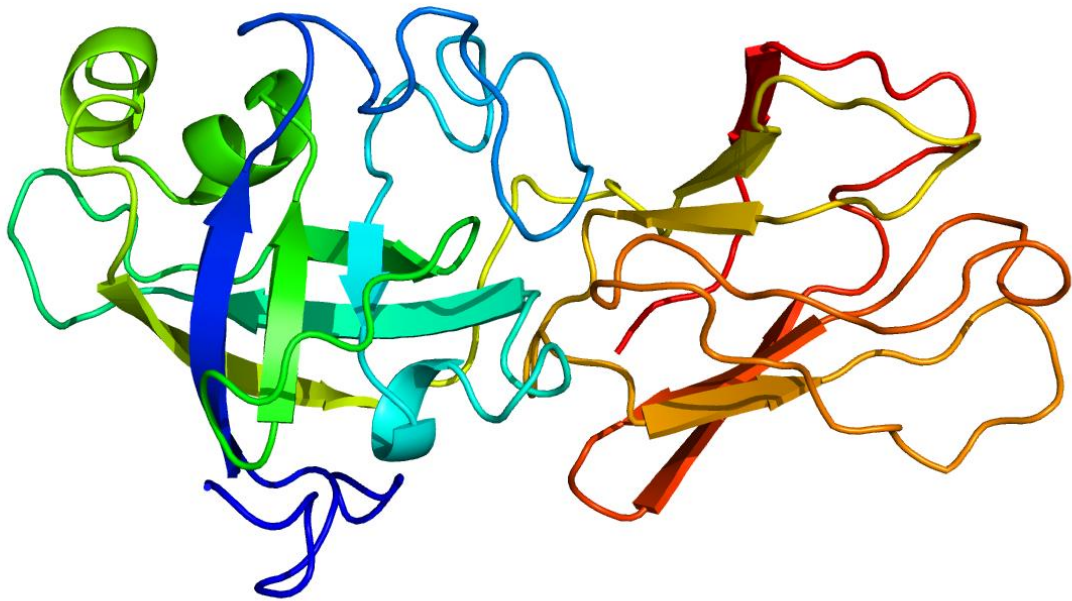
Locus: Misin02G278800

Gene Model: Misin02G278800.1.p

Description: McsEXPB-28

Family: Beta Expansin

3D structure:



GENOME DATABASES

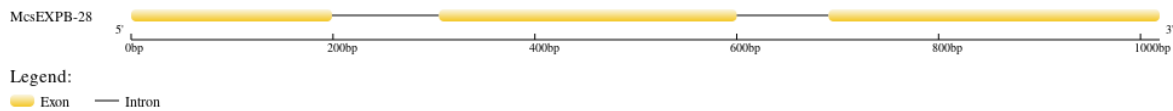
Phytozome: https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1

KEGG:-

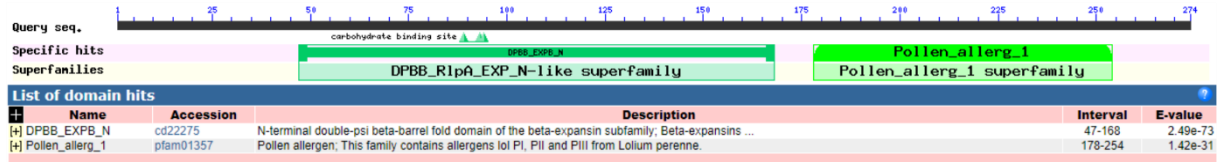
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>McsEXPB-28

MGSLPSAVVVAVAAVVLAALVAGGSCRTHGPNVPPDPNITADYDGKWLAAKATWY
GSPVGSVPVDNNGACGFEDVNLPPYSGMTSCGNYPFKDGGKGCSCYQIKCAAPQEC
SDQPVVVFITDVNDYPLAPYHFDLSGTAFGSMAKPGLADKLRHRGIIDMEFRRVRCQ
YGPRKNIVFHVEHGSNPFYLALLVKFVAGDGDIVQMDLKRETSPEWEPMHHSWGAV
WKIMDPHRPLKGPFSIRLTSESGKELVATDVIPEDWKPD AVYQSNIQF*

CDS (coding sequence)

>McsEXPB-28

ATGGGATCCCTGCCAGTGCTGTCGTCGTGGCAGTGGCCGCCGTAGTCCTGGCGG
CGCTCGTCGCCGGCGGGTTCGTGCAGGACCCACGGCCCCAATGTGCCGCCGGACCC
CAACATCACGGCCGACTACGACGGCAAGTGGCTCGCCGCAAAGGCCACCTGGTA
CGGCAGTCCCCTCGGCTCCGGCCCCGTCGACAACGGCGGCGCGTGCGGGTTTCGAG
GACGTGAACCTGCCGCCCTACAGCGGCATGACGTCCTGCGGCAACTACCCCATCT
TCAAGGACGGCAAGGGCTGCGGCTCCTGCTACCAGATCAAATGCGCGGCGCCAC
AGGAGTGCTCCGACCAGCCGGTGGTGGTTCATCACCGACGTGAACGACTACCC
TCTCGCTCCCTACCACTTCGACCTCAGCGGCACGGCGTTCGGCTCCATGGCCAAG
CCCGGCCTCGCCGACAAGCTCCGCCACCGTGGCATCATCGACATGGAGTTCAGGA
GGGTGCGGTGCCAGTACGGGCCCCGCAAGAACATCGTGTTCCACGTGGAGCACG
GGTCCAATCCCTTCTACCTGGCGCTGCTGGTCAAGTTCGTGGCGGGCGACGGCGA
CATCGTGCAGATGGACCTCAAGCGGGAGACGTCGCCGGAGTGGGAGCCGATGCA
CCACTCGTGGGGCGCCGTCTGGAAGATAATGGACCCGCACAGGCCGCTCAAGGG
CCCCTTCTCCATCCGCCTCACCAGCGAGTCCGGCAAGGAGCTCGTCGCCACCGAC
GTCATCCCGGAGGACTGGAAGCCCCGACGCCGTCTACCAGTCTAACATCCAGTTCT
AG

Nucleotide

>McsEXPB-28

ATGGGATCCCTGCCAGTGCTGTCGTCGTGGCAGTGGCCGCCGTAGTCCTGGCGG
CGCTCGTCGCCGGCGGGTTCGTGCAGGACCCACGGCCCCAATGTGCCGCCGGACCC

CAACATCACGGCCGACTACGACGGCAAGTGGCTCGCCGCAAAGGCCACCTGGTA
CGGCAGTCCCCTCGGCTCCGGCCCCGTCGACAACGGTACGTATGTACGCGAGATT
CTGAATATAATTCGACCACATGCCATGCATGATCTCGATCCATCTGACGAGACGT
CGTCTGCATGCGTTCTGGATCACTTGTCAGGCGGCGCGTGCGGGTTTCGAGGACG
TGAACCTGCCGCCCTACAGCGGCATGACGTCCTGCGGCAACTACCCCATCTTCAA
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GTGCTCCGACCAGCCGGTGGTGGTGTTCATCACCGACGTGAACGACTACCCTCTC
GCTCCCTACCACTTCGACCTCAGCGGCACGGCGTTCGGCTCCATGGCCAAGCCCG
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CAACGATCAAATAAAACACCTTCATCACCATCATGTATATGTTATATGCAGCA
GAAATAACATGACTGTCAACTGCCTGCATGCAGGGTGCGGTGCCAGTACGGGCCC
CGCAAGAACATCGTGTTCCACGTGGAGCACGGGTCCAATCCCTTCTACCTGGCGC
TGCTGGTCAAGTTCGTGGCGGGCGACGGCGACATCGTGCAGATGGACCTCAAGC
GGGAGACGTCGCCGGAGTGGGAGCCGATGCACCACTCGTGGGGCGCCGTCTGGA
AGATAATGGACCCGCACAGGCCGCTCAAGGGCCCCCTTCTCCATCCGCCTCACCAG
CGAGTCCGGCAAGGAGCTCGTCGCCACCGACGTCATCCCGGAGGACTGGAAGCC
CGACGCCGTCTACCAGTCTAACATCCAGTTCTAG