

IDENTIFICATION

Species: *Miscanthus sinensis*

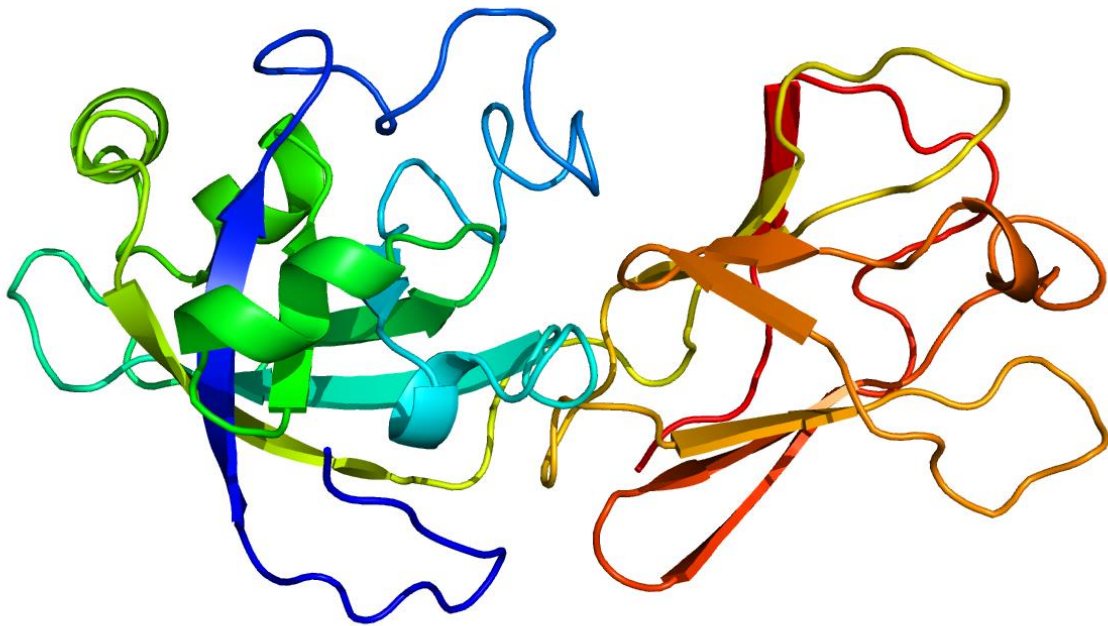
Locus: Misin08G230400

Gene Model: Misin08G230400.1.p

Description: McsEXPB-45

Family: Beta Expansin

3D structure:



GENOME DATABASES

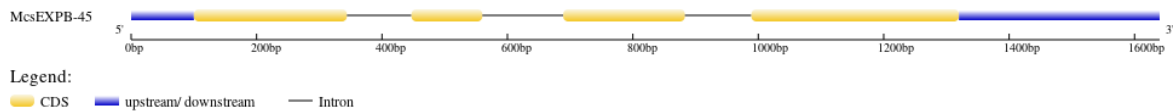
Phytozome: https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1

KEGG:-

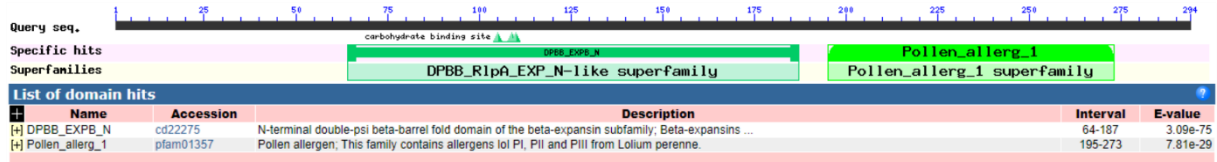
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>McsEXPB-45

MAKSCTLLIFGALVLLLLVSPACSRKLAKPNKHRPRHKPAVRARSNYTVTPSVSDA
 YGSGGWLSAGATYYGAPDGDGSDGGACGYQTA V G Q R P F S S M I A A G S P S L F K G G K G
 CGACYEVKCDGNAACSGQPATVVITDECPGGVCLAEAAHFDMMSGTSMGAMAKPGM
 ADRLRAAGILKVQYKRVCKYSGVNIAFRVDQGSNPFYFEVLVEFEDSDGDLSAVDL
 MEAGCGTWTMPVQNWGALWRYNSNTGKALRAPFSLRLTSDSGKVLVANNVIPSGW
 NPGATYRSLVNYS*

CDS (coding sequence)

>McsEXPB-45

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 AGTAAGCCCCATTGCTTGCTCCCGCAAGCTCGCCAAGCCAAACAAGCACAGGCCG
 AGACACAAGCCGGCAGTCAGGGCCCGCAGCAACTACACTGTCACCCCTCGGTGT
 CCGACGCCTACGGCTCCGGCGGCTGGTTGTCCGCCGGCGCGACGTACTACGGCGC
 ACCCGACGGCGACGGCAGTGACGGCGGCGCGTGCGGCTACCAGACCGCCGTCGG
 GCAGCGTCCCTTCTCGTTCGATGATCGCCGCAGGTAGCCCGTCGCTGTTCAAGGGA
 GGCAAGGGCTGTGGCGCTTGCTACGAGGTTAAATGCGACGGCAACGCGGCATGC
 TCCGGCCAGCCGGCGACCGTGGTCATCACCGACGAGTGCCCCGGCGGCGTCTGCC
 TTGCCGAGGCGGCCACTTCGACATGAGCGGCACCTCCATGGGCGCCATGGCCAA
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 AGGGTGCCGTGCAAGTACAGCGGCGTAAACATCGCCTTCAGGGTGGACCAGGGC
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 CGCCCTTCTCGCTCCGGCTCACCTCCGACTCCGGCAAGGTGCTCGTCGCCAACAA
 CGTCATCCCCTCCGGCTGGAACCCCGGAGCCACGTACCGCTCCTTGGTGAACACTAC
 TCCTGA

Nucleotide

>McsEXPB-45

CCCTCGAGCTAAGCTCATCTCTACCTCACAGCCGTCTTCCGAGCTACAGCTACCA
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