

IDENTIFICATION

Species: *Miscanthus sinensis*

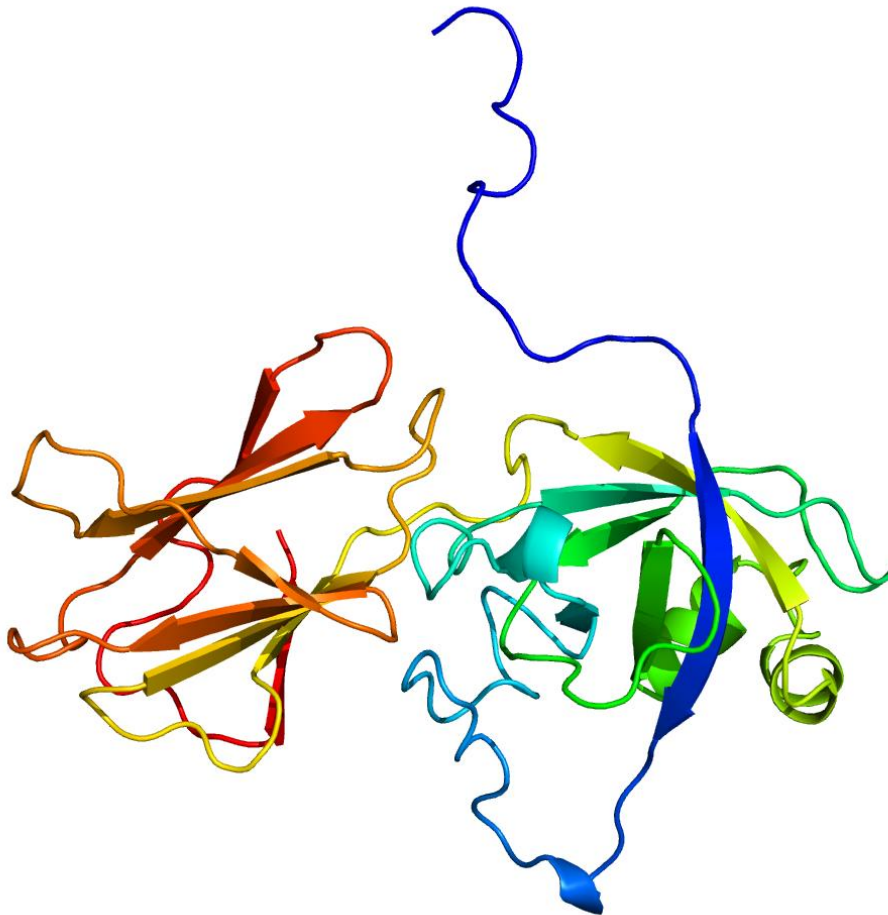
Locus: Misin01G514200

Gene Model: Misin01G514200.1.p

Description: McsEXPB-12

Family: Beta Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

EXTERNAL RESOURCES

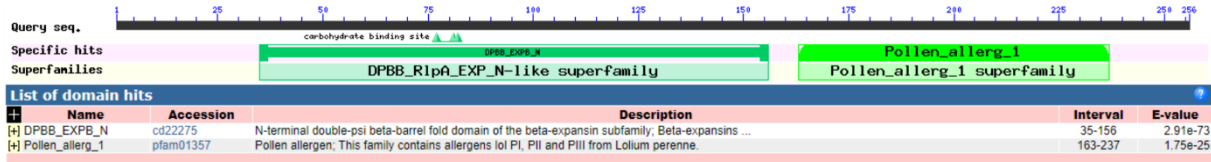
<https://grass-genome-hub.southgreen.fr/Genomeassembly/47213>

GENE STRUCTURE



Legend:
Exon

DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>McsEXPB-12

MQVALALAFVLVGGAWCGPPKVPPGKNITASYGSDWLEAKATWYGKPTGAGPDDNG
GGCGYKDVNKAPFNSMGACGNVPIFKDGLGCGSCFEIKCDKPAECSGEPVVVYITDM
NYEPIAAAYHFDLAGTAFGAMAKKGEEELRKAIIIDMQFRRVKCKYGEKATFHVEK
GCNPNYLALLVKYVDGDGDIVAVDIKEKGGDTYEPLKHSWGAIWRKDSDKPLKFPV
TVQITTEGGTKSVYNDVIPEDWKPDATAYTAK*

CDS (coding sequence)

>McsEXPB-12

ATGCAGGTGGCGCTGGCGCTGGCGTTTCTAGTGGGCGGCGCCTGGTGCGGTCCCTC
CCAAGGTTCCCCGGGCAAGAACATCACGGCCAGCTACGGCAGCGACTGGCTGG
AAGCGAAGGCGACGTGGTACGGCAAGCCAACGGGCGCCGGCCCCGACGACAACG
GCGGCGGGTGCGGGTACAAGGATGTGAACAAGGCCCCCTTCAACAGCATGGGCG
CGTGCGGCAACGTCCCCATCTTCAAGGATGGCCTCGGCTGTGGCTCCTGCTTCGA
GATCAAGTGCGACAAGCCGGCCGAGTGCTCCGGCGAGCCCGTGGTGGTGTACAT
CACGGACATGAACTACGAGCCCATCGCCGCGTACCACTTCGACCTGGCCGGCACG
GCGTTCGGCGCCATGGCCAAGAAGGGCGAGGAGGAGAAGCTGCGTAAGGCCGGC
ATCATCGACATGCAGTTCGGCGGGTCAAGTGCAAGTACGGCGAAAAGGCCACC
TTCCACGTGGAGAAGGGGTGCAACCCCAACTACCTGGCACTGCTGGTCAAGTACG
TCGACGGCGACGGCGACATTGTGGCGGTTGACATCAAGGAGAAGGGCGGGCGACA
CGTACGAGCCCCTCAAGCACTCCTGGGGCGCCATCTGGAGGAAGGACAGCGACA
AGCCGCTCAAGTTCCTCCGTCACCGTCCAAATCACCACCGAGGGAGGCACCAAGA
GCGTCTACAACGACGTCATCCCTGAAGACTGGAAGCCCGACACCGCCTACACCGC
CAAATAA

Nucleotide

>McsEXPB-12

ATGCAGGTGGCGCTGGCGCTGGCGTTTCTAGTGGGCGGCGCCTGGTGCGGTCCCTC
CCAAGGTTCCCCGGGCAAGAACATCACGGCCAGCTACGGCAGCGACTGGCTGG
AAGCGAAGGCGACGTGGTACGGCAAGCCAACGGGCGCCGGCCCCGACGACAACG

GCGGCGGGTGCGGGTACAAGGATGTGAACAAGGCCCCCTTCAACAGCATGGGCG
CGTGCGGCAACGTCCCCATCTTCAAGGATGGCCTCGGCTGTGGCTCCTGCTTCGA
GATCAAGTGCGACAAGCCGGCCGAGTGCTCCGGCGAGCCCGTGGTGGTGTACAT
CACGGACATGAACTACGAGCCCATCGCCGCGTACCACTTCGACCTGGCCGGCACG
GCGTTCGGCGCCATGGCCAAGAAGGGCGAGGAGGAGAAGCTGCGTAAGGCCGGC
ATCATCGACATGCAGTTCCGGCGGGTCAAGTGCAAGTACGGCGAAAAGGCCACC
TTCCACGTGGAGAAGGGGTGCAACCCCAACTACCTGGCACTGCTGGTCAAGTACG
TCGACGGCGACGGCGACATTGTGGCGGTTGACATCAAGGAGAAGGGCGGGCGACA
CGTACGAGCCCCTCAAGCACTCCTGGGGCGCCATCTGGAGGAAGGACAGCGACA
AGCCGCTCAAGTTCCCGTCACCGTCCAAATCACCACCGAGGGAGGCACCAAGA
GCGTCTACAACGACGTCATCCCTGAAGACTGGAAGCCCGACACCGCCTACACCGC
CAAATAA