

IDENTIFICATION

Species: *Miscanthus sinensis*

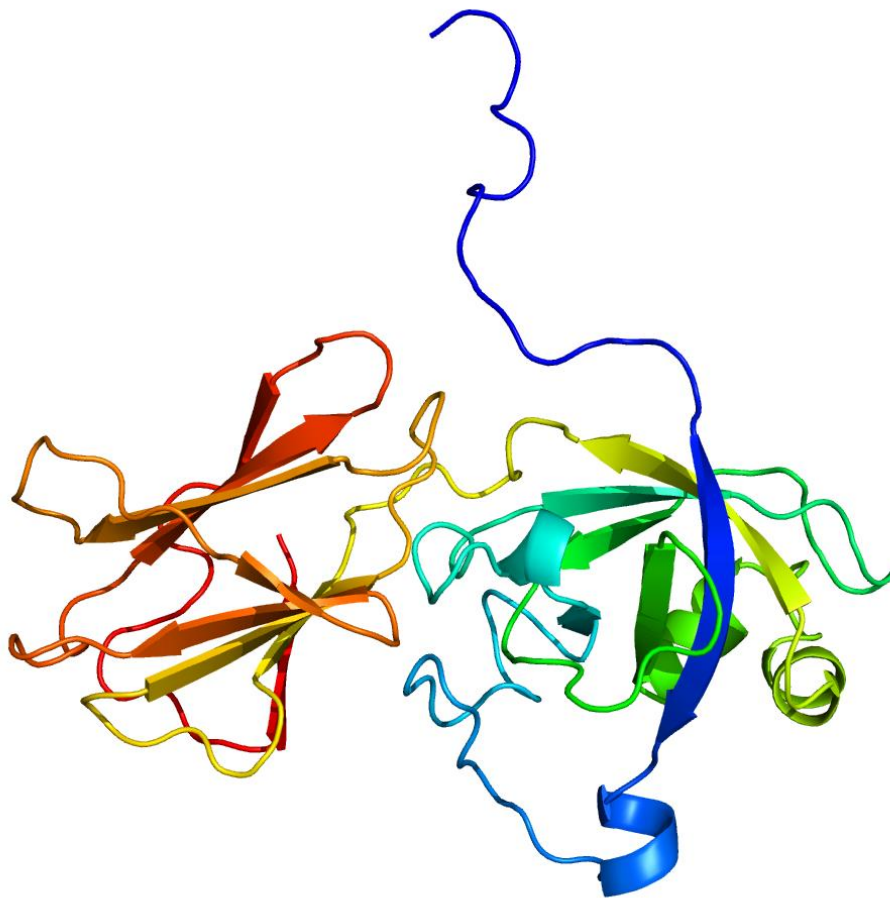
Locus: Misin02G512400

Gene Model: Misin02G512400.1.p

Description: McsEXPB-29

Family: Beta Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

EXTERNAL RESOURCES

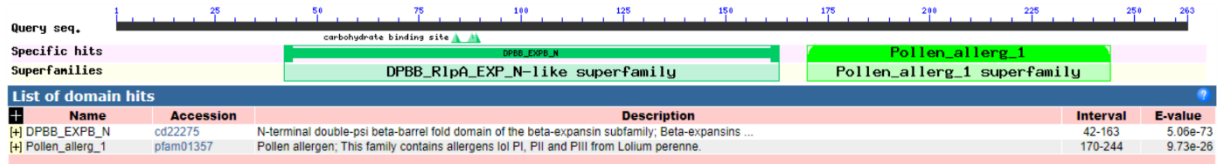
<https://grass-genome-hub.southgreen.fr/Genomeassembly/47213>

GENE STRUCTURE



Legend:
Exon

DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>McsEXPB-29

MSRSTMQVAAVVALAFLVGGAWCGPPKVPPGKNITATYGSDWLEAKATWYGKPTG
AGPDDNNGGCGYKDVNKAPFNSMGACGNVPIFKDGLGCGSCFEIKCDKPAECSDEP
VVVYITDMNYEPIAA YHFDLAGTAFGAMAKKGEEELRKGAGIIDMQFRRVKCKYGE
KVTFHVEKGCNPNYLALLVKYVDGDGDIVAVDIKEKGGDAFEPLKHSWGAIWRKDS
DKPLKFPITVQITTEGGTKSVYNNVIPEDWKPNTAYTAK*

CDS (coding sequence)

>McsEXPB-29

ATGTCGAGGTCGACGATGCAGGTGGCGGCGGTGGTGGCGCTGGCATTCTAGTGG
GCGGCGCCTGGTGCGGTCCTCCAAGGTTCCCCGGGCAAGAACATCACGGCCAC
CTACGGCAGCGACTGGCTGGAAGCGAAGGCGACATGGTACGGCAAGCCGACGGG
CGCCGGCCCCGACGACAACGGCGGCGGGTGCGGGTACAAGGATGTGAACAAGGC
TCCCTTCAACAGCATGGGCGCGTGCGGTAACGTCCCCATCTTCAAGGACGGCCTC
GGCTGCGGCTCCTGCTTCGAGATCAAGTGCGACAAGCCGGCGGAGTGCTCCGACG
AGCCCGTGGTGGTGTACATCACGGACATGAACTATGAGCCCATCGCCGCGTACCA
CTTCGACCTGGCCGGCACGGCGTTCGGCGCCATGGCCAAGAAGGGGCGAGGAGGA
GAAGCTACGTAAGGCGGGTATCATCGACATGCAGTTTCGGCGGGTCAAGTGCAA
GTACGGCGAAAAGGTTACCTTCCACGTGGAGAAGGGGTGCAACCCCAACTACCT
GGCGCTGCTGGTCAAGTACGTTCGACGGCGATGGCGACATTGTGGCGGTGGACATC
AAGGAGAAGGGCGGCGACGCGTTCGAGCCCCTCAAGCACTCCTGGGGCGCCATC
TGGAGGAAGGACAGCGACAAGCCGCTCAAGTCCCCATCACCGTCCAAATCACC
ACCGAGGGAGGCACCAAGAGCGTCTACAACAACGTCATCCCCGAAGACTGGAAG
CCCAACACCGCCTACACCGCCAAATAA

Nucleotide

>McsEXPB-29

ATGTCGAGGTCGACGATGCAGGTGGCGGCGGTGGTGGCGCTGGCATTCTAGTGG
GCGGCGCCTGGTGCGGTCCTCCAAGGTTCCCCGGGCAAGAACATCACGGCCAC
CTACGGCAGCGACTGGCTGGAAGCGAAGGCGACATGGTACGGCAAGCCGACGGG
CGCCGGCCCCGACGACAACGGCGGCGGGTGCGGGTACAAGGATGTGAACAAGGC

TCCCTTCAACAGCATGGGCGCGTGCGGTAACGTCCCCATCTTCAAGGACGGCCTC
GGCTGCGGCTCCTGCTTCGAGATCAAGTGCGACAAGCCGGCGGAGTGCTCCGACG
AGCCCGTGGTGGTGTACATCACGGACATGAACTATGAGCCCATCGCCGCGTACCA
CTTCGACCTGGCCGGCACGGCGTTCGGCGCCATGGCCAAGAAGGGCGAGGAGGA
GAAGCTACGTAAGGCGGGTATCATCGACATGCAGTTTCGGCGGGTCAAGTGCAA
GTACGGCGAAAAGGTTACCTTCCACGTGGAGAAGGGGTGCAACCCCAACTACCT
GGCGCTGCTGGTCAAGTACGTTCGACGGCGATGGCGACATTGTGGCGGTGGACATC
AAGGAGAAGGGCGGCGACGCGTTCGAGCCCCTCAAGCACTCCTGGGGCGCCATC
TGGAGGAAGGACAGCGACAAGCCGCTCAAGTCCCCATCACCGTCCAAATCACC
ACCGAGGGAGGCACCAAGAGCGTCTACAACAACGTCATCCCCGAAGACTGGAAG
CCCAACACCGCCTACACCGCCAAATAA