

IDENTIFICATION

Species: *Miscanthus sinensis*

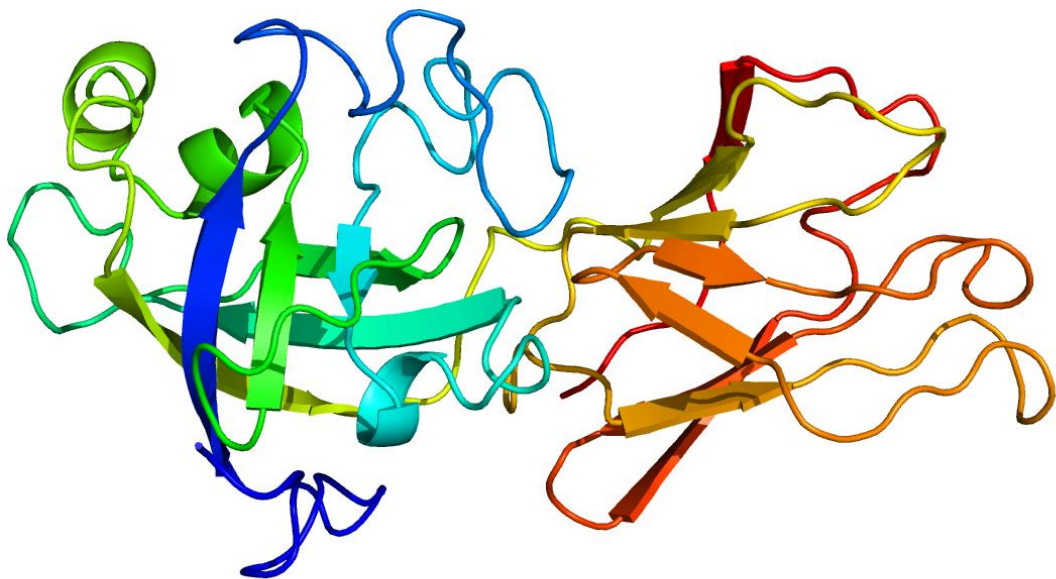
Locus: Misin02G278700

Gene Model: Misin02G278700.1.p

Description: McsEXPB-27

Family: Beta Expansin

3D structure:



GENOME DATABASES

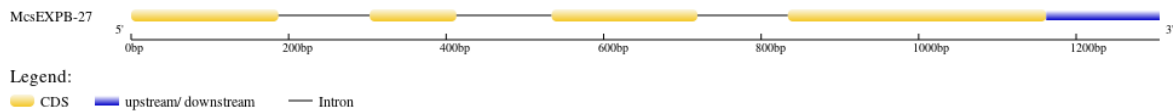
Phytozome: https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1

KEGG:-

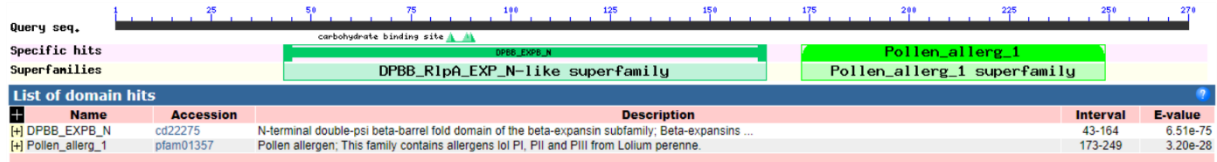
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>McsEXPB-27

MRS LGNNIVAVAAVLAALVAGGSCAPPKFPPGPNITTNYNQWLTARATWYGQPNG
AGPDDNGGACGIKVNLPYNGFTACGNIPFKDGKGCSCYEVRCKEKPECSGQPIT
VFITDMNYEPIAPYHFDFSGKAFGSLAKPGLNDKLRHCGIMDVEFRRVRCKLPGAKIL
FHVEKGSNPNYLAVLVKNVADDGNIVLMELEDKSAPGLFKPMKLSWGAIWRFDTPK
PLKGPFSIRLTSESGKKLIAKDVIPAYWKPDTLYYSNIQFY*

CDS (coding sequence)

>McsEXPB-27

ATGAGATCCCTCGGCAATAACATCGTGGCCGTGGCGGCCGTCCTGGCGGCGCTCG
TCGCCGGCGGCTCGTGC GCGCCCCGAAGTTCCGCCTGGCCCCAACATCACAAC
CAACTACAACGGCCAGTGGCTCACCGCCAGGGCCACCTGGTACGGCCAGCCCAA
CGGCGCCGGCCCTGACGACAACGGCGGTGCGTGC GGGATCAAGAACGTGAACCT
GCCACCCTACAACGGCTTCACGGCCTGCGGTAACATCCCCATCTTCAAGGATGGC
AAGGGCTGCGGCTCATGCTACGAGGTGAGATGCAAGGAAAACCCGAGTGCTCG
GGCCAACCGATCACGGTGTTTCATCACCGACATGAACTACGAGCCCATCGCTCCCT
ACCACTTCGACTTCAGCGGCAAGGCCTTCGGCTCCCTGGCAAAGCCCGGCCTCAA
CGACAAGCTCCGCCACTGCGGCATCATGGACGTGGAGTTCAGGAGGGTGCGGTG
CAAGTTGCCTGGGGCGAAGATCCTGTTCCACGTTGAGAAGGGGAGCAACCCCAA
CTACCTGGCCGTGCTGGTCAAGAACGTGGCGGACGACGGCAACATCGTGCTGATG
GAACTCGAGGACAAGTCGGCGCCGGGGTTGTTTAAGCCGATGAAGCTCTCCTGGG
GCGCCATCTGGAGGTTTGACACACCCAAGCCGCTCAAGGGCCCCCTTCTCCATCCG
CCTCACCAGCGAGTCCGGCAAGAAGCTCATCGCCAAAGACGTCATCCCGGCGTAC
TGGAAGCCCGACACCCTTACTACTCCAACATCCAGTTCTACTAG

Nucleotide

>McsEXPB-27

ATGAGATCCCTCGGCAATAACATCGTGGCCGTGGCGGCCGTCCTGGCGGCGCTCG
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CGGCGCCGGCCCTGACGACAACGGTAAGTCGTAGTCGTAGGTTATTATATTGTTG
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GAACCTGCCACCCTACAACGGCTTCACGGCCTGCGGTAACATCCCCATCTTCAAG
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CAAAGCCCGGCCTCAACGACAAGCTCCGCCACTGCGGCATCATGGACGTGGAGTT
CAGGAGGTATATATTGCTGGACGACGATCTCAGAAAAAATAGCTTCTCCATGTCC
ATGTCCAATATGCCATGCACACGCAACAAGCAGCACAAAACCTTACACGCCGGCC
GTCGTCCTGCAGGGTGCGGTGCAAGTTGCCTGGGGCGAAGATCCTGTTCCACGTT
GAGAAGGGGAGCAACCCCAACTACCTGGCCGTGCTGGTCAAGAACGTGGCGGAC
GACGGCAACATCGTGCTGATGGAACCTCGAGGACAAGTCGGCGCCGGGGTTGTTT
AAGCCGATGAAGCTCTCCTGGGGCGCCATCTGGAGGTTTGACACACCCAAGCCGC
TCAAGGGCCCCTTCTCCATCCGCCTCACAGCGAGTCCGGCAAGAAGCTCATCGC
CAAAGACGTCATCCCGGCGTACTGGAAGCCCGACACCCTCTACTACTCCAACATC
CAGTTCTACTAGACTTTTTGTATGTCCTTCATCCGGCGGTGGCTGCGGACCTGCAG
CAAGCCAAGTTGGCCGCCTATGTTTATTTGCATGAGAGAGCATGCACCGCTAACC
AACCATACTGAGACTTCTAAATTCTAGTATGTAATCCTGTTGTTT