

IDENTIFICATION

Species: *Miscanthus sinensis*

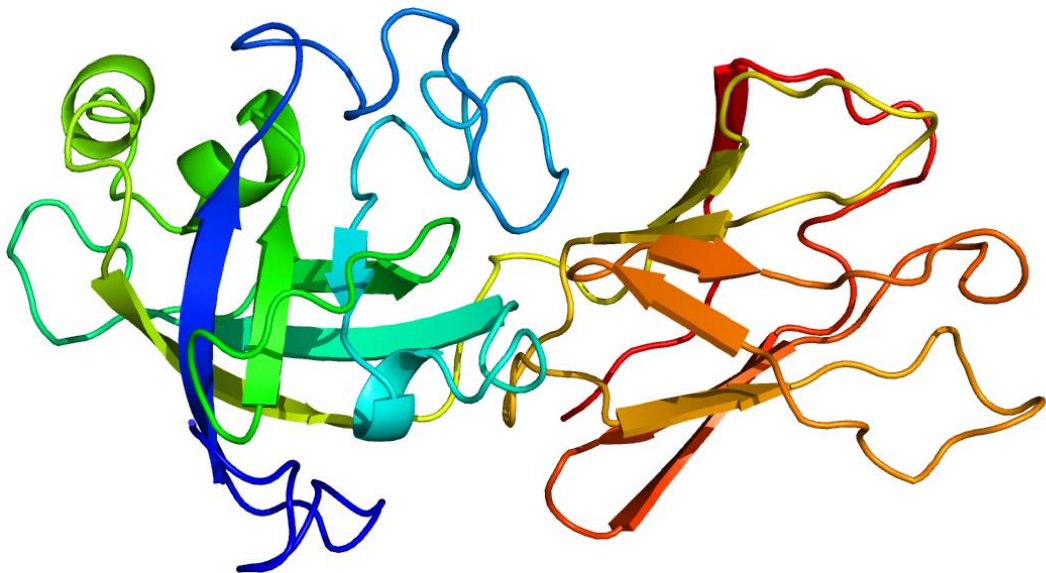
Locus: Misin01G289600

Gene Model: Misin01G289600.1.p

Description: McsEXPB-10

Family: Beta Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

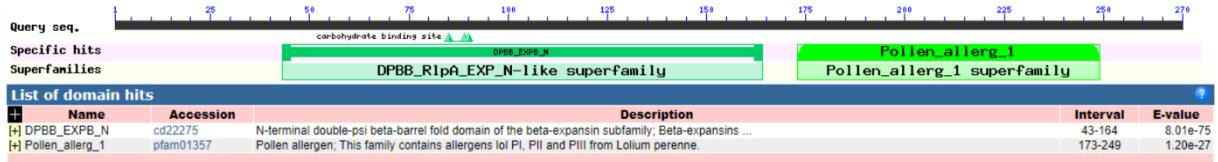
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>McsEXPB-10

MGSLTNNIVAVAAVLAALVAGGSCAPPKFPPGPNITTNYNQWLTARATWYGQPNG
AGPDDNGGACGIKVNLPYNGFTACGNIPFKDGGKCGSCYEVRCKEKPECSGQPIT
VFITDMNYEPIAPYHFDFSGKAFGSLAKPGLNDKLRHCGIMDVEFRRVRCKLPGAKIL
FHVEKGSNPNYLAVLVKNVADDGNIVLMELEDKSAPGLFKPMKLSWGAIWRFDTPK
PVKGPFSIRLTSESGKKLIAKDVIPAYWKPDTLYYSNIQFY*

CDS (coding sequence)

>McsEXPB-10

ATGGGATCCCTCACCAATAACATCGTGGCCGTGGCGGCCGTCCTTGCGGCCCTTG
TCGCCGGCGGCTCGTGCGCCCCCCCGAAGTTTCCGCCGGGCCCAACATCACAAC
CAACTACAACGGCCAGTGGCTGACCGCCAGGGCCACCTGGTACGGCCAGCCCAA
CGGCGCCGGCCCTGACGACAACGGCGGTGCGTGCGGGATCAAGAACGTGAACCT
GCCACCCTACAACGGCTTCACGGCCTGCGGTAACATCCCCATCTTCAAGGACGGC
AAGGGCTGCGGCTCATGCTACGAGGTGAGATGCAAGGAAAACCCGAGTGCTCG
GGCCAGCCGATCACGGTGTTTCATCACCGACATGAACTACGAGCCCATCGTCCCT
ACCACTTCGACTTCAGCGGCAAGGCCTTCGGCTCCCTGGCAAAGCCCGGCCTCAA
CGACAAGCTCCGCCACTGCGGCATCATGGACGTGGAGTTCAGGAGGGTGCGGTG
CAAGTTGCCTGGGGCGAAGATCCTGTTCCACGTTGAGAAGGGGAGCAACCCCAA
CTACCTGGCCGTGCTGGTCAAGAACGTGGCGGACGACGGCAACATCGTGCTGATG
GAACTCGAGGACAAGTCGGCGCCGGGGTTGTTTAAGCCGATGAAGCTCTCCTGGG
GCGCCATCTGGAGGTTTGACACACCCAAGCCGGTCAAGGGCCCCCTTCTCCATCCG
CCTCACCAGCGAGTCCGGCAAGAAGCTCATCGCCAAAGACGTCATCCCGGCGTAC
TGGAAGCCCGACACCCTTACTACTCCAACATCCAGTTCTACTAG

Nucleotide

>McsEXPB-10

ATAACACACGACGATGGGATCCCTCACCAATAACATCGTGGCCGTGGCGGCCGTC
CTTGCGGCCCTTGTCGCCGGCGGCTCGTGCGCCCCCCCGAAGTTTCCGCCGGGCC
CCAACATCACAACCAACTACAACGGCCAGTGGCTGACCGCCAGGGCCACCTGGT

ACGGCCAGCCCAACGGCGCCGGCCCTGACGACAACGGTAAGTCGTAGTCGTAGG
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GATCATGCACAAGCATGCATGTGTGATATGATGCAGGCGGTGCGTGCGGGATCA
AGAACGTGAACCTGCCACCCTACAACGGCTTCACGGCCTGCGGTAACATCCCCAT
CTTCAAGGACGGCAAGGGCTGCGGCTCATGCTACGAGGTCAGCATCTCGCTCTCT
GCTTGACGACGAAGCAATGCATGCCTTGGTTTGGCTTGATGATCGAATGCATGGA
CAGCAGCTAACTGCTTTATTACTTGTGGACATGCATGCAGGTGAGATGCAAGGA
AAAACCCGAGTGCTCGGGCCAGCCGATCACGGTGTTTCATCACCGACATGAACTAC
GAGCCCATCGCTCCCTACCACTTCGACTTCAGCGGCAAGGCCTTCGGCTCCCTGG
CAAAGCCCGGCCTCAACGACAAGCTCCGCCACTGCGGCATCATGGACGTGGAGTT
CAGGAGGTATATATTGCTGGACGACGATCTCAGAAAACTAGCTTCTCCATGTCC
ATGTCCATGTCCAATATGCCATGCACACGCAACAAGCAGCGCAAAACTTACACGC
CGGCCGTCGTCCTGCAGGGTGCGGTGCAAGTTGCCTGGGGCGAAGATCCTGTTCC
ACGTTGAGAAGGGGAGCAACCCCAACTACCTGGCCGTGCTGGTCAAGAACGTGG
CGGACGACGGCAACATCGTGCTGATGGAACTCGAGGACAAGTCGGCGCCGGGGT
TGTTTAAGCCGATGAAGCTCTCCTGGGGCGCCATCTGGAGGTTTGACACACCCAA
GCCGGTCAAGGGCCCCTTCTCCATCCGCCTCACCAGCGAGTCCGGCAAGAAGCTC
ATCGCCAAAGACGTCATCCCGGCGTACTGGAAGCCCGACACCCTCTACTACTCA
ACATCCAGTTCTACTAG