

IDENTIFICATION

Species: *Miscanthus sinensis*

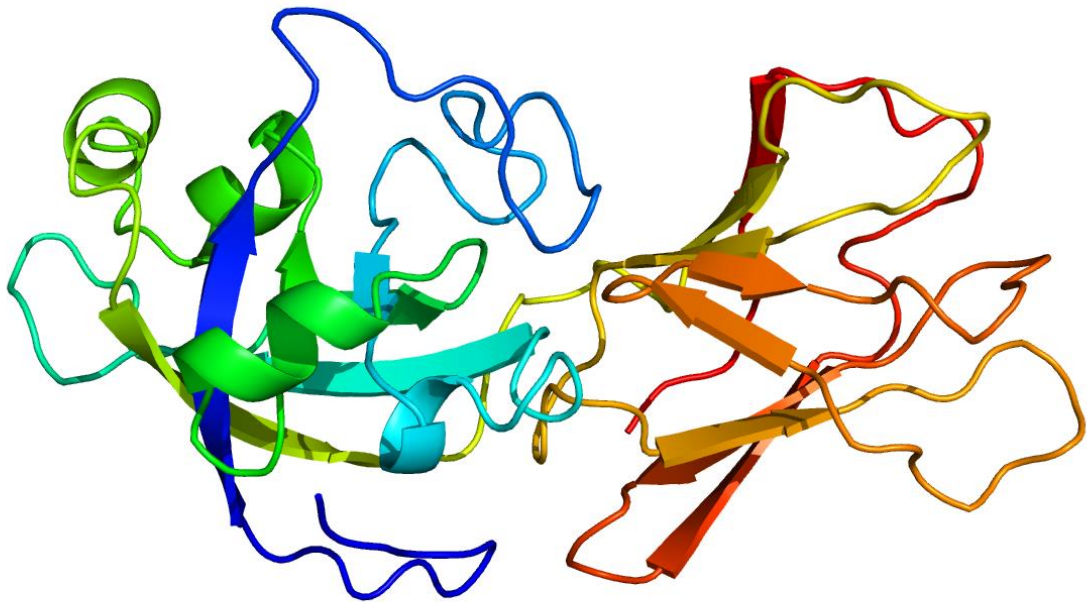
Locus: Misin12G162900

Gene Model: Misin12G162900.4.p

Description: McsEXPB-51

Family: Beta Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

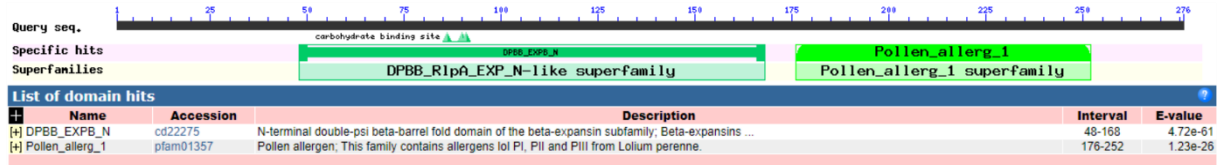
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>McsEXPB-51

MASSRALALFLFCALLPAPPISVSAALLFGGGKSAAVAKPGPGADMEWRPATATWY
GEAEGDGGACGYGTLVDVVPMKARVGSVSPVLFKDGEGCGACYKVKCLDRGICSR
RAVTVIVTDECPGGLCAFRTRHFDLSGAAYSARMAVAGAGGRLRDRGQLNVVYRRT
ACKYGGKNIAFRVNEGSTNFWLSLLVEFEDGEGDIGSMQIKQANSVEWLDMRHWV
GATWCLVRGPLVGPFSVRLTTLTSLARKTLTARDVIPRNWTPKATYTSRLNFQPSL*

CDS (coding sequence)

>McsEXPB-51

ATGGCTTCCTCGCGCGCCCTTGCTCTCTTCCTCTTCTGCGCTCTGCTGCCCGCGCCC
CCCATCTCTGTCTCAGCCGCATTGCTGTTCCGGCGGCGGCAAGTCAGCCGCGGTGG
CCAAGCCGGGTCCGGGAGCCGACATGGAGTGGCGGCGCGCCACCGCGACGTGGT
ACGGCGAGGCCGAGGGCGACGGCGGCGCGTGCGGGTACGGGACGCTGGTGGACG
TGGTGCCGATGAAGGCGCGGGTTCGGGTTCGGTGAAGCCCGTGCTGTTCAAGGACG
GCGAGGGCTGCGGCGCCTGCTACAAGGTCAAGTGCCTGGACCGCGGCATCTGCTC
CCGCCGCGCCGTCACGGTGATCGTCACGGACGAGTGCCCCGGCGGGCTCTGCGCC
TTCGGCCGCACCCACTTCGACCTCAGCGGCGCCGCCTACAGCAGGATGGCCGTCG
CGGGGGCCGGCGGCGCCGCTGCGCGACCGGGGCCAGCTGAACGTCGTGTACAGGA
GGACGGCCTGCAAGTACGGCGGGAAGAACATAGCATTCCGCGTGAACGAGGGCT
CGACTAATTTCTGGCTCTCTCTGCTCGTTCGAGTTCGAGGACGGCGAAGGCGACAT
CGGATCCATGCAGATAAAGCAGGCCAACTCGGTGGAGTGGCTGGACATGAGGCA
CGTGTGGGGGGCCACGTGGTGCCTGGTGCGGGGCCCGCTTGTGGGGCCCTTCTCC
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TCTCTAG

Nucleotide

>McsEXPB-51

GCGAGAGCACCTCTGCCTCTGACTGCGGCATTGGGGCTTGGGATTTCTCGAAGCC
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AGCCCCGTCTCTCCCGTCTCAGCACCCGGCGACCTTCCAACAGGCAACTGCTCC
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