

IDENTIFICATION

Species: *Miscanthus sinensis*

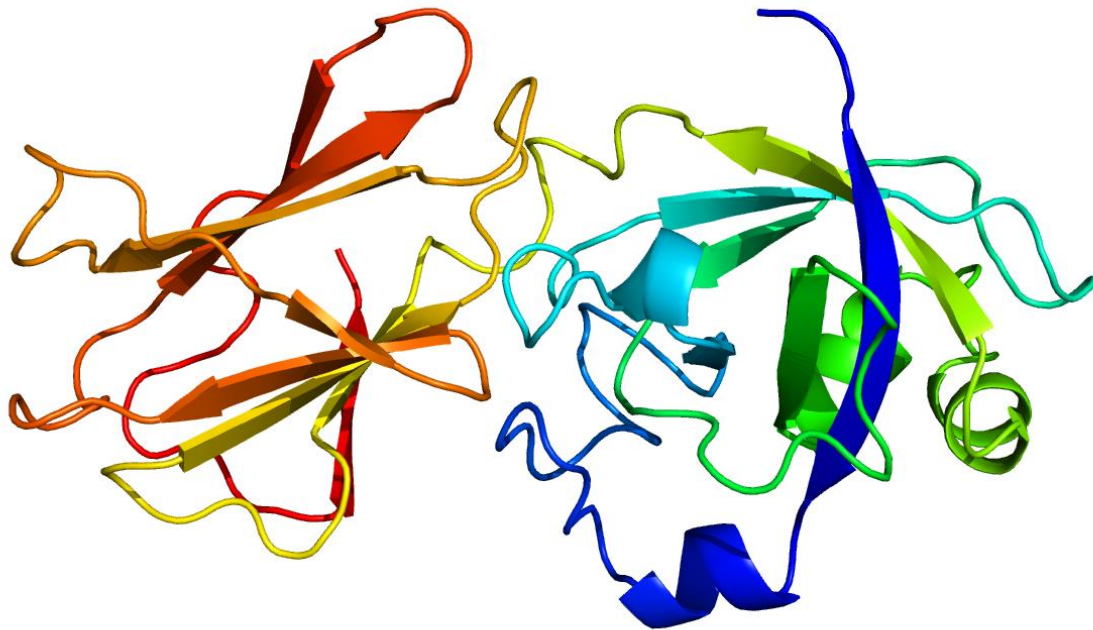
Locus: Misin12G183000

Gene Model: Misin12G183000.1.p

Description: McsEXPB-53

Family: Beta Expansin

3D structure:



GENOME DATABASES

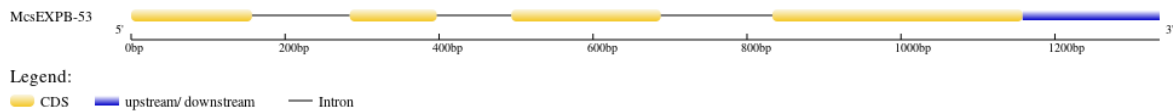
Phytozome: https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1

KEGG:-

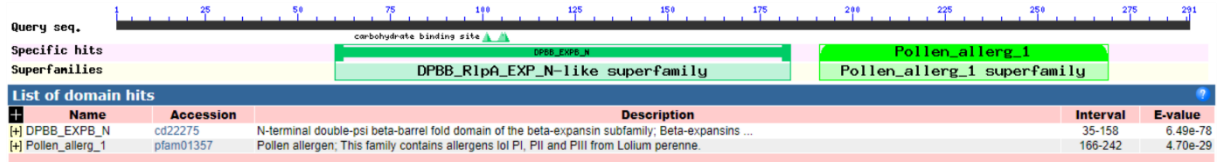
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>McsEXPB-53

MASKSQLFFIAIAALASIIHPCASVEFHRKLSSWSSGGATWYGAATGAGSDGGACG
YQGAVDQAPFSSMIAAGSPSIYNSGKGCSCFQVKCTGNDACSGNPVTVVITDECPG
GACLNPAHFDMSGTAFGAMANPGQADKLRNAGVQLQIQYTRVQCNWPGVKLTFVV
DAGSNPEYFAVLIKYNVNGDGLSAVDLMQTGAGASWASMQPSWGAVWKFNAGSA
LQAPLSIRLTSSSGKQLVASNVIPAGWTPGATYQSSVNY*

CDS (coding sequence)

>McsEXPB-53

ATGGCTTCCAAGTCTCAGCTCCTGTTTTTCATTGCGATTGCGGCTCTAGCCTCGAT
CATCCATCCTTGTGCATCCGTCGAGTTTCACCGCAAGCTCTCCAGCTGGTCCAGCG
GCGGCGCGACGTGGTACGGCGCCGCCACTGGGGCTGGAAGTGATGGTGGCGCAT
GCGGGTACCAAGGTGCCGTCGACCAGGCGCCGTTCTCGTCCATGATCGCCGCGGG
GAGCCCTTCCATCTACAACCTCCGGCAAGGGCTGCGGCTCTTGCTTCCAGGTCAAA
TGCACCGGTAATGACGCGTGCTCCGGCAACCCCGTGACCGTCGTCATCACCGATG
AATGCCCTGGCGGTGCGTGCCCTCAACGAGCCGGCCACTTCGACATGAGCGGAAC
GGCATTGCGCGCCATGGCGAACCCCGGCCAGGCCGACAAGCTGCGCAACGCCGG
TGTCCTCCAATCCAGTACACCCGCGTGCACTGCAACTGGCCTGGCGTAAAGCTA
ACCTTCGTGGTCGACGCCGTTTCGAACCCGGAGTACTTCGCCGTGCTCATTAAAGT
ACGTGAACGGCGACGGCGACCTCTCCGCCGTGACCTCATGCAGACCGGGGCCG
GGGCGTCGTGGGCGTCCATGCAGCCGTCGTGGGGCGCCGTCTGGAAGTTCAACGC
CGGGTTCGGCATTGCAGGCGCCCTTGTCGATCCGCCTGACGTCCAGCTCCGGCAAG
CAGCTCGTCGCCAGCAACGTCATCCCCGCCGGGTGGACGCCCGGCCACCTACC
AGTCTCTGTCAACTACTAA

Nucleotide

>McsEXPB-53

ATGGCTTCCAAGTCTCAGCTCCTGTTTTTCATTGCGATTGCGGCTCTAGCCTCGAT
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GGTGTCTTCCAAATCCAGTACACCCGGTAGGAACGAATTCGATCGCTCACTAACT
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CGGCTTTTGTATTCTTTCTATTGGCTGACGAATTGAAGCTCGTGATGTATGTACGT
ACAGCGTGCAGTGCAACTGGCCTGGCGTAAAGCTAACCTTCGTGGTTCGACGCCGG
TTCGAACCCGGAGTACTTCGCCGTGCTCATTAAGTACGTGAACGGCGACGGCGAC
CTCTCCGCCCGTCGACCTCATGCAGACCCGGGGCCGGGGCGTTCGTGGGCGTCCATGC
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CTTGTCGATCCGCCTGACGTCCAGCTCCGGCAAGCAGCTCGTCGCCAGCAACGTC
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TTTGTGTGTTTGGACTCTCGCTTGTCAACAACAGTGGTTGCATGCTTAAGCTTGGCG
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