

IDENTIFICATION

Species: *Miscanthus sinensis*

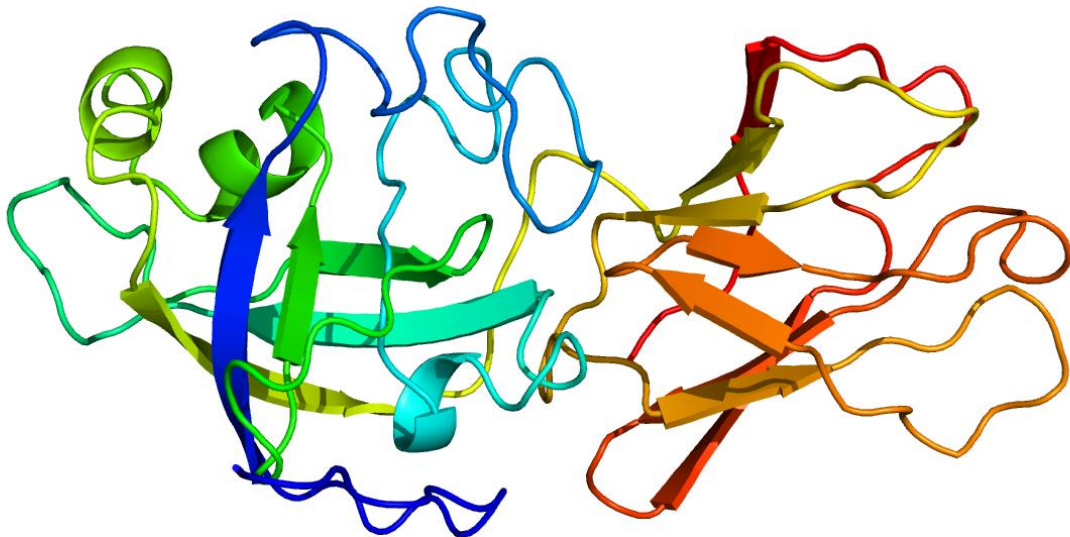
Locus: Misin02G515300

Gene Model: Misin02G515300.1.p

Description: McsEXPB-33

Family: Beta Expansin

3D structure:



GENOME DATABASES

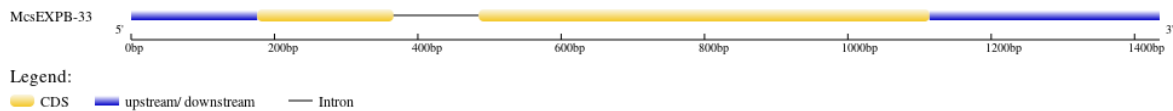
Phytozome: https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1

KEGG:-

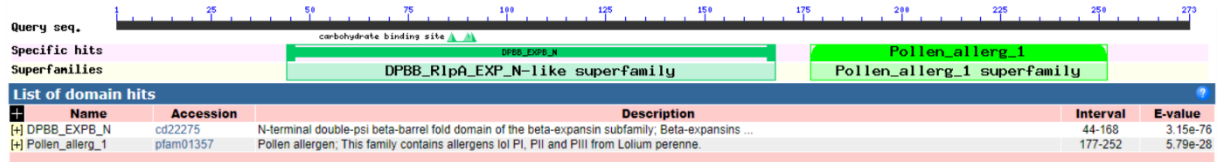
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>McsEXPB-33

MGSLSLSLLLLVA AAAVSLLLASCAAAAGVSYNTSDAAGVQM QWGNARATWYGO
PNGAGPYDNGGACGFKNVNQYPFMAMTSCGNQPLYRGGKGC GSCYKIRCSTSKHA
ACSGRTETVVITDMNYTPGVAPYHFDLSGTAFGKLA KPGRNDELRRAGIIDIQFARVP
CEFPGLKVG FHV EEGSSQVYFAVLVEYENG DGDVVQVDLMEKGSRRWTPMRESWG
SIWRLDSNHRLQPPFSIRTRSDSGKTLVARDVIPANWRPNTFYRSIVQYS*

CDS (coding sequence)

>McsEXPB-33

ATGGGGTCCCTCTCGCTCTCCCTGCTTCTGCTTGTGGCGGCCGCCGCGCTCCTCCCT
CCTGCTGGCCAGTTGCGCCGCCGCCGCCGCGGTGAGCTACAACACGAGCGATGCC
GCCGGCGTGCAGATGCAGTGGGGCAACGCCAGGGCCACCTGGTACGGCCAGCCC
AACGGTGCCGGGCCCTACGACAACGGCGGCGCTTGCGGGTCAAGAACGTGAAC
CAGTACCCGTTTCATGGCCATGACCTCGTGCGGCAACCAGCCGCTGTACCGCGGCG
GCAAGGGCTGCGGCTCCTGCTACAAGATCAGGTGCTCCACCTCCAAGCACGCCGC
CTGCTCCGGCCGCACCGAGACCGTGGTGATCACGGACATGAACTACACCCCGGGC
GTGGCGCCCTACCACTTCGACCTCAGCGGCACTGCCTTCGGCAAGCTGGCCAAGC
CCGGCCGCAACGACGAGCTCCGCCGCGCTGGCATCATCGACATCCAGTTCGCCAG
GGTGCCCTGCGAGTTC CCGGGGCTCAAGGTCGGCTTCCACGTCGAGGAGGGCTCC
AGCCAGGTCTACTTCGCCGTGCTGGTGGAGTACGAGAACGGCGACGGCGACGTA
GTGCAGGTGGACCTCATGGAGAAGGGCAGCCGGCGGTGGACGCCCATGCGCGAG
TCCTGGGGATCCATCTGGCGCCTCGACTCCAACCACCGCCTGCAGCCGCCCTTCTC
CATCCGCACCCGCAGCGACTCCGGCAAGACGCTGGTGGCACGCGACGTCATCCCA
GCCAACTGGAGGCCAAACACATTCTACAGATCAATCGTCCAGTACTCGTGA

Nucleotide

>McsEXPB-33

AAGTAGAGTTTAGAGTATTCCTACCTCAGA AACTCAGAAGAGTGCAGCGCAGACA
GATTCTTTCCCTCTCGTCTCGTCTCGTCTCGTCTCATCTCTTGCAGTTGG
TTTATTAGTAGTAGTAGCTAGTTGGAGCACAGCAGAGCAAAGAAAGGCGGCCG
GGCGCGGGGCAATGGGGTCCCTCTCGCTCTCCCTGCTTCTGCTTGTGGCGGCCGC

CGCCGTCTCCCTCCTGCTGGCCAGTTGCGCCGCCGCCGCCGGCGTGAGCTACAAC
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CAGCCGCTGTACCGCGGCGGCAAGGGCTGCGGCTCCTGCTACAAGATCAGGTGCT
CCACCTCCAAGCACGCCGCCTGCTCCGGCCGCACCGAGACCGTGGTGATCACGGA
CATGAACTACACCCCGGGCGTGGCGCCCTACCACTTCGACCTCAGCGGCACTGCC
TTCGGCAAGCTGGCCAAGCCC GGCCGCAACGACGAGCTCCGCCGCGCTGGC
ATCGACATCCAGTTCGCCAGGGTGCCCTGCGAGTTCCCGGGGCTCAAGGTTCGGCT
TCCACGTCGAGGAGGGCTCCAGCCAGGTCTACTTCGCCCGTGCTGGTGGAGTACGA
GAACGGCGACGGCGACGTAGTGCAGGTGGACCTCATGGAGAAGGGCAGCCGGCG
GTGGACGCCCATGCGCGAGTCCTGGGGATCCATCTGGCGCCTCGACTCCAACCAC
CGCCTGCAGCCGCCCTTCTCCATCCGCACCCGCAGCGACTCCGGCAAGACGCTGG
TGGCACGCGACGTCATCCAGCCAACTGGAGGCCAAACACATTCTACAGATCAAT
CGTCCAGTACTCGTGAACCTGAACCTGATTTTGATTCCATTCATTTTCATCTCGTCATG
TAAGCTAAGCTAATTAAGGGATTGCCATTGCCATTATTGCCATTTATATATCCATC
ATATATCAAACGGATGTCCC GGCCCGCCCTTTTTTTTTTTTTTTGGTTTTTGGTTTT
GTTTCTGTTCCCGGCGGCCGGGGGGCGGGCCCTTCTTCTGCCACTTCATACCTGC
TCGAGCACGTAATCAGCCTCGGCATTTTCGTCGTAATGATCGGATTATTTATTG
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