

IDENTIFICATION

Species: *Miscanthus sinensis*

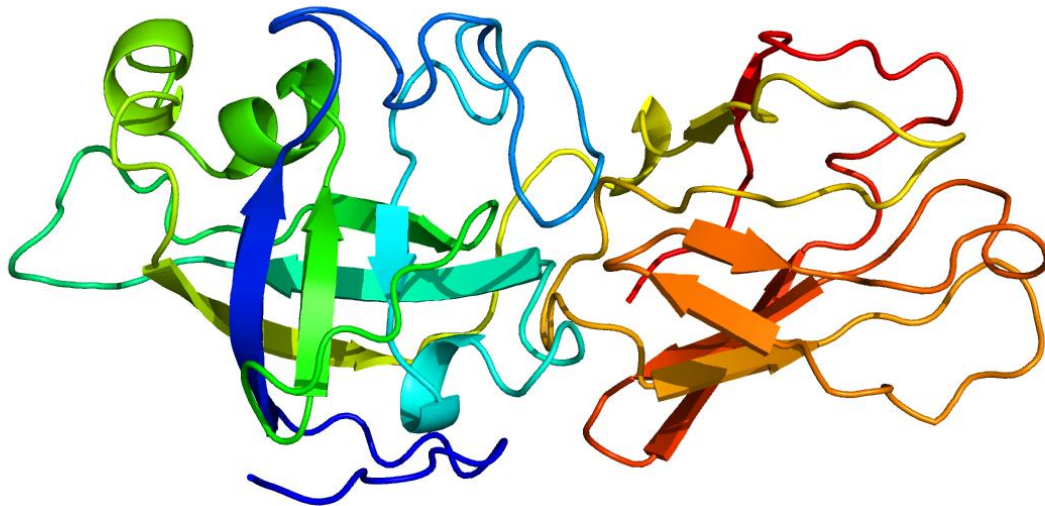
Locus: Misin02G273800

Gene Model: Misin02G273800.1.p

Description: McsEXPB-22

Family: Beta Expansin

3D structure:



GENOME DATABASES

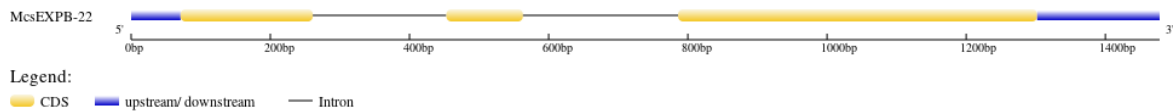
Phytozome: https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1

KEGG:-

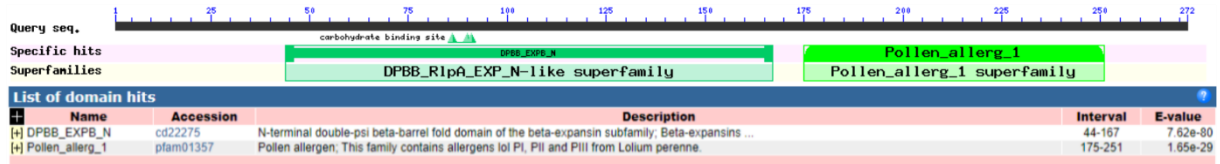
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>McsEXPB-22

MAAAQAAALLALLAALAVTRSGASALPVVNNHTSAVRQLRGGGWQEAKATWYGA
PNGAGPDDNGGACGFKNTNQYPFMSMTSCGNQPLFQDGQCGAC YQIRCTAKNNP
ACSGEVKTVMITDMNYYPVARYHFDLSGTAFGSMARPGLNDKLRHAGIIDIQFRRVA
CDNRGLTVNFHVEAGSNPNYLAVLVEYANKAGTVVQMDAMEANSGYWMPMRRS
WGSIWRLDSYRPLRGPFSMRIRSENGRTL VANNVIPANWRPNTDYRSYVQFT*

CDS (coding sequence)

>McsEXPB-22

ATGGCCGCGCCAGGCAGCTGCACTTCTTGCGCTCCTCGCCGCGCTTGCTGTCAC
GCGTTCTGGCGCAAGCGCACTACCGGTGGTGAACAACCACACCTCCGCGTCCGC
CAACTCCGCGGCGGCGGCTGGCAGGAGGCCAAGGCCACCTGGTACGGCGCGCCC
AACGGCGCCGCCCCGACGACAACGGCGGCGCGTGCGGGTTCAAGAACACCAAC
CAGTACCCGTTTCATGTCCATGACGTCGTGCGGCAACCAGCCCCCTGTTCCAGGACG
GCCAGGGCTGCGGCGCATGCTACCAGATCAGGTGCACCGCTAAGAACAACCCTG
CCTGCTCCGCGGAGGTGAAGACGGTGATGATCACGGACATGAACTACTACCCGGT
GGCCAGGTACCACTTCGACCTGAGCGGCACGGCGTTCGGATCCATGGCGAGGCC
GGGCTGAACGACAAGCTCCGGCACGCGGGCATCATCGACATCCAGTTCAGGAGG
GTGGCCTGCGACAACCGGGGGCTCACCGTCAACTTCCACGTGGAGGCGGGCTCCA
ACCCAACTACCTGGCGGTGCTGGTGGAGTACGCCAACAAGGCCGGCACCGTGG
TGCAGATGGACGCGATGGAGGCCAACTCGGGCTACTGGATGCCCATGCGCCGCTC
CTGGGGATCCATCTGGCGGCTCGACTCCTACCGCCCGCTCAGGGGGCCCCTTCTCC
ATGCGCATCCGCAGCGAGAACGGCAGGACGCTGGTGGCCAACAATGTCATCCCG
GCGAACTGGAGGCCAACACCGACTACCGCTCCTACGTCCAGTTCACTTAA

Nucleotide

>McsEXPB-22

CACACAAGCAGCCAAACGCGTATACTCCTACAAGGTTGTTAGCTTCTGCTGGTAC
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ACTAATAATACAGATCAGGTGCACCGCTAAGAACAACCCTGCCTGCTCCGGCGAG
GTGAAGACGGTGATGATCACGGACATGAACTACTACCCGGTGGCCAGGTACCAC
TTCGACCTGAGCGGCACGGCGTTCGGATCCATGGCGAGGCCCGGGCTGAACGAC
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CGATGGAGGCCAACTCGGGCTACTGGATGCCCATGCGCCGCTCCTGGGGATCCAT
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AGCGAGAACGGCAGGACGCTGGTGGCCAACAATGTCATCCCGGCGAACTGGAGG
CCCAACACCGACTACCGCTCCTACGTCCAGTTCACTTAACCGACTGCATAATTAA
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