

IDENTIFICATION

Species: *Miscanthus sinensis*

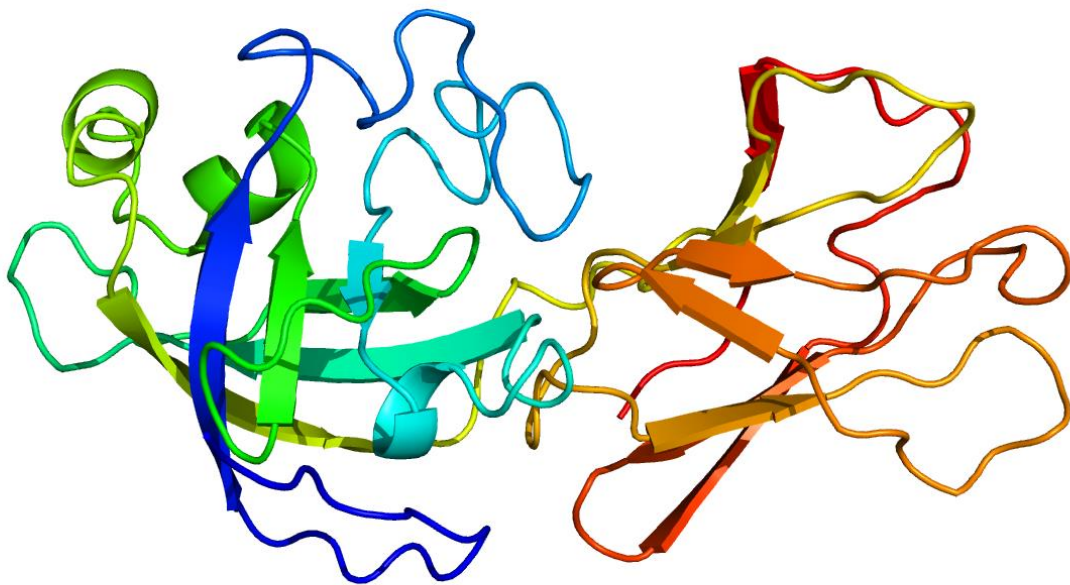
Locus: Misin02G273300

Gene Model: Misin02G273300.1.p

Description: McsEXPB-19

Family: Beta Expansin

3D structure:



GENOME DATABASES

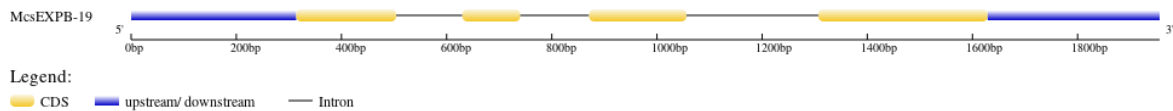
Phytozome: https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1

KEGG:-

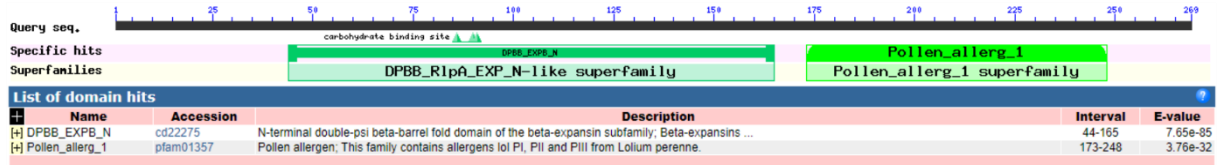
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>McsEXPB-19

MASFSSSKVLALGALVFSLLVITYGSCARPAVNFTASDFTADPNWEAARATWYGAPT
GAGPDDDDGGACGFKNVNLPPFSAMTSCGNQPLFKDGKGCYQIRCQKHPACSGN
PETVIITDMNYYPVAKYHFDLSGTAFGAMAKPGRNDEL RHAGIIDMQFKRVP CNYPG
QKVTFHVEEGSNPVYLA VLVEFEDGDGDVVQVDLMEANSGNWTPMRESWGSIWRL
DANHRLQAPFSLRITNESGRKLVASRVIPANWAANTYYRSIIQY*

CDS (coding sequence)

>McsEXPB-19

ATGGCATCCTTCTCCTCCTCCAAGGTGCTCGCACTTGGTGCCTCGTCTTCTCCCT
CCTTGTCACGTATGGCTCGTGCCTAGACCGGCGGTCAACTTTACCGCCTCCGACT
TCACCGCCGATCCCAACTGGGAGGCGGCCAGAGCCACCTGGTACGGTGCGCCCA
CCGGCGCCGGCCCTGACGACGATGGTGGCGCCTGCGGGTTCAAGAACGTGAACC
TGCCACCGTTCTCCGCCATGACGTCGTGCGGCAACCAGCCCCTGTTCAAGGACGG
CAAGGGATGTGGCTCCTGCTACCAGATACGATGCCAGAAGCACCCCTGCGTGCTCC
GGCAACCCAGAGACGGTGATCATACTGACATGAACTACTACCCCGTGGCCAAGT
ACCACTTCGACCTCAGCGGCACGGCGTTCGGCGCCATGGCCAAGCCCGGCCGAA
CGACGAGCTCCGCCACGCCGCATCATCGACATGCAGTTCAAGAGAGTGCCCTGC
AACTACCCCGGGCAGAAGGTGACGTTCCACGTCGAGGAGGGCTCCAACCCCGTCT
ACTTAGCGGTGCTCGTCGAGTTCGAGGACGGCGACGGCGACGTGGTGCAGGTGG
ACCTCATGGAGGCCAACTCCGGCAACTGGACGCCGATGCGCGAGTCCTGGGGAT
CCATCTGGAGGCTGGACGCCAACCATAGGCTGCAGGCGCCCTTCTCGCTGCGCAT
CACCAACGAGTCCGGCAGGAAGCTGGTGGCCAGTCGGGTCATCCCAGCCAACTG
GGCGGCCAACACCTACTACCGCTCCATCATT CAGTATTAG

Nucleotide

>McsEXPB-19

ACTCTTGATAATATAGGCCACACCGTGCGATAAACTGCCAAGAGGCCGTTGCTTT
TTTAATGGTTCACCCGTGATCCGAACCCTCCGTTTCTCGCATGATTTGCTCCGTAG
CCATGTGACCCCTACACACCAAAGGCCAAAGCACCACGCCGACGGGCGCAACGG

CCGTTGATCGAGGGCGATCGCCTTCCTTGGAGATTCTTTTCCCGTCTATAAAATACC
CCAGCACGGTGCTCCTTCCAGATCATCGAAACGCAAAACTCCTCCTGTCGGGCAA
AGTAGCTACTACTGTA ACTCTACTAGCAGCTAGCAACTATGGCATCCTTCTCCTCC
TCCAAGGTGCTCGCACTTGGTGCGCTCGTCTTCTCCCTCCTTGTACGTATGGCTC
GTGCGCTAGACCGGCGGTCAACTTTACCGCCTCCGACTTCACCGCCGATCCCAAC
TGGGAGGCGGCCAGAGCCACCTGGTACGGTGCGCCACCGGCGCCGGCCCTGAC
GACGATGGTACGCACGTGTAGATCGACGACGTCGTTTCAAGGCGCAGGATCGTCG
TATACTGCGTGCTGTGTATCGTCATGCATTGCATGTGCTGTGCTGTTGGCCTAACG
CGCTTTGTCCATTGATCTGCAGGTGGCGCCTGCGGGTTCAAGAACGTGAACCTGC
CACCGTTCTCCGCCATGACGTCGTGCGGCAACCAGCCCCTGTTCAAGGACGGCAA
GGGATGTGGCTCCTGCTACCAGGTAGCTTAGATTAATTGGTCAGACGAAGATCCT
TTAATTTGGTGCCAAAAACACCCTGCCTGCTCCGGCAAGCTCCAGCATAGTTTTG
AATTTTGAATAATGAATGAACTCCGTTCTATTTTCTTTCCCAGATACGATGCCAGA
AGCACCTGCGTGCTCCGGCAACCCAGAGACGGTGATCATCACTGACATGAACTA
CTACCCCGTGGCCAAGTACCACTTCGACCTCAGCGGCACGGCGTTCCGGCGCCATG
GCCAAGCCC GGCCGCAACGACGAGCTCCGCCACGCCGGCATCATCGACATGCAG
TTCAAGAGGTGGGTATCGCCGTGTGCGCGTCATGCGCAATTGCACATGCACTGCA
CGTTGTACAGAGCCACAAAACCACAAATTTGCAGGGCCCACCTGAACAGAATAT
AAGCTACTACACCTGTGCTGCATGTGGAGCTCTTGTAGATCCACACAAGTATTAC
TAGTTAAACTGTACCTGCTCCTATCTGTATAATTAATCTAGATTTTTTAGGACTGTT
GTCGGATTAGACTAATGGATCGAAACATGTCACATGCAGAGTGCCCTGCAACTAC
CCCGGGCAGAAGGTGACGTTCCACGTCGAGGAGGGCTCCAACCCCGTCTACTTAG
CGGTGCTCGTCGAGTTCGAGGACGGCGACGGCGACGTGGTGCAGGTGGACCTCA
TGGAGGCCAACTCCGGCAACTGGACGCCGATGCGCGAGTCCTGGGGATCCATCTG
GAGGCTGGACGCCAACCATAGGCTGCAGGCGCCCTTCTCGCTGCGCATCACCAAC
GAGTCCGGCAGGAAGCTGGTGGCCAGTCGGGTATCCCAGCCAACTGGGCGGCC
AACACCTACTACCGCTCCATCATTAGTATTAGCTCTGCTACGTA CTGCGCTCTGA
TGATTCGGTGTCAATTGGCTTTCACTGGA ACTGTATGTAATTGTATCTTCGGTGCAT
AGGACTGCGGTGCCTTGACTAGTGTTAGTCGGTGAGACGTCAAGATATTGACAGA
GTAGGAGATGAGGAAGCAAGTTTGGATGTGCTTTCCCGCTCACAGTCAGTACATG
AATCAGTGTGATCAAGGTTATAAATTA CTCTATATATAAAGCAGCTTCACAGTG
GTATTGAGCACCTAAGGGGAATCTGATCTTAGACGTCCAAACCAGCAAAACTGA
GTTGGTCAGTTTTTTTATGTAGTTCTCC