

IDENTIFICATION

Species: *Miscanthus sinensis*

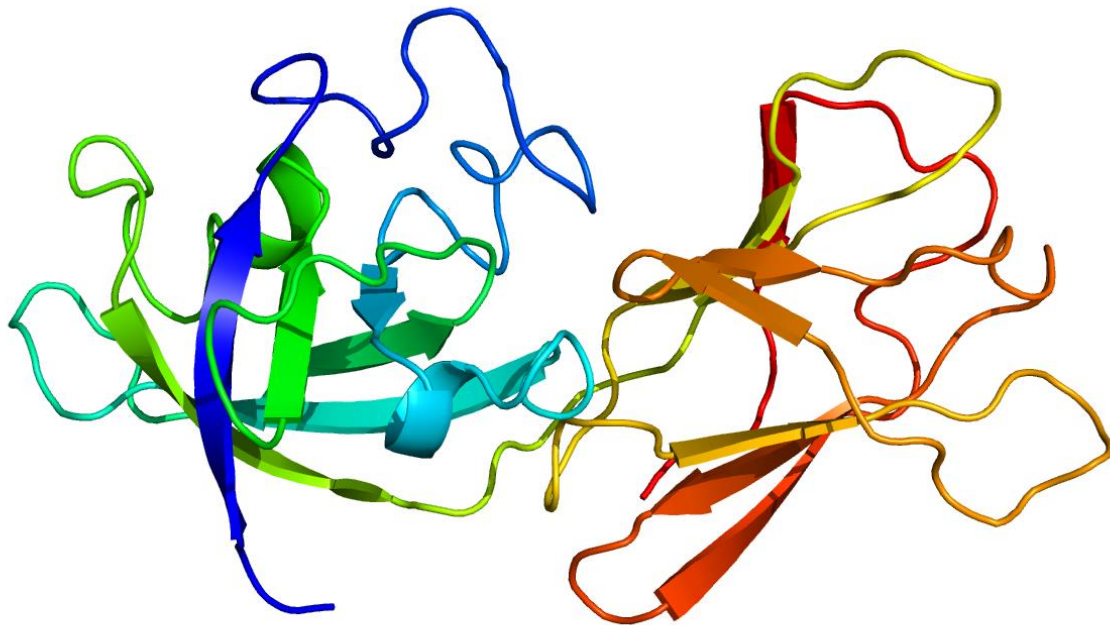
Locus: Misin02G289500

Gene Model: Misin02G289500.1.p

Description: McsEXPA-17

Family: Alpha Expansin

3D structure:



GENOME DATABASES

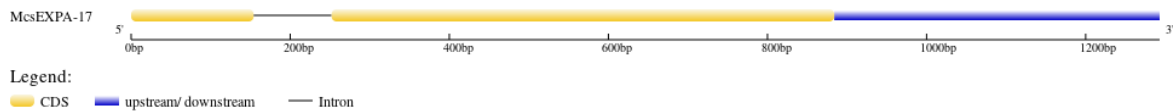
Phytozome: https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1

KEGG:-

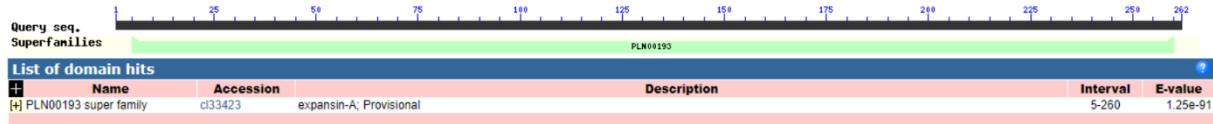
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>McsEXPA-17

MASPSTGTAFLLALVTIALLLCAATTANARFTAMQWTPAHATFYGDETAETMGGACG
YGNLYATGYGTDTAALSTTLFKDGHGCGTCYQIRCTGSPWCYSGSPVITVTATNLCP
PNWAQDSNNGGWCNPPRTHFDLSKPAFMKMAQWRAGIVPVMYRRVPCVRRGGLR
FALQGNPYWLLAYVMNVGGAGDVVEMWVKTGAACAWIRMSHNWGAAAYQAFQAQ
LGGQALSFKVTSYTTRQTIVSTNVAPANWCLGLTYQAGVNFS*

CDS (coding sequence)

>McsEXPA-17

ATGGCTTCTCCCTCCACAGGCACAGCCTTCTTGGCCCTTGTCACCATCGCTTTGCT
ATGTGCGGCCACTACGGCGAACGCGCGGTTACGGCGATGCAGTGGACTCCGGC
GCACGCCACGTTCTACGGCGACGAGACCGCAGCGGAGACCATGGGCGGGGCGTG
CGGGTATGGCAACCTGTACGCGACCGGGTACGGCACGGACACGGCGGGCGCTGAG
CACGACGCTGTTCAAGGACGGGCACGGGTGCGGGACGTGCTACCAGATCCGGTG
CACGGGGTCCCCCTGGTGCTACAGCGGCTCGCCGGTGATCACGGTGACGGCCACC
AACCTGTGCCCCGCCAACTGGGCGCAGGACTCCAACAACGGCGGGTGGTGCAAC
CCGCCCCGCACCCACTTCGACCTCTCCAAGCCGGCCTTCATGAAGATGGCGCAGT
GGCGCGCGGCATCGTGCCCGTCATGTACCGCCGGGTGCCCTGCGTGCGCAGGGG
CGGCCTCCGCTTCGCGCTCCAGGGGAACCCCTACTGGCTGCTGGCCTACGTGATG
AACGTCGGCGGCCGCGGCGACGTCGTCGAGATGTGGGTCAAGACCGGCGCCGCG
TGCGCGTGGATACGGATGAGCCATAACTGGGGCGCCGCGTACCAGGCGTTCCGCG
CAGCTCGGCGGCCAGGCGCTCAGCTTCAAGGTCACCTCCTACACCACCCGGCAGA
CCATCGTCTCCACCAACGTCGCGCCGGCCAACCTGGTGCCTCGGGCTCACGTACCA
GGCCGGCGTGAACCTTCTCCTGA

Nucleotide

>McsEXPA-17

ATGGCTTCTCCCTCCACAGGCACAGCCTTCTTGGCCCTTGTCACCATCGCTTTGCT
ATGTGCGGCCACTACGGCGAACGCGCGGTTACGGCGATGCAGTGGACTCCGGC
GCACGCCACGTTCTACGGCGACGAGACCGCAGCGGAGACCATGGGTACGTTGCT
CACATCGCGGCCGGCATTGCACTGCCACGCTCGTTTCTTCCATTTTGTGTCATT
TCTTTACGGGCGGGGGGACGTTTTCCACAGGCGGGGGCGTGCGGGTATGGCAAC

CTGTACGCGACCGGGTACGGCACGGACACGGCGGGCGCTGAGCACGACGCTGTTT
AAGGACGGGCACGGGTGCGGGACGTGCTACCAGATCCGGTGCACGGGGTCCCC
TGGTGCTACAGCGGCTCGCCGGTGATCACGGTGACGGCCACCAACCTGTGCCCGC
CCAACCTGGGCGCAGGACTCCAACAACGGCGGGTGGTGCAACCCGCCCGCACCC
ACTTCGACCTCTCCAAGCCGGCCTTCATGAAGATGGCGCAGTGGCGCGCGGGCAT
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GCGCTCCAGGGGAACCCCTACTGGCTGCTGGCCTACGTGATGAACGTCGGCGGGCG
CCGGCGACGTCGTCGAGATGTGGGTCAAGACCGGCGCCGCGTGCGCGTGGATAC
GGATGAGCCATAACTGGGGCGCCGCGTACCAGGCGTTCGCGCAGCTCGGCGGCC
AGGCGCTCAGCTTCAAGGTCACCTCCTACACCACCCGGCAGACCATCGTCTCCAC
CAACGTCGCGCCGGCCAACCTGGTGCCTCGGGCTCACGTACCAGGCCGGCGTGAAC
TTCTCCTGAGAGCGAGGCCAACAGATCACGCCGTTTTGCGACTGAAGCTGTAGGG
GCTGTCAACGCTCTGCTCTGTTTTCTGCTCTGCTTTCGTAGTTTTAGCCCTTGT
TTCGCGAATTTTGGATTTTGGGGCTAGCACCTTCGTTTTTATTTGGTAAATAGTGT
CCAAATATTGACTAATTAGGCTTAAAACGTTTCGTCTCGCAATTTCCCACCAA
ACTGTGCAATTAGTTTTTCTTTTCGTCTACATTTAATGCTCCATGCACGGGCCG
CAAACATTCGATGTGACAGGTACTGTAGCAACTTTTTGGATTTTGGGGTCCA
ACTAAACAAGGGCTCATTTCAAAAATCGTAGGAGTTAGGACTTGCTTCCGTAG
TTTCATTTTTCACTCGAAGTCGAAGAGCGAGCACGTCTTGT