

IDENTIFICATION

Species: *Miscanthus sinensis*

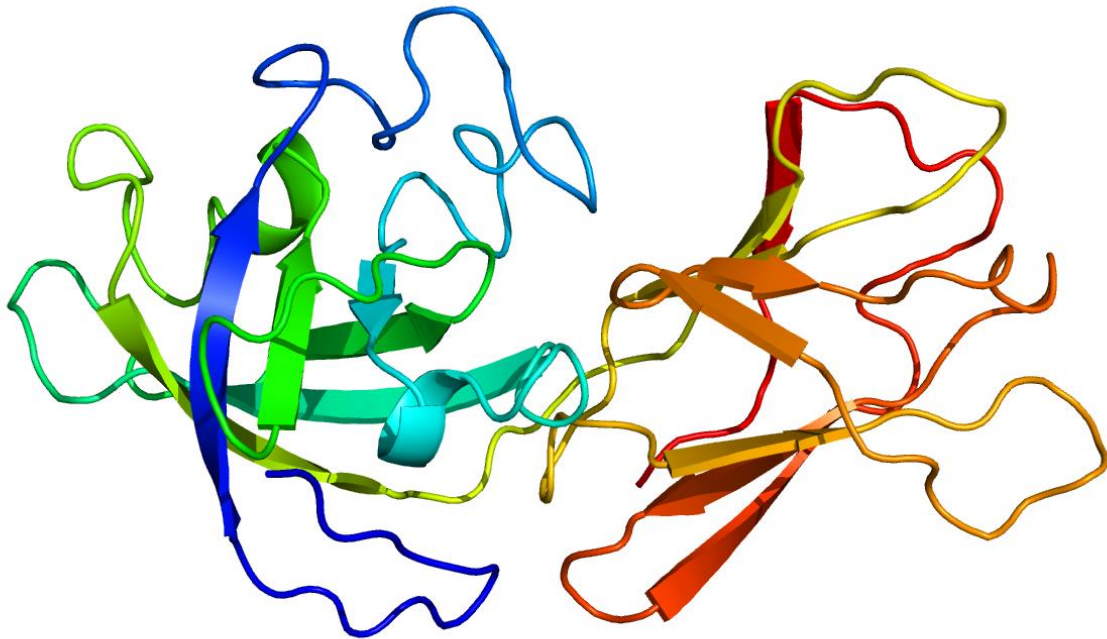
Locus: Misin01G297200

Gene Model: Misin01G297200.1.p

Description: McsEXPA-06

Family: Alpha Expansin

3D structure:



GENOME DATABASES

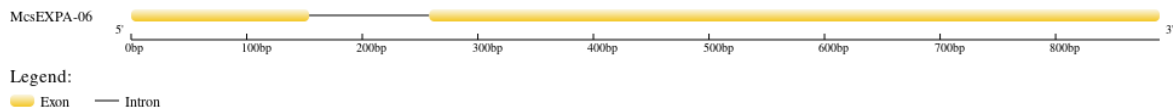
Phytozome: https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1

KEGG:-

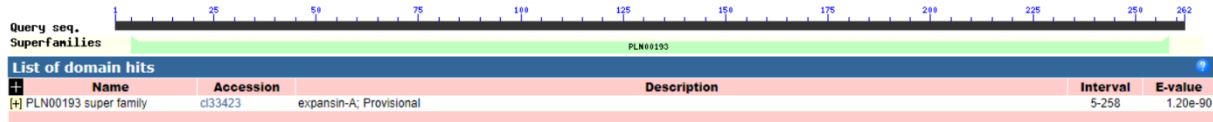
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>McsEXPA-06

MASPSTGTAFLALVIALLC AATTANARFRAMQWTPAHATFYGDETA AETMGGACG
YGNLYATGYGTDTAALSTTLFKDGYGCGTCYQIRCTGSPWCYSGSPVITVTGTLNCP
PNWAQDSNNGGW CNPPRTHFDLSKPAFMKMAQWRAGIVPVMYRRVPCVRRGGLR
FALQGNPYWLLAYVMNVGGAGDVVEMWVKTGASCAWIRMSHNWGAAYQAFACL
GGQALSFKVTSYTTRQTIVATDVAPANWCLGLTYEARVNLS*

CDS (coding sequence)

>McsEXPA-06

ATGGCTTCTCCCTCCACAGGCACAGCCTTCTTGGCCCTTGTCATCATCGCCTTGCT
ATGTGCGGCCACCACGGCGAACGCGAGGTTTCAGGGCGATGCAGTGGACGCCGGC
GCACGCCACGTTCTACGGCGACGAGACCGCAGCGGAGACCATGGGTGGGGCGTG
CGGGTACGGCAACCTGTACGCGACCGGGTACGGCACTGACACGGCGGGCGCTGAG
CACGACGCTGTTCAAGGACGGGTACGGGTGCGGGACGTGCTACCAGATCCGGTG
CACGGGGTCCCCCTGGTGCTACAGCGGCTCGCCGGTGATCACGGTGACGGGCACC
AACCTGTGCCCCGCCAACTGGGCGCAGGACTCCAACAACGGCGGGTGGTGCAAC
CCGCCCCGCACCCACTTCGACCTCTCCAAGCCGGCCTTCATGAAGATGGCGCAGT
GGCGCGCGGGC ATCGTGCCCGTCATGTACCGCCGGGTGCCCTGCGTGCGCAGGGG
CGGCCTCCGCTTCGCGCTCCAGGGGAACCCCTACTGGCTGCTGGCGTACGTGATG
AACGTGCGCGGGCGCCGGCGACGTCGTCGAGATGTGGGTCAAGACCGGCGCCTCC
TGCGCGTGGATACGGATGAGCCATAACTGGGGCGCCGCGTACCAGGCGTTCCGCG
CAGCTCGGAGGTCAGGCGCTCAGCTTCAAGGTCACCTCCTACACCACCCGGCAGA
CCATCGTCGCCACCGACGTCGCGCCGGCCA ACTGGTGCCCTCGGGCTCACGTACGA
GGCCCCGCGTGA ACTTGTCCTGA

Nucleotide

>McsEXPA-06

ATGGCTTCTCCCTCCACAGGCACAGCCTTCTTGGCCCTTGTCATCATCGCCTTGCT
ATGTGCGGCCACCACGGCGAACGCGAGGTTTCAGGGCGATGCAGTGGACGCCGGC
GCACGCCACGTTCTACGGCGACGAGACCGCAGCGGAGACCATGGGTACGTTGCT
CACATCGCGGCCGGCATTGCACTGCCACGCTCGTTTCTTGGCATGCATTTGTC
ATTTCTTTACGGCCGGGGCGCCCGACGGTTTCCACAGGTGGGGCGTGCGGGTAC

GGCAACCTGTACGCGACCGGGTACGGCACTGACACGGCGGGCGCTGAGCACGACG
CTGTTCAAGGACGGGTACGGGTGCGGGACGTGCTACCAGATCCGGTGCACGGGG
TCCCCCTGGTGCTACAGCGGCTCGCCGGTGATCACGGTGACGGGCACCAACCTGT
GCCCCCCAACTGGGCGCAGGACTCCAACAACGGCGGGTGGTGCAACCCGCCCC
GCACCCACTTCGACCTCTCCAAGCCGGCCTTCATGAAGATGGCGCAGTGGCGCGC
GGGCATCGTGCCCGTCATGTACCGCCGGGTGCCCTGCGTGCGCAGGGGCGGCCTC
CGCTTCGCGCTCCAGGGGAACCCCTACTGGCTGCTGGCGTACGTGATGAACGTCG
GCGGCGCCGGCGACGTCGTCGAGATGTGGGTCAAGACCGGCGCCTCCTGCGCGT
GGATACGGATGAGCCATAACTGGGGCGCCGCGTACCAGGCGTTCGCGCAGCTCG
GAGGTCAGGCGCTCAGCTTCAAGGTCACCTCCTACACCACCCGGCAGACCATCGT
CGCCACCGACGTCGCGCCGGCCAACCTGGTGCCTCGGGCTCACGTACGAGGCCCGC
GTGAACTTGTCCTGA