

IDENTIFICATION

Species: *Miscanthus sinensis*

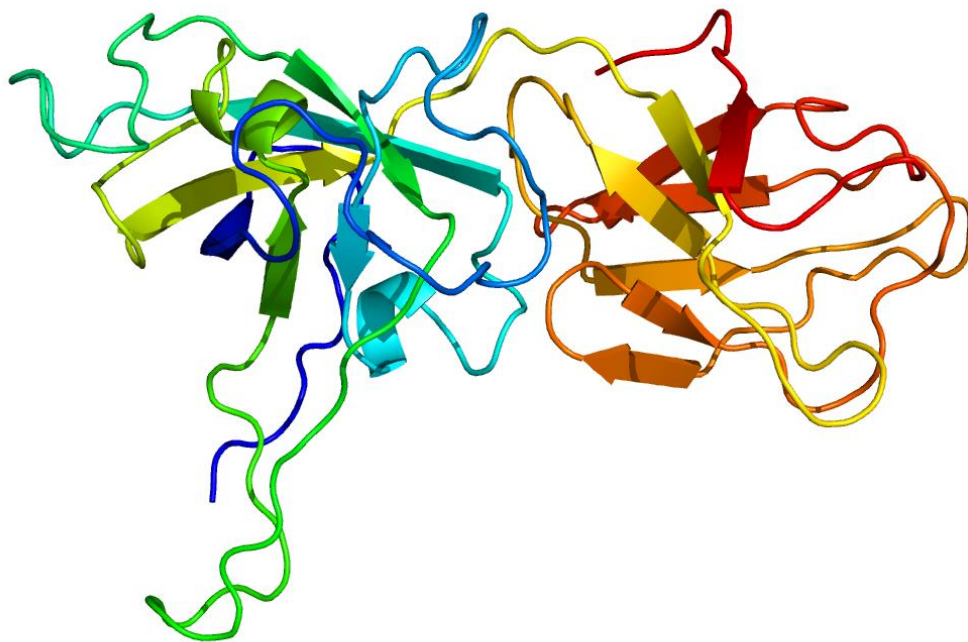
Locus: Misin18G269900

Gene Model: Misin18G269900.1.p

Description: McsEXPA-58

Family: Alpha Expansin

3D structure:



GENOME DATABASES

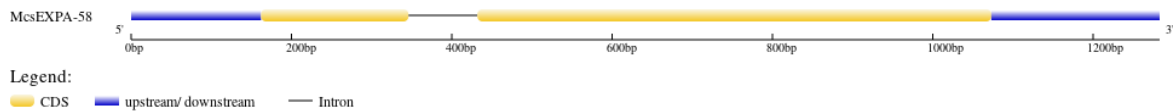
Phytozome: https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1

KEGG:-

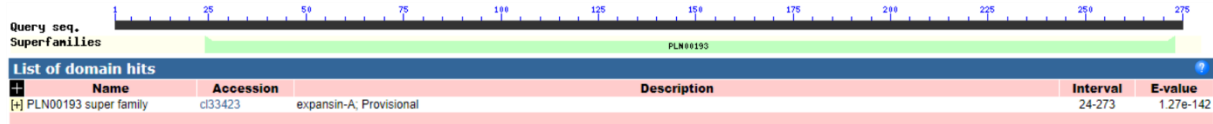
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>McsEXPA-58

MARGYSYGYGYGYSHLQAAAAAALVVGWALAVASPAGAFAPSAWSKGSATFYGG
SDASGTMGGACGYGNLYAQGYGTRTAALSTALFNDGASCGQCYRLVCDAATDPRW
CRRGRGASVTVTATNFCPPNYALPSDDSGWCNPPRQHFDMAQPAWERIGVYQGGIV
PVLFRRVSCRRRGGVRFVTSGRDYFELVLVTNVAGAGAVRAMDVRGTRTAGWMPM
SRNWGANWQSLAYLNGKGLSFRVTADDGQTVVFADVVPASWTFGQTYASRLQFK*

CDS (coding sequence)

>McsEXPA-58

ATGGCGCGTGGTTACAGTTACGGTTATGGTTACGGTTACAGCCACCTGCAGGCCG
CCGCAGCCGCCGCGCTGGTGGTCGGCTGGGCGCTGGCCGTCGCATCGCCGGCCGG
GGCGTTCGCGCCGTCCGCCTGGAGCAAGGGCAGCGCCACGTTCTACGGTGGCAGC
GACGCGTCCGGCACCATGGGCGGCGCGTGCGGGTACGGGAACCTGTACGCGCAG
GGGTACGGGACGCGGACGGCGGCGCTAAGCACGGCGCTGTTCAACGACGGCGCG
TCGTGCGGGCAGTGCTACAGGCTGGTCTGCGACGCCGCCACGGACCCGCGGTGGT
GCCGCCGTGGCCGCGGCGCCTCCGTGACCGTGACGGCGACCAACTTCTGCCCGCC
CAACTACGCGCTGCCGTCCGACGACAGCGGGTGGTGCAACCCGCCGCGGCAGCA
CTTCGACATGGCGCAGCCGGCGTGGGAGCGGATCGGTGTCTACCAGGGCGGGAT
CGTGCCCGTGTGTTCCGCCGCGTGTCTGCAGGCGCCGCGGGCGGGGTGCGGTTC
ACGGTCAGCGGCCGGGACTACTTCGAGCTGGTGTGCTGCTACCAACGTGGCGGGC
GCCGGCGCCGTGCGGGCTATGGACGTCAGGGGCACCCGAACCGCCGGCTGGATG
CCCATGTCCAGGAACCTGGGGCGCCAACCTGGCAGTCCCTGGCGTACCTCAACGGGA
AGGGGCTCTCGTTCGGGGTCACTGCCGATGATGGGCAGACCGTTCGTGTTCCGCCA
CGTCGTGCCGGCGTTCGTGGACGTTCCGGGCAGACGTACGCGAGCAGGCTGCAGTTC
AAATAG

Nucleotide

>McsEXPA-58

ATATATACACGGCCCGGCTTATCGCATTCTCAGCTGCGCTTGCACGGCTCCTTGGC
TCAGTGCTACCGCCGCTAGCTTCGTCTGTGTACAGACAGACCACCGGAGGT
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GCGTGGTTACAGTTACGGTTATGGTTACGGTTACAGCCACCTGCAGGCCCGCCGCA

GCCGCCGCGCTGGTGGTCGGCTGGGCGCTGGCCGTCGCATCGCCGGCCGGGGCGT
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CGTCCGGCACCATGGGTACGTTACGTATGCATGTAAAAGGTTCAATCTCTTCGTCT
CCATCGTGAATCGTGACGACTGACACAACGTGTGCACGCATGCAGGCCGGCGCGT
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GTGACGGCGACCAACTTCTGCCCCGCCAACTACGCGCTGCCGTCCGGACGACAGCG
GGTGGTGCAACCCGCCGCGGCAGCACTTCGACATGGCGCAGCCGGCGTGGGAGC
GGATCGGTGTCTACCAGGGCGGGATCGTGCCCGTGCTGTTCCGCCGCGTGTCTG
CAGGCGCCGCGGGCGGGGTGCGGTTACGGTCAGCGGCCGGGACTACTTCGAGCT
GGTGCTGGTCACCAACGTGGCGGGCGCCGGCGCCGTGCGGGCTATGGACGTCAG
GGGCACCCGAACCGCCGGCTGGATGCCCATGTCCAGGAACTGGGGCGCCAACTG
GCAGTCCCTGGCGTACCTCAACGGGAAGGGGCTCTCGTTCCGGGTCACTGCCGAT
GATGGGCAGACCGTCGTGTTCCGCCGACGTCGTGCCGGCGTTCGTGGACGTTCCGGC
AGACGTACGCGAGCAGGCTGCAGTTCAAATAGACTAAGGGCGCGGCCACGTGGG
CTGGGCCGAGTTGAAGTCGTCGGCCGTGGCGTGCTTTGCTGGTGGGTCTCTGTCA
GTTTAGCTGCCCGCCTACGCGTGCTCGGCCAGCCACTATCGCTGCTTGTAATGTC
TGCGTTGCCGGCCCTTTTTTTTTCTTCATTGTGTGTATCGGATGATGCGTATCATAT
CAGTGCTACGAACTTGGTAA