

IDENTIFICATION

Species: *Miscanthus sinensis*

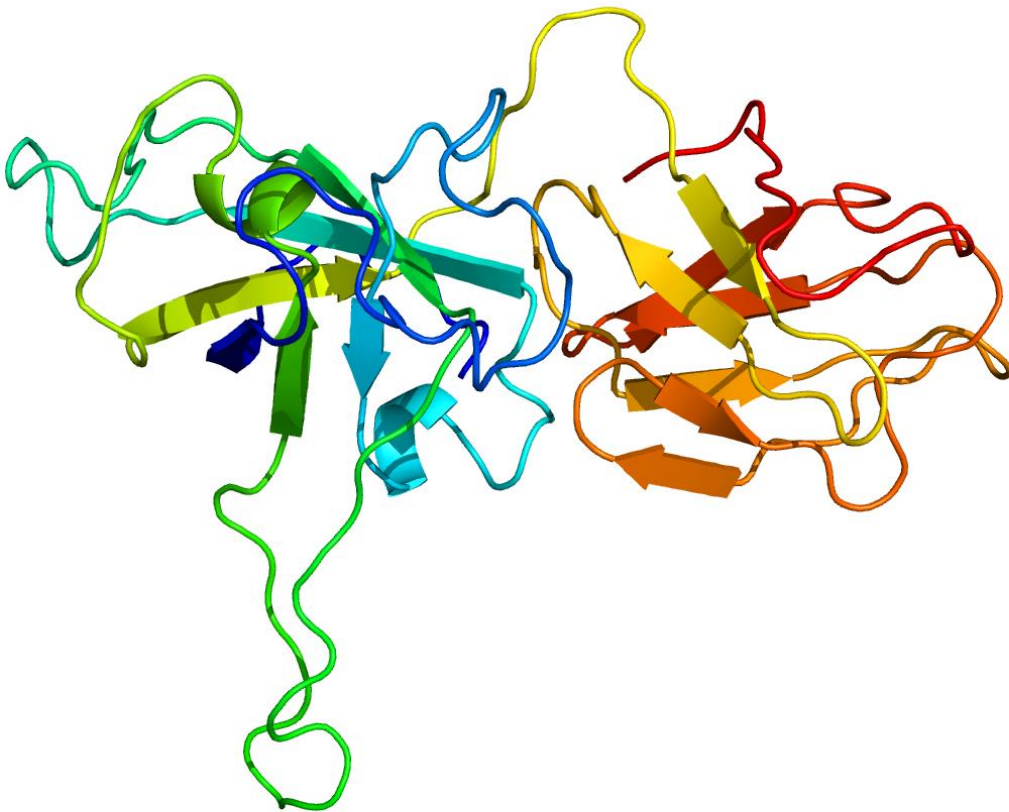
Locus: Misin02G471000

Gene Model: Misin02G471000.1.p

Description: McsEXPA-20

Family: Alpha Expansin

3D structure:



GENOME DATABASES

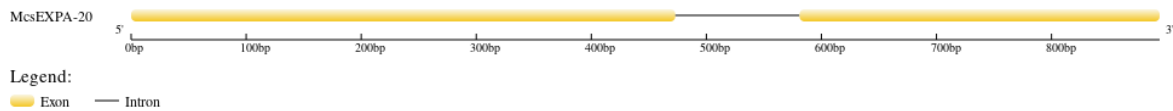
Phytozome: https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1

KEGG:-

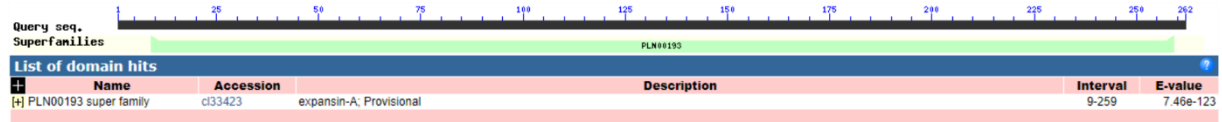
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>McsEXPA-20

MEMHRPLRFQLLIIIAAAWPLVPAAAADDSGWSKGTATFYGGGDASGTMGGACG
YGNLYWSGYGTDTAALSSALFNDAACGECYRVTCDDGASQWCLPGRKSVTVTAT
NLCPPNHELSGDDGGWCNPPRRHFDMAQPAWLQIAQYKGGIVPVLYQRTACVKQG
GVRFTVTGSNYFVLVLITNVAGSGSVKAVVWVWKSATDRMPMARNWGANWQSLAG
LAGQALTFGVSTSDGRTVVVDPVVPAAWVKFGQSFSSGVQFPI*

CDS (coding sequence)

>McsEXPA-20

ATGGAGATGCACAGACCACTGCGCTTCCAGTTGCTCATCATCATCGCCGCCGCGG
CGTGGCCGTTGGTGCCAGCGGCGGCGGCGGATGACAGCGGGTGGTTCGAAGGGCA
CGGCGACGTTCTACGGCGGGGGCGACGCCTCCGGCACGATGGGCGGCGCGTGCG
GATACGGGAACCTGTACTGGTCCGGGTACGGGACGGACACGGCGGCGCTGAGCT
CGGCGCTGTTCAACGACGGCGCGGCGTGCGGGGAGTGCTACCGGGTCACGTGTG
ACGACGGCGCGTCCCAGTGGTGCCTGCCGGGGAGGAAGTCGGTGACCGTCACGG
CCACCAACCTGTGCCCCGCCAACCACGAGCTCTCCGGTGACGACGGCGGCTGGTG
CAACCCGCCCGCCGCCACTTCGACATGGCCAGCCTGCCTGGCTCCAGATCGCC
CAGTACAAGGGCGGCATCGTGCCGGTGCTCTACCAGAGGACGGCGTGCGTGAAG
CAGGGAGGGGTGCGGTTACGGTGACCGGCTCCAACACTTCGTGCTGGTGCTCA
TCACCAACGTCGCCGGCAGCGGGTCCGGTGAAGGCGGTGTGGGTGAAGGGGAGCG
CCACGGACAGGATGCCCATGGCCAGGAAGTGGGGCGCCAACTGGCAGTCGCTCG
CGGGGCTCGCCGGCCAGGCGCTCACCTTCGGCGTACCTCCACCGATGGCCGCAC
CGTCGTGTCGCCGACGTCGTGCCGGCCTGGTGGAAGTTCGGGCAGTCCTTCTCT
CCGGCGTCCAGTTCATCTGA

Nucleotide

>McsEXPA-20

ATGGAGATGCACAGACCACTGCGCTTCCAGTTGCTCATCATCATCGCCGCCGCGG
CGTGGCCGTTGGTGCCAGCGGCGGCGGCGGATGACAGCGGGTGGTTCGAAGGGCA
CGGCGACGTTCTACGGCGGGGGCGACGCCTCCGGCACGATGGGCGGCGCGTGCG
GATACGGGAACCTGTACTGGTCCGGGTACGGGACGGACACGGCGGCGCTGAGCT
CGGCGCTGTTCAACGACGGCGCGGCGTGCGGGGAGTGCTACCGGGTCACGTGTG

ACGACGGCGCGTCCCAGTGGTGCCTGCCGGGGAGGAAGTCGGTGACCGTCACGG
CCACCAACCTGTGCCCGCCCAACCACGAGCTCTCCGGTGACGACGGCGGCTGGTG
CAACCCGCCCCGCCGCACTTCGACATGGCCCAGCCTGCCTGGCTCCAGATCGCC
CAGTACAAGGGCGGCATCGTGCCGGTGCTCTACCAGAGGTACGTGTAGTTTGT
TTATTACTTGGATGGTTTGACTTCAGGAAAGAAAAAAATCTCGTGTACGTGTCTGA
TACTCTGATGGTGTGTGTGTTGTTGTGCCTGCGTAGGACGGCGTGCGTGAAGCAG
GGAGGGGTGCGGTTACGGTGACCGGCTCCA ACTACTTCGTGCTGGTGCTCATCA
CCAACGTCGCCGGCAGCGGGTCGGTGAAGGCGGTGTGGGTGAAGGGGAGCGCCA
CGGACAGGATGCCCATGGCCAGGAACTGGGGCGCCAACTGGCAGTCGCTCGCGG
GGCTCGCCGGCCAGGCGCTCACCTTCGGCGTCACCTCCACCGATGGCCGCACCGT
CGTCGTCCCCGACGTCGTGCCGGCCTGGTGGAAGTTCGGGCAGTCCTTCTCCTCC
GGCGTCCAGTTCCCCATCTGA