

IDENTIFICATION

Species: *Miscanthus sinensis*

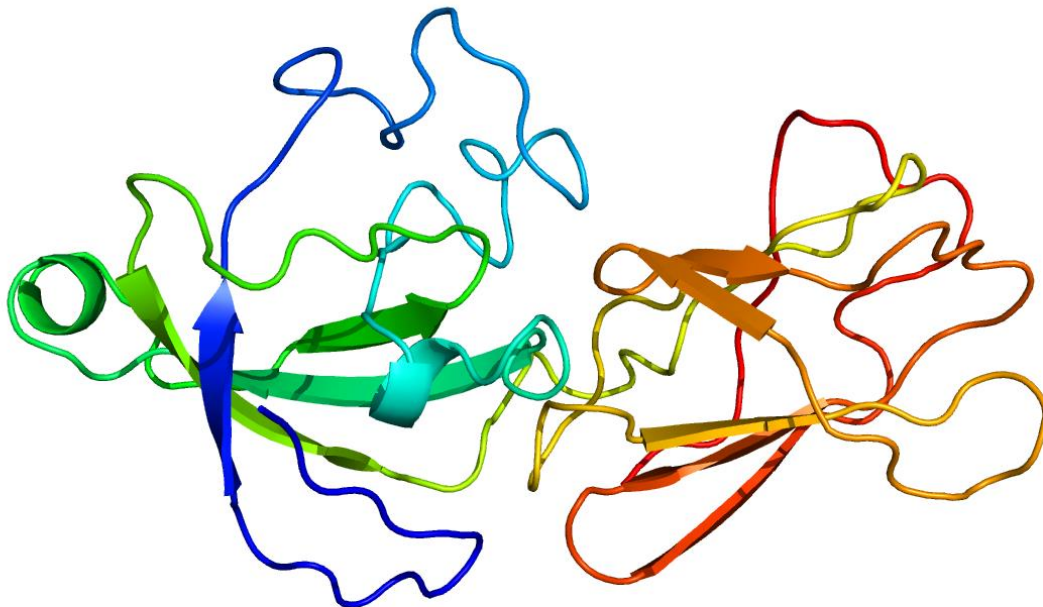
Locus: Misin02G014000

Gene Model: Misin02G014000.1.p

Description: McsEXPA-09

Family: Alpha Expansin

3D structure:



GENOME DATABASES

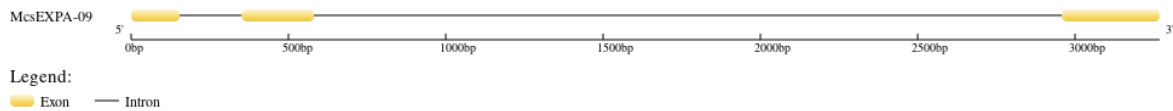
Phytozome: https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1

KEGG:-

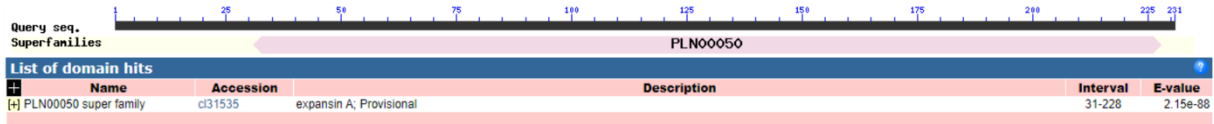
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>McsEXPA-09

MAAMPALPLLLAAAMMLSPAARIPGVYGGGSWQSAHATFYGGSDASGTMGGAC
GYGNLYSQGYGVNNAALSTALFNEGLSCGACFEIKCENQPGWRWCRPGSPSILVTAT
NFCPPNYALPSDDGGWVPCRKSGGVRFINGFRYFNLVLITNVAGAGDIVRASVKAS
STGWLPMsrnwGQNWQSNsilVGQALSFRVTGSDRRTSTSWNAAPRNWQFGQTFE
GKNFRV*

CDS (coding sequence)

>McsEXPA-09

ATGGCGGCAATGCCGGCGCTGCCGCTGCTGCTGCTGGCCGCGGCGATGATGCTCT
CCCCCGCCGCCGCCCGCATTCCCGGCGTGTACGGCGGCGGCAGCTGGCAGAGCGC
GCACGCCACGTTCTACGGCGGCAGCGACGCCTCGGGCACCATGGGCGGCGCGTG
CGGGTACGGCAACCTGTACAGCCAGGGGTACGGCGTGAACAACGCGGCGCTGAG
CACGGCGCTGTTCAACGAGGGGCTGAGCTGCGGCGCGTGCTTCGAGATCAAGTGC
GAGAACCAGCCC GGGTGGCGGTGGTGCCGCCCGGGAGCCCCCTCCATCCTGGTG
ACGGCCACCAACTTCTGCCCGCCAACTACGCGCTCCCCTCCGACGACGGCGGCT
GGGTGCCATGCCGGAAGTCGGGCGGCGTTCGGTTCACCATCAACGGCTTCCGGTA
CTTCAACCTGGTGCTGATACCAACGTGGCCGGCGCGGGTGACATCGTGCGCGCG
AGCGTGAAGGCGTCCAGCACCGGGTGGCTGCCATGTCCCGGAACTGGGGCCAG
AACTGGCAGTCCAACCTCCATCCTCGTCGGCCAGGCGCTCTCCTTCCGCGTCACCG
GCAGCGACCGCCGCACCTCCACCTCCTGGAACGCCGCCCGCGCAACTGGCAGTT
CGGCCAGACCTTCGAGGGCAAGAACTTCAGGGTCTGA

Nucleotide

>McsEXPA-09

ATGGCGGCAATGCCGGCGCTGCCGCTGCTGCTGCTGGCCGCGGCGATGATGCTCT
CCCCCGCCGCCGCCCGCATTCCCGGCGTGTACGGCGGCGGCAGCTGGCAGAGCGC
GCACGCCACGTTCTACGGCGGCAGCGACGCCTCGGGCACCATGGGTACGTTGTT
ACATACTCCTACGTCCGGGCTGGCTGGTCTGGTCTGGCCGACGCCGCGTACCCTTT
TCCCTTCTTCTTGGTCTTGGTCTGCTGCTGCGGTCGATCTCATTCTCATCTCATGA
ATGAGAAACGAACGGGAAAATGGCTAAGAACTGAAAGAAACGTGTGCCGTTTAC
GGCGGCGGTTCGGTCTTGCAGGCGGCGCGTGCGGGTACGGCAACCTGTACAGCCA

AGGGTGCCATGCCGGAAGTCGGGCGGCGTTCGGTTCACCATCAACGGCTTCCGGT
ACTTCAACCTGGTGCTGATCACCAACGTGGCCGGCGCGGGTGACATCGTGCGCGC
GAGCGTGAAGGCGTCCAGCACCGGGTGGCTGCCCATGTCCCGGAACTGGGGCCA
GAACTGGCAGTCCAACCTCCATCCTCGTCGGCCAGGCGCTCTCCTTCCGCGTCACC
GGCAGCGACCGCCGCACCTCCACCTCCTGGAACGCCGCCCGCGCAACTGGCAGT
TCGGCCAGACCTTCGAGGGCAAGAACTTCAGGGTCTGA