

IDENTIFICATION

Species: *Miscanthus sinensis*

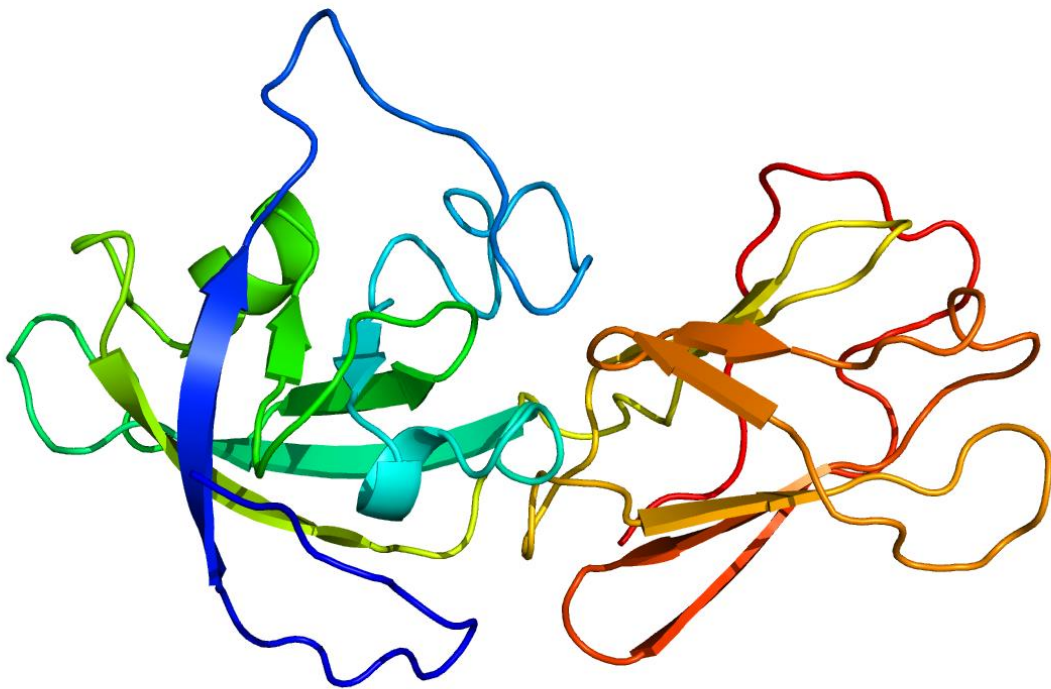
Locus: Misin12G191700

Gene Model: Misin12G191700.1.p

Description: McsEXPA-52

Family: Alpha Expansin

3D structure:



GENOME DATABASES

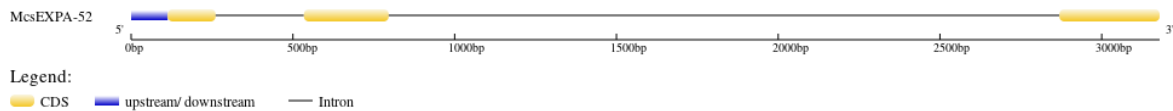
Phytozome: https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1

KEGG:-

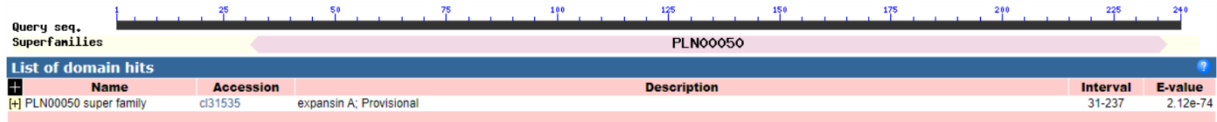
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>McsEXPA-52

MAPPLLLFLLLLPALAAGHQHPSSYGSSALSEWRPAKASYAADPEDAIGGACGFGD
LGKHGYGMATVGLSTALFERGTACGGCYEVKCVEDLKYCLPGTSIVVTATNFCAPN
YGLPADAGGHCNPPNHFFLLPIQSVKCLREGGVRFVSVNGRHHFFFTVLISNVGGAGDV
TSVKIKGTELGWLSMGRNWGQVWHINCDMRGQPLSFELSSSDGKTLTSFNVVPKDW
EYGKTYTGKQFLL*

CDS (coding sequence)

>McsEXPA-52

ATGGCTCCGCCGCTCCTGCTCTTCCTCCTCCTCCTCCCGCCCTCGCCGCCGGACA
CCAGCACCCGTCCTCCTACGGCTCCTCCGCGCTCCTCCGAGTGGCGCCCCGCCAAG
GCATCCTACTACGCCGCCGACCCCGAAGACGCCATCGGTGGGGCGTGCGGGTTCG
GGGATCTGGGGAAGCACGGGTACGGGATGGCGACGGTGGGGCTGAGCACGGCGC
TGTTTCGAGCGCGGCACGGCGTGCGGCGGCTGCTATGAGGTCAAGTGCGTTCGAGG
ATCTCAAGTACTGCCTCCCCGGCACCTCCATCGTCGTCACGGCCACCAACTTCTGC
GCCCCAACTACGGCCTTCCC GCCGACGCCGGCGGCCACTGCAACCCGCCCAACC
ACCATTTCTCCTCCCATCCAGTCTGTAAAGTGCCTCCGTGAAGGTGGTGTGTCAGA
TTCTCTGTAAATGGTCGACACTTCTTCTTTACAGTCCTAATCAGCAATGTTGGTGG
CGCGGGTGATGTTACATCTGTGAAGATCAAAGGAACAGAGTTAGGATGGCTCTCA
ATGGGCCGCAATTGGGGCCAGGTGTGGCACATCAACTGTGACATGAGGGGACAA
CCTCTGTGCTTTGAGCTCAGCTCAAGCGATGGCAAGACGCTAACCAGTTTCAACG
TCGTGCCCAAGGATTGGGAGTATGGCAAGACATACACGGGGAAGCAGTTTCTTCT
GTAG

Nucleotide

>McsEXPA-52

TGAAAGCACCACTTGCAGAGTTCCTCCTCAGTCCACCCACTCCCCAGCTTCCT
CCTCAGTCCACACTTGCAGAGTACCACACCCGGCACCGGCAGCGAGCAGTCGGGA
GCCATGGCTCCGCCGCTCCTGCTCTTCCTCCTCCTCCTCCCGGCCCTCGCCGCCGG
ACACCAGCACCCGTCCTCCTACGGCTCCTCCGCGCTCCTCCGAGTGGCGCCCCGCC
AAGGCATCCTACTACGCCGCCGACCCCGAAGACGCCATCGGTACGCTTCCAGACT
TGCTGCCTCATTATTGTTTCATCCATCAACCGCAATTCTGCCAGCCGACCTTG

CTCTGTTAATGGTCGACACTTCTTCTTTACAGTCCTAATCAGCAATGTTGGTGGCG
CGGGTGATGTTACATCTGTGAAGATCAAAGGAACAGAGTTAGGATGGCTCTCAAT
GGGCCGCAATTGGGGCCAGGTGTGGCACATCAACTGTGACATGAGGGGACAACC
TCTGTCGTTTGAGCTCAGCTCAAGCGATGGCAAGACGCTAACCAGTTTCAACGTC
GTGCCCAAGGATTGGGAGTATGGCAAGACATACACGGGGAAGCAGTTTCTTCTGT
AG