

IDENTIFICATION

Species: *Miscanthus sinensis*

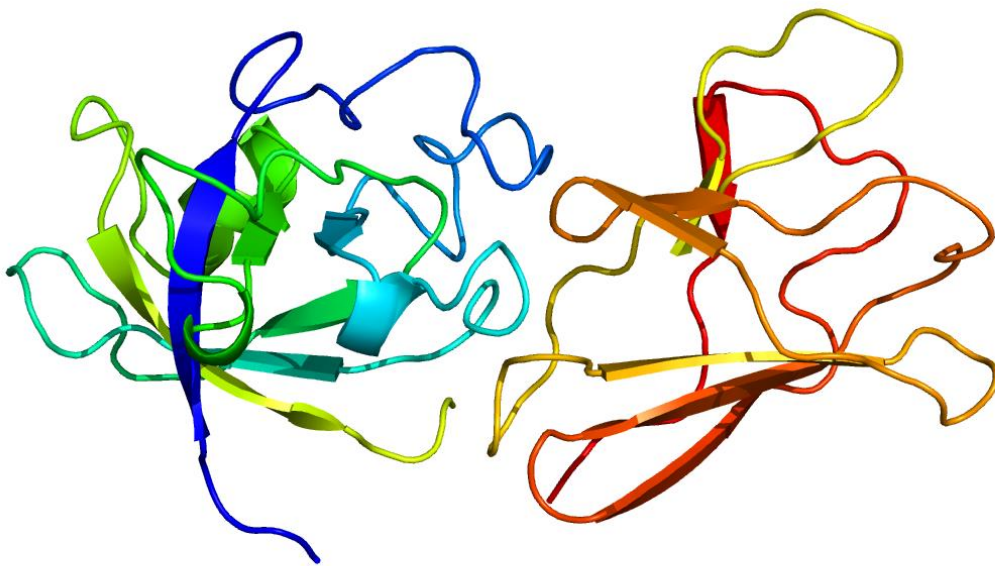
Locus: Misin06G093200

Gene Model: Misin06G093200.1.p

Description: McsEXPA-30

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

EXTERNAL RESOURCES

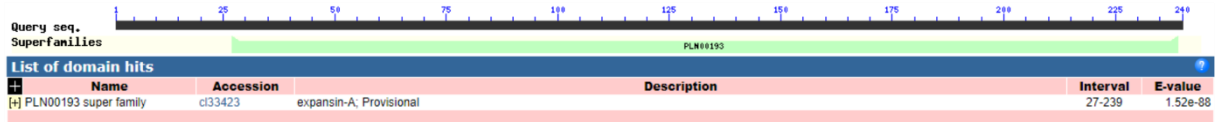
<https://grass-genome-hub.southgreen.fr/Genomeassembly/47213>

GENE STRUCTURE



Legend:
Exon — Intron

DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>McsEXPA-30

MDQMAMLLLLLSLYASRLDGAAAQQYWTPATATFYGGSVDASGTMGGSCGYGDL
YSAGYGTQTTALSTALYGDGASCACYLVSCDASRTQYCKPGSPSVTVNYGDPNGW
CNSPRQHFDMSQPAWETIGVYQAGIVPVNYRRRSGGIRFGISGHDYFELVTITNVGGA
GAVAAAGIMGTGTDWLAMSRNWGENWQSGAYLTGKALSFKEQTDDGKVVVAYN
VAPANWQFGSTYQASVNFY*

CDS (coding sequence)

>McsEXPA-30

ATGGACCAGATGGCGATGCTACTTTTGTGCTGAGCTTGTACGCCTCTCGCCTTGA
CGGCGCAGCGGCGCAGCAGTACTGGACGCCGGCCACCGCGACGTTCTACGGCGG
GAGCGTCGACGCGTCCGGCACCATGGGCGGGTCGTGCGGGTACGGCGACCTGTA
CAGCGCCGGGTACGGGACGCAGACGACGGCGCTGAGCACGGCGCTCTACGGCGA
CGGCGCCTCCTGCGGTGCGTGCTACCTCGTCTCCTGCGACGCGTCGCGGACGCAG
TACTGCAAGCCGGGGTCGCCGTCCGTCACCGTCAACTACGGCGACCCCAACGGGT
GGTGCAACTCGCCGCGCAGCACTTCGACATGTCGCAGCCGGCCTGGGAGACCAT
CGGTGTGTACCAGGCCGGCATCGTCCCCGTCAACTACCGGAGGCGCTCCGGCGGG
ATCAGGTTCCGCATCAGCGGCCACGACTACTTCGAGCTCGTCACCATCACAAACG
TCGGCGGCCGCCGGCGCGGTGGCCGCGGCGGGGATCATGGGCACCGGCACGGACT
GGCTGGCGATGAGCCGCAACTGGGGGAGAACTGGCAGAGCGGGGCCTATCTCA
CTGAAAGGCCCTGTCTGTTCAAGGAGCAGACGGACGACGGCAAGGTCGTCTGG
CGTATAACGTGGCGCCGGCGAACTGGCAGTTCGGCAGCACCTACCAGGCCTCGGT
CAACTTCTACTAG

Nucleotide

>McsEXPA-30

ATGGACCAGATGGCGATGCTACTTTTGTGCTGAGCTTGTACGCCTCTCGCCTTGA
CGGCGCAGCGGCGCAGCAGTACTGGACGCCGGCCACCGCGACGTTCTACGGCGG
GAGCGTCGACGCGTCCGGCACCATGGGTAACACTGTCACCGACTTACCACCATTT
TCTTGCCAACTCCGATCCACGCGTTCGTTTCGTGCGCACTGATGCGCGTGTACTTGT
GTGCGCCGTGCGCATGCAGGCGGGTTCGTGCGGGTACGGCGACCTGTACAGCGCC
GGGTACGGGACGCAGACGACGGCGCTGAGCACGGCGCTCTACGGCGACGGCGCC

TCCTGCGGTGCGTGCTACCTCGTCTCCTGCGACGCGTCGCGGACGCAGTACTGCA
AGCCGGGGTCGCCGTCCGTCACCGTCAACTACGGCGACCCCAACGGGTGGTGCA
ACTCGCCGCGGCAGCACTTCGACATGTTCGCAGCCGGCCTGGGAGACCATCGGTGT
GTACCAGGCCGGCATCGTCCCCGTCAACTACCGGAGGGTCTCGTGACAGCGCTCC
GGCGGGATCAGGTTTCGGCATCAGCGGCCACGACTACTTCGAGCTCGTCACCATCA
CAAACGTCGGCGGGCGCCGGCGCGGTGGCCGCGGGCGGGGATCATGGGCACCGGCA
CGGACTGGCTGGCGATGAGCCGCAACTGGGGGGAGAACTGGCAGAGCGGGGCCT
ATCTCACTGGAAAGGCCCTGTCGTTCAAGGAGCAGACGGACGACGGCAAGGTCG
TCGTGGCGTATAACGTGGCGCCGGCGAACTGGCAGTTCGGCAGCACCTACCAGGC
CTCGGTCAACTTCTACTAG