

IDENTIFICATION

Species: *Miscanthus sinensis*

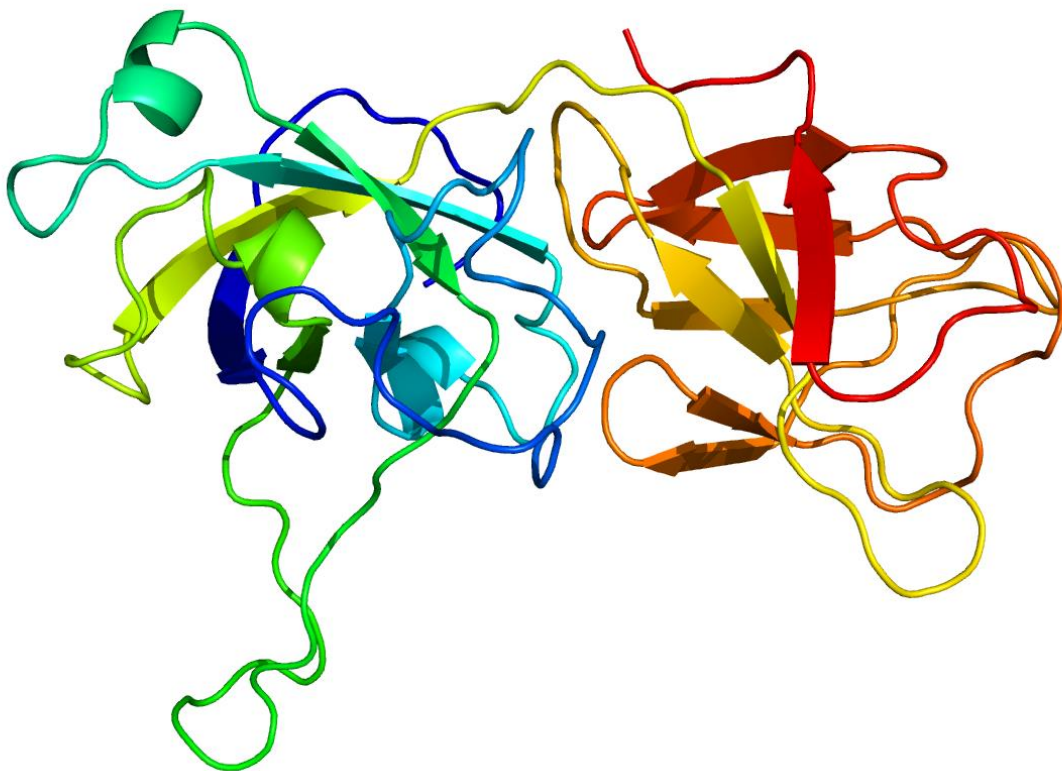
Locus: Misin01G478500

Gene Model: Misin01G478500.1.p

Description: McsEXPA-08

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

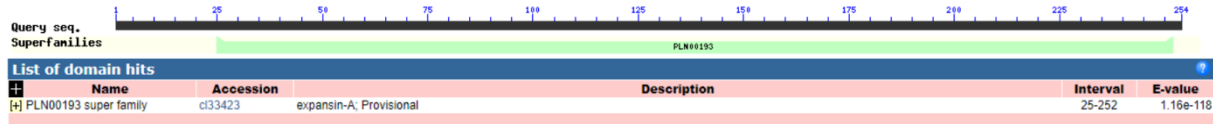
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>McsEXPA-08

MARKVDLCRLLVAAVAACLAATVRAGWLKGSATFYGGANAAGTMGGACGYGNL
YSAGYGTDTAALSSALFNNGAACGECYQVQCDQQNSRWCKPGVTVTATNLCPA
DYSQPSNDGGWCNPPRQHFDMSQPVWEKIGVYSGGIIPVFFQRVSCSRSGGVRFTING
NRYFKLVLIFNVAGPGSISAVLIKGSSTGWITMSRNWGANWQANSDLTTQISISFRVTA
TNGQFLEFYNVAGSNWQLGQFTFTNGQNFY*

CDS (coding sequence)

>McsEXPA-08

ATGGCGCGCAAGGTCGACCTGTGCCGCTGCTGGTGGCTGCCGTAGCAGCGTGCC
TCGCCGCGACGGTCCGGGCGGGGTGGCTGAAGGGCTCGGCGACGTTCTACGGCG
GGCCAACGCCGCCGGCACAATGGGTGGCGCGTGCGGGTACGGCAACCTGTACT
CGGCGGGGTACGGCACGGACACGGCGGGCGCTGAGCTCGGCGCTGTTCAACGGCG
GCGCGGCTTGCGGGGAGTGCTACCAGGTGCAGTGCACCAGCAGAACAGCCGGT
GGTGCAAGCCGGGCGTGACGGTGACCGTCACCGCCACCAACCTGTGCCCGGCCG
ACTACTCCCAGCCCAGCAACGACGGCGGCTGGTGCAACCCGCCGCGGCAGCACTT
CGACATGTCCCAGCCCGTCTGGGAGAAGATCGGCGTCTACAGCGGCGGCATCATC
CCGGTCTTCTTCCAGAGGGTGTCTGCTCCAGGAGCGGCGGGCGTGCCTTACCA
TCAACGGCAACAGGTAATCAAGCTGGTGCTCATCTTCAACGTGGCCGGGCGGG
GTCCATCAGCGCAGTGCTGATCAAGGGCTCATCCACGGGGTGGATCACCATGTCC
CGGAAC TGGGGCGCCA ACTGGCAGGCCAACAGCGACCTCACCACCCAGAGCATC
TCCTTCCGTGTCACCGCCACCAACGGCCAGTTCCTCGAGTTCTACAACGTCGCCG
GCTCCA ACTGGCAGCTGGGCCAGACCTTACCAACGGCCAAAATTTCTACTAG

Nucleotide

>McsEXPA-08

ATGGCGCGCAAGGTCGACCTGTGCCGCTGCTGGTGGCTGCCGTAGCAGCGTGCC
TCGCCGCGACGGTCCGGGCGGGGTGGCTGAAGGGCTCGGCGACGTTCTACGGCG
GGCCAACGCCGCCGGCACAATGGGTGAGTGATTATTGATCAATGCAAGGCCCG
GCCTTTTTGGTTGCAGTTCATATATAGTGAATGCATGCGATACAAGAGCTGAACA
GCATTGCGACGTATGTATGTGCAGGTGGCGCGTGCGGGTACGGCAACCTGTACTC
GGCGGGGTACGGCACGGACACGGCGGGCGCTGAGCTCGGCGCTGTTCAACGGCGG

CGCGGCTTGCGGGGAGTGCTACCAGGTGCAGTGCGACCAGCAGAACAGCCGGTG
GTGCAAGCCGGGCGTGACGGTGACCGTCACCGCCACCAACCTGTGCCCGGCCGA
CTACTCCCAGCCCAGCAACGACGGCGGCTGGTGCAACCCGCCGCGGCAGCACTTC
GACATGTCCCAGCCCGTCTGGGAGAAGATCGGGCGTCTACAGCGGCGGCATCATCC
CGGTCTTCTTCCAGAGGTACGTAACTGCTACTACCTGGTGCTACGAGCTAGCTAG
CTGCTCGTCGCTTCGACGGACGACTGATGACTGACATGGTACATGCATATTGCTT
ACTGCGCGCTGGCCCACGCTGCAGGGTGTCGTGCTCCAGGAGCGGCGGGCGTGCGC
TTCACCATCAACGGCAACAGGTACTTCAAGCTGGTGCTCATCTTCAACGTGGCCG
GGCCGGGGTCCATCAGCGCAGTGCTGATCAAGGGCTCATCCACGGGGTGGATCA
CCATGTCCCGGAACTGGGGCGCCAACCTGGCAGGCCAACAGCGACCTCACCACCC
AGAGCATCTCCTTCCGTGTCACCGCCACCAACGGCCAGTTCCTCGAGTTCTACAA
CGTCGCCGGCTCCAACCTGGCAGCTGGGCCAGACCTTCACCAACGGCCAAAATTC
TACTAGCGCCGGCACGCCGGCCGCGGCCGCCATGCCTGCCGGCCGGCTCTCTGCT
CGTTGCACGATGATTTC