

IDENTIFICATION

Species: *Miscanthus sinensis*

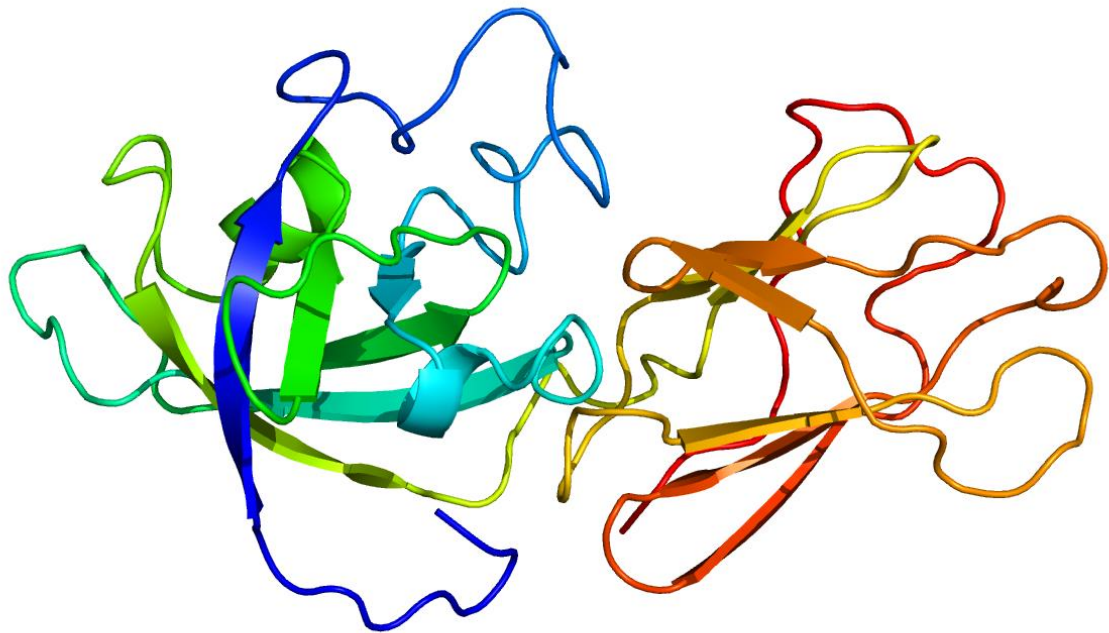
Locus: MisinT115300

Gene Model: MisinT115300.1.p

Description: McsEXPA-63

Family: Alpha Expansin

3D structure:



GENOME DATABASES

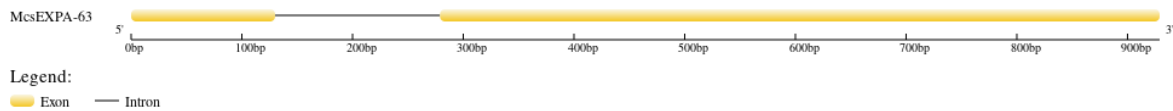
Phytozome: https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1

KEGG:-

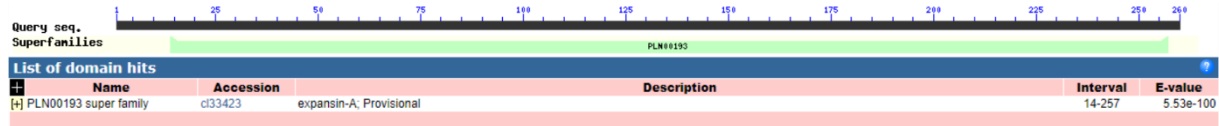
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>McsEXPA-63

MGKRFLHQLLAVVLALFVSPARSGDWLPATATFYGGANGSDTMGGACGYSDLCEQ
GYGINNAALSTALFNDGASCGQCYVIICDSSKTGWCKPGNNWVVSATNFCPPNWD
LPTVGDLPAGGWCGPPRPHFDMSQPAWENIGIYSAGIIPVLYQRVKCWKSSGGVRFIT
AGFDHFYMLITNVAGSGSIQSMVKGANTDWIPMYRNWGANWHCLSGGLVGQGL
SFALISTGGQNIIFKDVVPAWWQFGQTYTTYQNFY*

CDS (coding sequence)

>McsEXPA-63

ATGGGGAAACGTTTCCTCCACCAGCTACTCGCCGTCGTCCTTGCACTCTTCGTCTC
GCCGGCGAGATCGGGCGACTGGCTTCCGGCCACGGCCACGTTCTACGGCGGCGCT
AATGGCTCCGACACAATGGGTGGCGCGTGCGGGTACAGCGACCTGTGCGAGCAG
GGCTACGGCATCAACAACGCGGCGCTGAGCACGGCGCTCTTCAACGACGGCGCG
TCGTGCGGACAGTGCTACGTGATCATCTGTGACAGTAGCAAGACCGGGTGGTGCA
AGCCCGGCAACAACACTGGGTCGTCTCGGCCACCAACTTCTGCCCGCCAACTG
GGACCTCCCCACCGTCGGGGACCTCCCCGCCGGCGGCTGGTGCGGCCCGCCCCGC
CCCCACTTCGACATGTCCCAGCCCGCCTGGGAGAACATTGGCATCTATAGCGCCG
GCATCATCCCCGTCCTCTACCAGCGGGTCAAGTGCTGGAAGAGTGCGGCGGTGCG
CTTACCATCGCCGGCTTCGATCACTTCTACATGGTGCTCATCACCAACGTGCGCCG
GGAGCGGCTCCATCCAGAGCATGGCGGTGAAGGGCGCCAACACGGACTGGATCC
CCATGTACAGGAACTGGGGCGCCAACACTGGCACTGCCTCTCCGGCGGGCTCGTCGG
ACAGGGCCTCAGCTTCGCGCTCATCTCCACCGGCGGCCAGAACATCATCTTCAAG
GACGTGCTGCCGGCGTGGTGGCAGTTCGGACAACTTACACCACTTACCAGAATT
TCGACTACTAA

Nucleotide

>McsEXPA-63

ATGGGGAAACGTTTCCTCCACCAGCTACTCGCCGTCGTCCTTGCACTCTTCGTCTC
GCCGGCGAGATCGGGCGACTGGCTTCCGGCCACGGCCACGTTCTACGGCGGCGCT
AATGGCTCCGACACAATGGGTAACAACCTAGCTGTCTTTGTCTTTGTGATCGTGA
ATCGTGATGATCAGTTCGAGCATGCATGCATGCACGCACTGCAAGCCATGCATAC

TACACGACGTCTGTATATGGGCTTTGATCGATGAGCACGAACATACGCATGCATG
CAGGTGGCGCGTGCGGGTACAGCGACCTGTGCGAGCAGGGCTACGGCATCAACA
ACGCGGCGCTGAGCACGGCGCTCTTCAACGACGGCGCGTCGTGCGGACAGTGCT
ACGTGATCATCTGTGACAGTAGCAAGACCGGGTGGTGCAAGCCCGGCAACA
GGGTCGTCTCGGCCACCAACTTCTGCCCGCCAACTGGGACCTCCCCACCGT
CGGGGACCTCCCCGCCGGCGGCTGGTGCGGCCCGCCCCGCCCCACTTCGACATG
TCCCAGCCCGCCTGGGAGAACATTGGCATCTATAGCGCCGGCATCATCCCCGTCC
TCTACCAGCGGGTCAAGTGCTGGAAGAGTGGCGGCGTGCGCTTACCATCGCCGG
CTTCGATCACTTCTACATGGTGCTCATCACCAACGTCGCCGGGAGCGGCTCCATC
CAGAGCATGGCGGTGAAGGGCGCCAACACGGACTGGATCCCCATGTACAGGAAC
TGGGGCGCCA
ACTGGCACTGCCTCTCCGGCGGGCTCGTCGGACAGGGCCTCAGCT
TCGCGCTCATCTCCACCGGCGGCCAGAACATCATCTTCAAGGACGTCGTGCCGGC
GTGGTGGCAGTTCGGACAACTTACACCACTTACCAGAATTTGACTACTAA