

IDENTIFICATION

Species: *Miscanthus sinensis*

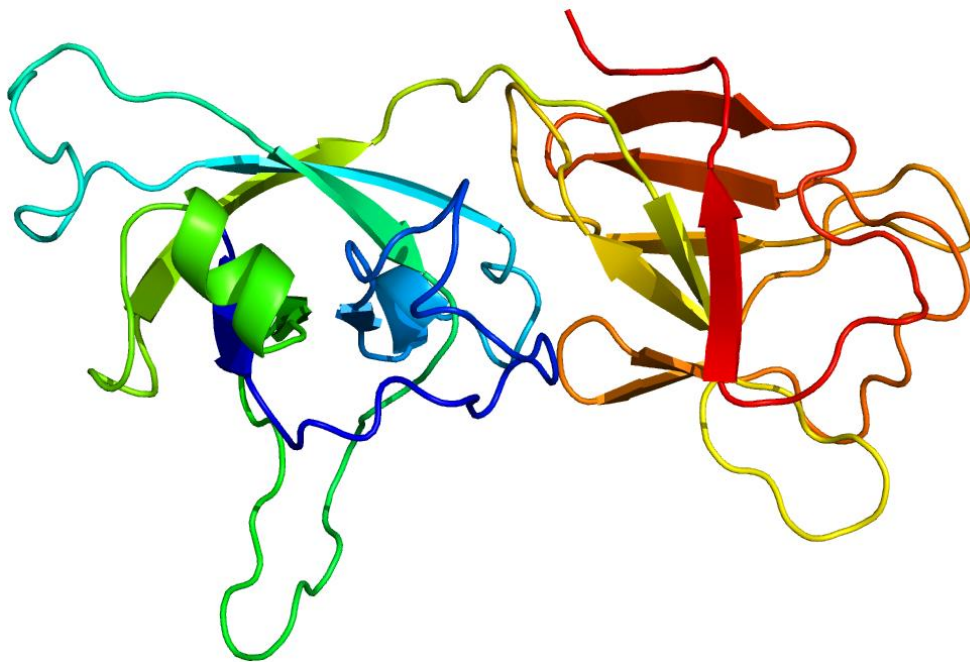
Locus: Misin02G208800

Gene Model: Misin02G208800.1.p

Description: McsEXPA-13

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

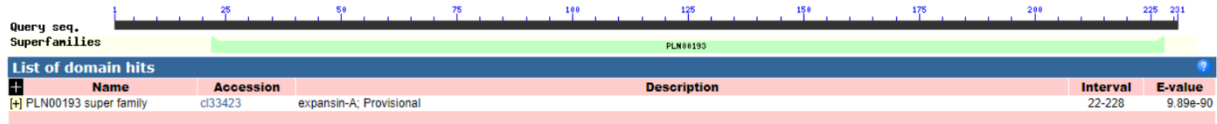
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>McsEXPA-13

MAVGVEGDDGGSNWWAQRRSRGACGYENLYNAGYGVNNAALSPVLFNDGASCGQ
CYVIICDASRPGGQYCKPGTWITVTATNLCPSNYALPKGGWCGPGLPHFDMSQPAWE
NIGVYSGGIIPVQYQQVKCWRNNGGVRFSMAGNYYFLLVNIQNLAGSGSVAAAWIKG
DNTGWIQMSRNWGANWQALAGLVGQGLSFAVTSTGGQYIQFLNVVPGWWQFGMT
FNTNQNFNY*

CDS (coding sequence)

>McsEXPA-13

ATGGCTGTTCGGTGTAGAGGGCGACGACGGCGGCTCGAACTGGTGGGCACAGCGG
CGTTCCAGAGGGCGCATGCGGCTACGAGAACCTATAACAACGCCGGGTACGGCGTC
AACAAACGCAGCGCTGAGCCCGGTGCTGTTCAACGACGGCGCGTCGTGCGGGCAG
TGCTACGTCATCATCTGCGACGCATCACGCCCGGGCGGCCAGTACTGCAAGCCTG
GCACATGGATCACCGTGACGGCCACCAACCTGTGCCCATCCAACACTACGCGCTGCC
CAAAGGCGGGTGGTGC GGCCCGGGGCTGCCCCACTTCGACATGTTCGACGCCGGC
GTGGGAGAACATCGGCGTCTACAGCGGCGGCATCATCCCGGTGCAGTACCAGCA
GGTCAAGTGCTGGCGCAACGGCGGCGTGCGCTTCAGCATGGCCGGCAACTACTAC
TTCCTGCTCGTGAATATCCAGAACCTCGCTGGCAGCGGGTCCGTGGCCGCCGCCT
GGATCAAGGGCGATAACACGGGGTGGATCCAGATGTCCAGGAACCTGGGGCGCCA
ACTGGCAGGCGCTCGCCGGGCTCGTCGGCCAGGGGCTTAGCTTCGCCGTGACCAG
CACAGGTGGGCAGTACATCCAGTTCCTCAACGTAGTGCCAGGATGGTGGCAGTTC
GGCATGACCTTCAACACAAACCAGAATTTTAACTACTAA

Nucleotide

>McsEXPA-13

ATGGCTGTTCGGTGTAGAGGGCGACGACGGCGGCTCGAACTGGTGGGCACAGCGG
CGTTCCAGTGACCCCTGTGTGGTGTAGAGATTAAGGAGAGGATGATGAGCTTCAC
AGCATGCCAAGGGATCCAAAACGACAAGAGTGGGAGCGAGAGCTGCTCTAGAAC
GAGCTAACACGGTGAGGTCGAACTCAGCGGCCATGGTGGCGCTGCCGTGACGG
AAACGGCGCGCGCGGCCACTCCCGACGATGAGAGATGACACAAGCGGGTCAAGA
AGGTGTGCGAGGACGAGGCCAAGCTAGGTGCGTGAGCAATTGGGCAGAGATGGA
TTGGTGGCGATGAATTTGGCTAGCGACCGAGGAGCTCGACGGCGGGCGGGAAGAA

AGTACATCCAGTTCCTCAACGTAGTGCCAGGATGGTGGCAGTTCGGCATGACCTT
CAACACAAACCAGAATTTTAACTACTAA