

IDENTIFICATION

Species: *Miscanthus sinensis*

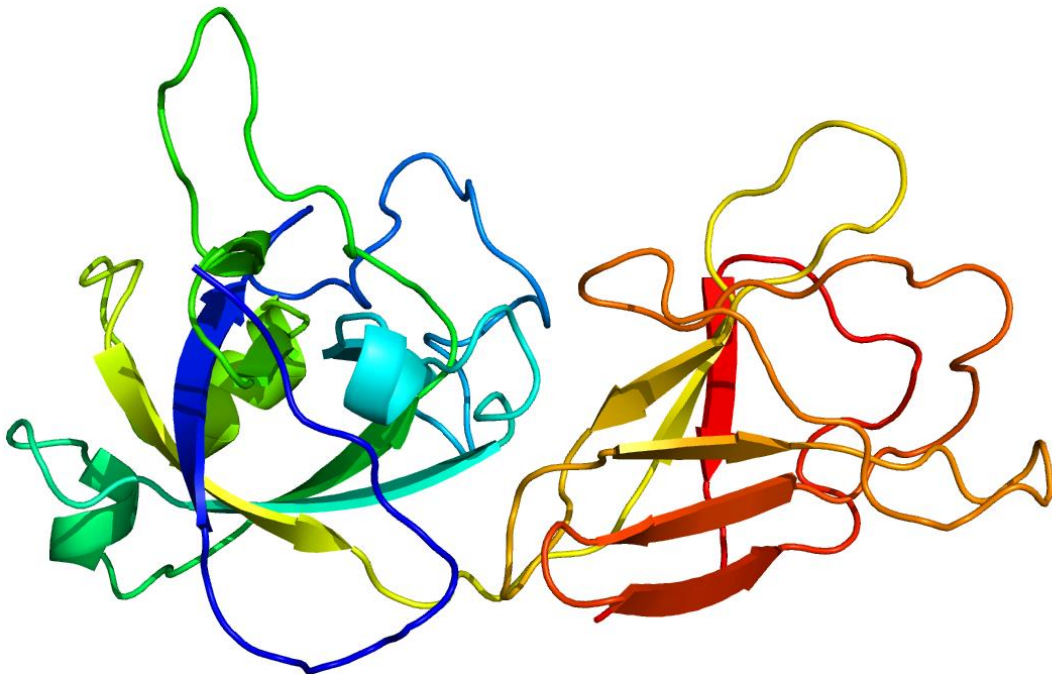
Locus: Misin08G114900

Gene Model: Misin08G114900.1.p

Description: McsEXPA-41

Family: Alpha Expansin

3D structure:



GENOME DATABASES

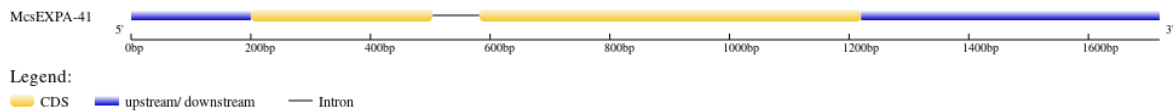
Phytozome: https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1

KEGG:-

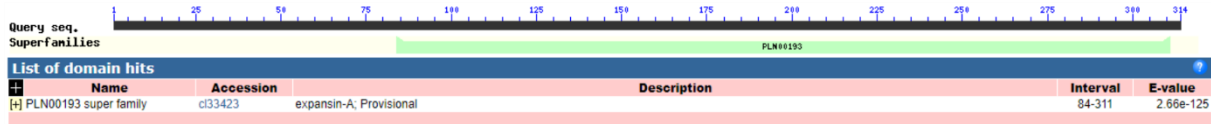
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>McsEXPA-41

MTALFAELLRPVATRQPFPSPIPCTYAYIQQTVREKLCDRSMTKPRDTHAHMAGAAY
ARAALALALALAVATAAATVKAQQTEWLRGHATFFGGADASGTMGGACGYGNLF
AQGYGTRTTALSTALFSGGASCQCCKLVCDRKTDAWCKPGVSVTVTATNFCPPN
SALPDGGWCNAVRAHFDMAQPAWEKIGVFSGGIIPVIYRRVSCVKKGGVRFVNGH
DYFNLVLLTNVAGPGSIRAMDVKGSQPPVEDWMHMARNWGANWHS�TYLTGQGL
SFRVTVTDGQTIVFADVPPKWRFGQSFASNLQFKL*

CDS (coding sequence)

>McsEXPA-41

ATGACGGCCCTTTTTGCTGAGTTGCTGCGCCCAGTCGCCACACGCCAACCTTTTCC
GTCTCCGATCCCATGCACCTACGCATATATCCAGCAAACCGTTAGAGAGAACTG
TGTGATCGATCCATGACTAAGCCTAGAGACACGCACGCACATATGGCTGGAGCTG
CTTACGCCCGCGCCGCGCTCGCGCTCGCGCTCGCACTGGCCGTGGCCACCGCCG
CGCCACGGTCAAGGCGCAGCAGACCGAGTGGCTCAGGGGGCATGCCACGTTCTT
CGGCGGCGCGGACGCCTCCGGCACCATGGGGGGCGCGTGCGGGTACGGCAACCT
GTTCGCGCAGGGGTACGGGACGCGCACGACGGCGCTGAGCACGGCGCTCTTCTCC
GGCGGGGCTCGTGCGGGCAGTGCTACAAGCTGGTGTGCGACCGCAAGACGGAC
GCGACGTGGTGCAAACCCGGCGTGTCCGTACCGTGACCGCCACCAACTTCTGCC
CGCCAAACTCGGCGCTGCCCGACGGCGGGTGGTGCAACGCGGTGCGCGCCCACTT
CGACATGGCGCAGCCGGCGTGGGAGAAGATCGGGCGTCTTCAGCGGGCGGCATCAT
CCCCGTCTACTACAGGAGGGTCTCCTGCGTCAAGAAGGGCGGGGTGCGGTTACCC
GTCAACGGCCACGACTACTTCAACCTGGTGCTGCTCACCAACGTCGCCGGGCGG
GATCCATCAGGGCCATGGACGTCAAGGGCTCGCAGCCGCGGTGGAGGACTGGA
TGCACATGGCGCGCAACTGGGGCGCCAACTGGCACTCCCTCACCTACCTACCGG
CCAGGGGCTGTCTTCAGGGTCACCGTCACCGATGGCCAGACCATCGTCTTCGCC
GACGTGCGTCCCGCCCAAGTGGAGGTTCCGGCCAGTCTTCGCCAGCAACCTGCAGT
TCAAGCTGTGA

Nucleotide

>McsEXPA-41

CAACAGCCCCAAAATCTTCCCAGGATCCCCTCCGTCGACGACCCGATCGATT
ATGGCAGGCATGGCTGCACTGACGAGCTAGCGCACATGCGAACATGCCTCACCTC
CACCCCTGGCTTTGCGCAGGATCAACCTGCTCACACTCCTCTTCATCTTTGATC
CCTGCGCGAGCGACCGCATGTGCCACGAGGGGAGATGACGGCCCTTTTTGCTGAG
TTGCTGCGCCCAGTCGCCACACGCCAACCTTTTCCGTCTCCGATCCCATGCACCTA
CGCATATATCCAGCAAACCGTTAGAGAGAACTGTGTGATCGATCCATGACTAAG
CCTAGAGACACGCACGCACATATGGCTGGAGCTGCTTACGCCCGCGCCGCGCTCG
CGCTCGCGCTCGCACTGGCCGTGGCCACCGCCGCCACGGTCAAGGCGCAGCA
GACCGAGTGGCTCAGGGGGCATGCCACGTTCTTCGGCGGGCGGGACGCCTCCGGC
ACCATGGGTAAGCTAAGCAGCCTCTGAATGCGAGCTGATATGATATAGCACTGGA
GTTTAGTCTGTTCGTATGCATGCATGAGCAGGGGGCGCGTGCGGGTACGGCAACCT
GTTCGCGCAGGGGTACGGGACGCGCACGACGGCGCTGAGCACGGCGCTCTTCTCC
GGCGGGGCTCGTGCGGGCAGTGCTACAAGCTGGTGTGCGACCGCAAGACGGAC
GCGACGTGGTGCAAACCCGGCGTGTCCGTCACCGTGACCGCCACCAACTTCTGCC
CGCCAAACTCGGCGCTGCCCGACGGCGGGTGGTGCAACGCGGTGCGCGCCCACTT
CGACATGGCGCAGCCGGCGTGGGAGAAGATCGGCGTCTTCAGCGGCGGCATCAT
CCCCGTCTACAGGAGGGTCTCCTGCGTCAAGAAGGGCGGGGTGCGGTTACC
GTCAACGGCCACGACTACTTCAACCTGGTGTGCTCACCAACGTCGCCGGGCCGG
GATCCATCAGGGCCATGGACGTCAAGGGCTCGCAGCCGCCGGTGGAGGACTGGA
TGCACATGGCGCGCAACTGGGGCGCCAACTGGCACTCCCTCACCTACCTACCGG
CCAGGGGCTGTCCTTCAGGGTCACCGTCACCGATGGCCAGACCATCGTCTTCGCC
GACGTGTCGCCGCCCAAGTGGAGGTTCCGGCCAGTCCTTCGCCAGCAACCTGCAGT
TCAAGCTGTGATCTGACCAGAGCTAATCTAGTTAACACGTACGTGCGTGATCAAT
CATCGATGATTATTTAATTTGGACCTCCAGTCCAATATACAGTATTAATTTGGTTG
TGACTTGCATTGTGGAGAGGGTTCATTTACCATTTCTGTATGTAGTAACTTTTACC
TGCTTCGAACTTTTTTTTTTAAAAAAAACAAGACTTGTTAATTAATTGCGACTGT
ATGCATGTGTTATGTACATAAAAAGATTTACTGATTTCATAACTATGTGCAAATTA
GCAACTCCTTTTTTTTTTATTTGATTACTTCACTCAATGCTCATTGCTTTTTGCTGGTA
AAAAAGTTCTTACTGTGAGCGAAACGAATTATTGTTGATGATTTGGACCACCAAT
GTAATTAATCATTTTGTTACGATAGCACGATTTGGTTGGCATGACGGGTAAATTA
CCATTTCTATAGGAACTTGCCAGCATTAATTAAAAACAAAACCTGTTTTTTTTCT
CGTTTGT