

IDENTIFICATION

Species: *Miscanthus sinensis*

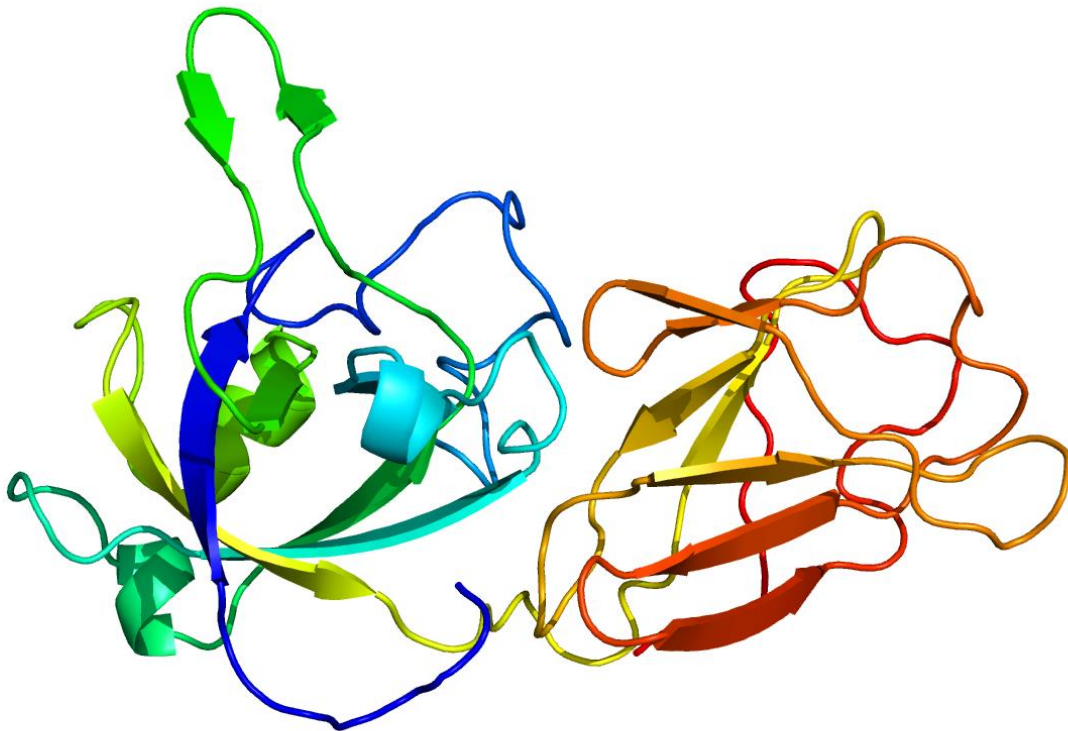
Locus: Misin02G208600

Gene Model: Misin02G208600.1.p

Description: McsEXPA-11

Family: Alpha Expansin

3D structure:



GENOME DATABASES

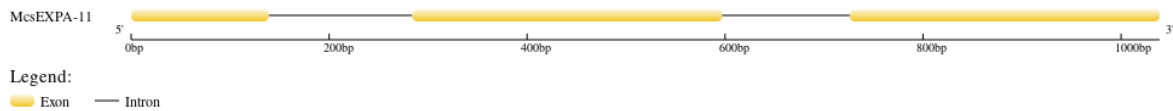
Phytozome: https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1

KEGG:-

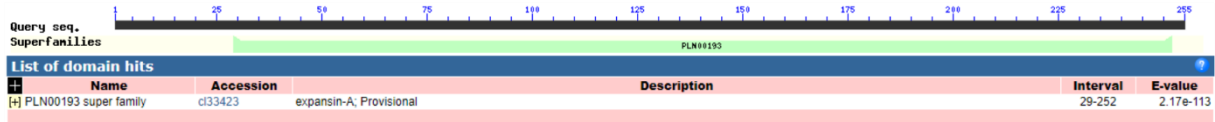
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>McsEXPA-11

MGTTVAQLKPLAVVVVLALLVMSAMADYWNSGTATFYGGPDGSGTMGGACGYEN
LYNAGYGVLNAALSQVLFNDGASCGQCYTIKCDATQSVWCKPGNTVTVTATNLCPP
NYALPNGGWCGPPRPHFDMSQPAWENIGMYRGGIIPVLYQLVRCRQGGVRFRTGS
QYFQLTLITNVGSGSIQSMSVKGTNTGWIAMTRNWGAQWQSNKAVLNQALFSMV
TSTGGQTLYINNVVPDWWVLGMTFATNAQFDY*

CDS (coding sequence)

>McsEXPA-11

ATGGGCACCACGGTGGCGCAGCTCAAACCCTTGGCCGTGGTCGTCGTCCTTGCGC
TGCTGGTCATGTCGGCAATGGCAGACTACTGGAACAGTGGGACGGCGACGTTCTA
CGGCGGCCCGACGGCTCCGGGACCATGGGTGGCGCGTGCGGGTACGAAAACCT
GTACAACGCGGGCTATGGAGTGCTCAACGCCGCGCTGAGCCAGGTGCTGTTCAAC
GACGGCGCCTCGTGCGGCCAGTGCTACACCATCAAGTGCGACGCCACCCAGTCCG
TGTGGTGCAAGCCCGGCAACACCGTACCGTACCGGCCACCAACCTGTGCCACC
CAACTACGCGCTCCCCAACGGCGGCTGGTGGCGCCCGCCGCGCCCCACTTCGAC
ATGTCCCAGCCGGCATGGGAGAACATCGGCATGTACCGCGGCGGCATCATCCCCG
TCCTCTACCAGCTGGTGCGATGCTCGAGGCAGGGAGGCGTGCGGTTTCAAGATCAC
CGGGTCCCAGTACTTCCAGCTGACTCTCATCACCAACGTTCGGCGGCAGTGGGTCC
ATCCAGTCCATGTCGGTGAAGGGGACCAACACCGGGTGGATTGCTATGACGCGG
AACTGGGGAGCGCAATGGCAGAGCAACAAGGCGGTCTCAACCAGGCGCTCTCC
TTCATGGTACCTCCACCGGCGGCCAGACGCTGTACATCAACAACGTCGTGCCGG
ACTGGTGGGTGCTGGGCATGACATTCGCCACCAACGCGCAGTTTGACTATTAA

Nucleotide

>McsEXPA-11

ATGGGCACCACGGTGGCGCAGCTCAAACCCTTGGCCGTGGTCGTCGTCCTTGCGC
TGCTGGTCATGTCGGCAATGGCAGACTACTGGAACAGTGGGACGGCGACGTTCTA
CGGCGGCCCGACGGCTCCGGGACCATGGGTACGTATATAGAGCGTACTGCGTG
GGCACGCGTGGCAAGCGAGCTCATCACCCGATTTCCAAGCAGCTAGCCTTGCGGC
GGCAAGCTTGTGCTGATACTCACAGTTACGTTGGTTTGGTTGAACTCTTCGTACG
TCGACGCAGGTGGCGCGTGCGGGTACGAAAACCTGTACAACGCGGGCTATGGAG

TGCTCAACGCCGCGCTGAGCCAGGTGCTGTTCAACGACGGCGCCTCGTGCGGCCA
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ACCGTCACCGTCACGGCCACCAACCTGTGCCACCCAACCTACGCGCTCCCCAACG
GCGGCTGGTGCGGCCCGCGCGCCCCACTTCGACATGTCCCAGCCGGCATGGGA
GAACATCGGCATGTACCGCGGGCGGCATCATCCCCGTCCTCTACCAGCTGTAAGCT
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CGGACGTTAGGGTTGTCACTCTAGTTCTAGCAATAGATTAATTAACGGTGATGGG
TTTAATTTGCAGGGTGCGATGCTCGAGGCAGGGAGGCGTGCGGTTTCAGAATCACC
GGGTCCCAGTACTTCCAGCTGACTCTCATCACCAACGTCGGCGGCAGTGGGTCCA
TCCAGTCCATGTTCGGTGAAGGGGACCAACACCGGGTGGATTGCTATGACGCGGA
ACTGGGGAGCGCAATGGCAGAGCAACAAGGCGGTCCCTCAACCAGGCGCTCTCCT
TCATGGTCACCTCCACCGGCGGCCAGACGCTGTACATCAACAACGTCGTGCCGGA
CTGGTGGGTGCTGGGCATGACATTCGCCACCAACGCGCAGTTTGACTATTAA