IDENTIFICATION

Species: *Miscanthus sinensis*

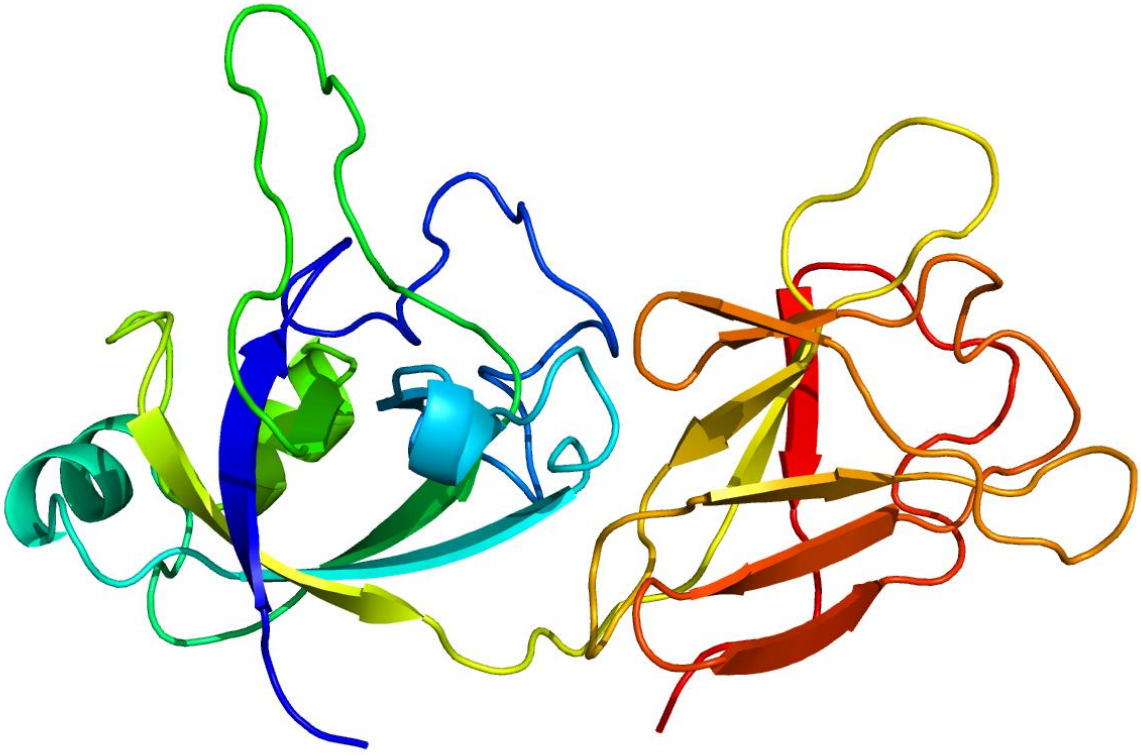
Locus: Misin02G209100

Gene Model: Misin02G209100.1.p

Description: McsEXPA-16

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

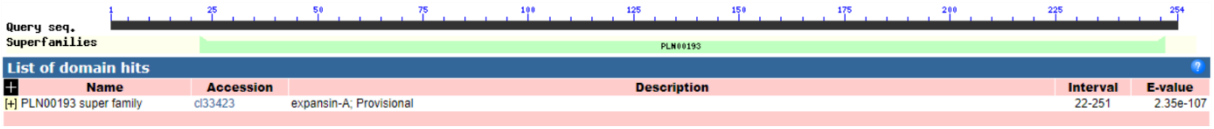
KEGG:-

EXTERNAL RESOURCES

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

GENE STRUCTURE

DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>McsEXPA-16

MAPRTLALWGVLAASTVISGVAGWSPGTATFYGGSDGSGTMGGACGYGNLYSAGY
GVNNAALSQTLFNDGASCGQCYAITCDGSGSRTGSQYCKPGNTVTVTATNLCPPNY
GLPNGGWCGPGRPHFDMSQPAWETIGLVQGGIIPVLYQQVKCSRSGGVRFNIAGSNY
FLLVSIQNLGGSGSVAAASVKGINTGWIQMSRNWGANWQALSGLTGQELSFAVTST
GGQYIQFLNVAPTWWQFGQTYSTNQQFYY*

CDS (coding sequence)

>McsEXPA-16

ATGGCGCCGAGGACGTTGGCTCTGTGGGGTGTTCTAGCGGCGTCCACCGTCATCT
CCGGTGTGGCCGGCTGGTCGCCCGGCACGGCAACCTTCTATGGCGGGTCTGACGG
GTCCGGGACCATGGGCGGCGCGTGCGGGTACGGCAACCTGTACAGCGCTGGGTA
CGGCGTCAACAACGCGGCGCTGAGCCAGACGCTGTTCAACGACGGCGCGTCGTG
CGGGCAGTGCTACGCCATCACGTGCGACGGATCAGGGTCACGCACGGGCAGCCA
GTACTGCAAGCCCGGCAACACCGTCACCGTCACGGCCACCAACCTGTGCCCACCC
AACTACGGGCTCCCTAACGGCGGTTGGTGCGGTCCGGGACGCCCGCACTTCGACA
TGTCGCAGCCGGCATGGGAGACCATCGGCCTCGTCCAGGGCGGCATCATCCCTGT
CCTGTACCAGCAGGTCAAGTGCTCGCGCAGCGGCGGTGTGCGCTTCAACATCGCC
GGCTCCAACTACTTCCTGCTTGTCAGCATCCAGAACCTCGGCGGCAGCGGCTCGG
TCGCAGCCGCTTCGGTCAAGGGCATCAACACCGGGTGGATCCAGATGTCTAGGAA
CTGGGGCGCTAATTGGCAAGCTCTCTCGGGGCTCACCGGCCAGGAGCTCAGCTTC
GCCGTCACTAGCACCGGCGGGCAGTACATACAGTTCCTGAACGTGGCGCCGACGT
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Nucleotide

>McsEXPA-16

ATGGCGCCGAGGACGTTGGCTCTGTGGGGTGTTCTAGCGGCGTCCACCGTCATCT
CCGGTGTGGCCGGCTGGTCGCCCGGCACGGCAACCTTCTATGGCGGGTCTGACGG
GTCCGGGACCATGGGCGGCGCGTGCGGGTACGGCAACCTGTACAGCGCTGGGTA
CGGCGTCAACAACGCGGCGCTGAGCCAGACGCTGTTCAACGACGGCGCGTCGTG
CGGGCAGTGCTACGCCATCACGTGCGACGGATCAGGGTCACGCACGGGCAGCCA
GTACTGCAAGCCCGGCAACACCGTCACCGTCACGGCCACCAACCTGTGCCCACCC

AACTACGGGCTCCCTAACGGCGGTTGGTGCGGTCCGGGACGCCCGCACTTCGACA
TGTCGCAGCCGGCATGGGAGACCATCGGCCTCGTCCAGGGCGGCATCATCCCTGT
CCTGTACCAGCAGGTCAAGTGCTCGCGCAGCGGCGGTGTGCGCTTCAACATCGCC
GGCTCCAACTACTTCCTGCTTGTCAGCATCCAGAACCTCGGCGGCAGCGGCTCGG
TCGCAGCCGCTTCGGTCAAGGGCATCAACACCGGGTGGATCCAGATGTCTAGGAA
CTGGGGCGCTAATTGGCAAGCTCTCTCGGGGCTCACCGGCCAGGAGCTCAGCTTC
GCCGTCACTAGCACCGGCGGGCAGTACATACAGTTCCTGAACGTGGCGCCGACGT
GGTGGCAGTTCGGACAGACCTACTCCACCAACCAGCAGTTTTACTACTGA