

IDENTIFICATION

Species: *Miscanthus sinensis*

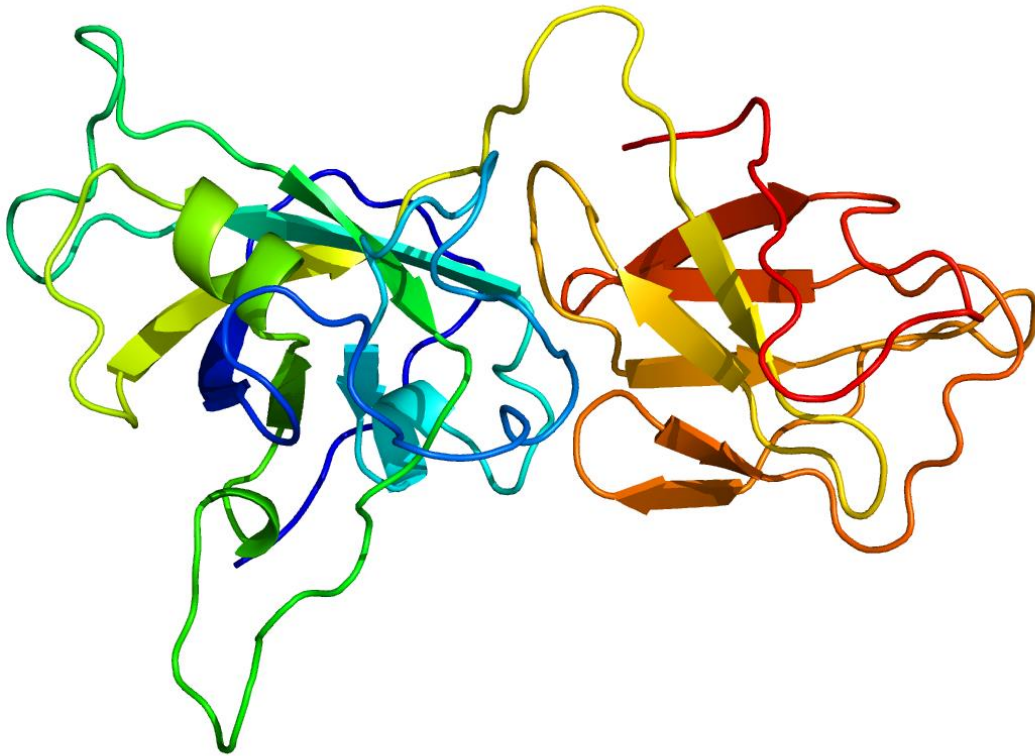
Locus: Misin07G113600

Gene Model: Misin07G113600.1.p

Description: McsEXPA-34

Family: Alpha Expansin

3D structure:



GENOME DATABASES

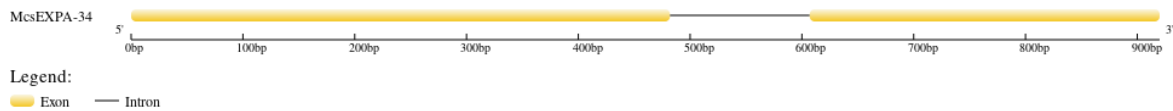
Phytozome: https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1

KEGG:-

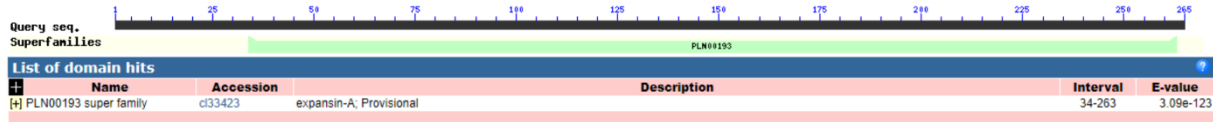
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>McsEXPA-34

MAPSAPVLAALLLLTVSWAALAAVAANAPPPTTGWQRGAHATFYGGADASGTMG
GACGYGNLYSQYGSRTAALSTVLFNDGASCGQCYKIACDRKTDPTLCKPGVTVTV
TATNFCPPNSALPDGGWCNQQRPHFDMAQPAWEKIGSDVSTGIIPVIYQRVPCARRG
GVRFMINGHDYFNLVLVTNVAGAGSIKSM DVRTSDSTDWMPMARNWGANWHSMA
YLSGKRLSFRVTITDGQTLVFTNVVPAGWTFGLTFASNLQFK*

CDS (coding sequence)

>McsEXPA-34

ATGGCTCCATCAGCTCCAGTTTTGGCAGCCCTGCTGCTTCTGCTCACAGTCAGCTG
GGCAGCGTTGGCCGCCGTGGCAGCCAACGCACCGCCGCCGACGACCGGGTGGCA
GAGGGGCGCGCACGCGACGTTCTACGGCGGAGCCGATGCCTCCGGGACCATGGG
CGGTGCGTGCGGGTACGGGAACCTGTACTCGCAGGGCTACGGCTCGCGCACGGC
GGCGCTGAGCACGGTGCTCTTCAACGACGGCGCGTCCTGCGGCCAGTGCTACAAG
ATCGCGTGCGACCGCAAGACGGACCCGACGCTGTGCAAGCCCGGGCGTCACGGTG
ACCGTCACCGCCACCAACTTCTGCCCGCCAACTCGGCGCTGCCCGACGGGGGAT
GGTGAATCAGCAGCGCCCGCACTTCGACATGGCGCAGCCGGCGTGGGAGAAGA
TTGGCAGCGACGTCAGCACCGGAATCATCCCCGTCATCTACCAAAGAGTTCCATG
CGCTCGGCGAGGTGGAGTCAGGTTTCATGATCAATGGCCACGACTACTTCAACCTC
GTGCTCGTCACCAACGTCGCAGGGGCTGGCTCCATCAAATCCATGGATGTCAGGA
CCTCCGATTCCACGGA CTGGATGCCCATGGCACGCAACTGGGGCGCAA ACTGGCA
CTCCATGGCGTATCTCAGTGGGAAAAGGCTCTCGTTCAGGGTCCACCATCACAGAT
GGTCAGACACTCGTGTTTACTAATGTGGTGCCGGCTGGCTGGACCTTCGGCTTGA
CATTGCAAGCAATTTGCAGTTCAAGTGA

Nucleotide

>McsEXPA-34

ATGGCTCCATCAGCTCCAGTTTTGGCAGCCCTGCTGCTTCTGCTCACAGTCAGCTG
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CGGTGCGTGCGGGTACGGGAACCTGTACTCGCAGGGCTACGGCTCGCGCACGGC
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ATCGCGTGCGACCGCAAGACGGACCCGACGCTGTGCAAGCCCGGCGTCACGGTG
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CTACTTCAACCTCGTGCTCGTCACCAACGTCGCAGGGGCTGGCTCCATCAAATCC
ATGGATGTCAGGACCTCCGATTCCACGGACTGGATGCCCATGGCACGCAACTGGG
GCGCAAACCTGGCACTCCATGGCGTATCTCAGTGGGAAAAGGCTCTCGTTCAGGGT
CACCATCACAGATGGTCAGACACTCGTGTTTACTAATGTGGTGCCGGCTGGCTGG
ACCTTCGGCTTGACATTCGCAAGCAATTTGCAGTTCAAGTGA