

IDENTIFICATION

Species: *Miscanthus sinensis*

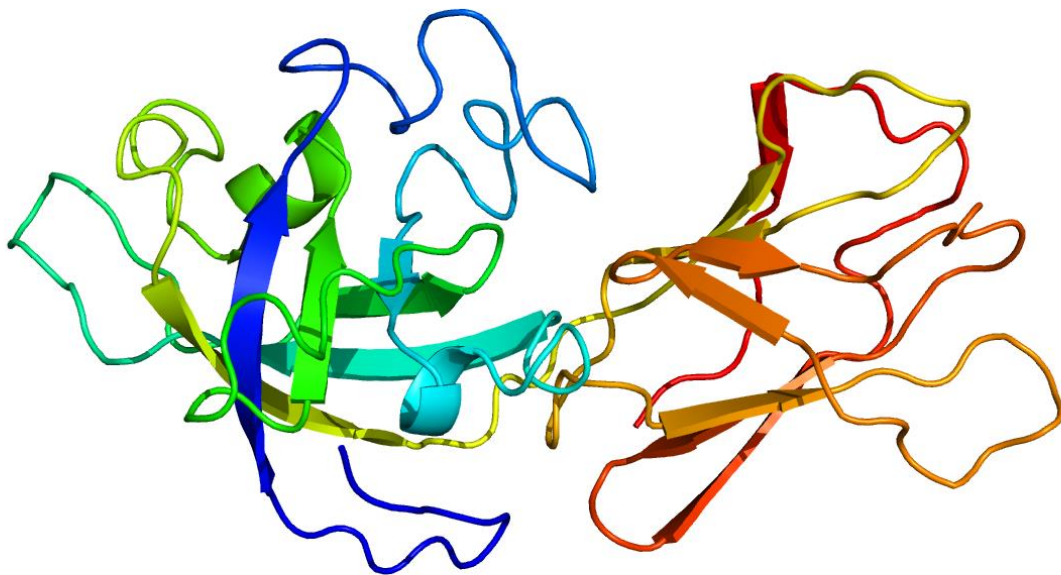
Locus: Misin07G116100

Gene Model: Misin07G116100.1.p

Description: McsEXPA-36

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

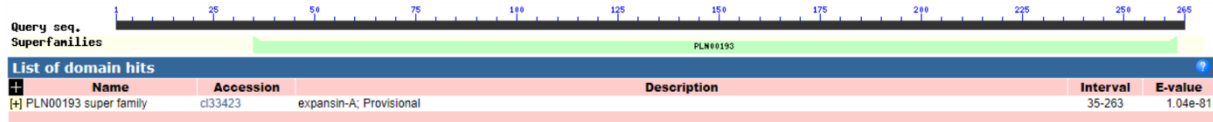
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>McsEXPA-36

MAPARVLEVLSLAVACTLTMAAADDATTSSPSSPAPTGWLKANATLYGGADASDT
MGGACGYGNLYSQGYGTRTAALSTALFNNGGASCGQCYKIACDRKRANPMFCKPGV
RHGDRHGHQLLPAKLRAARQQRRLVQSSAALRHGAAGLGEDRRLQRRHHPSHVQ
KRGVVRFTINGHDYFNLVLVTNVAGAGSIKSIDVKTSNSNSWIPMARNWGANWQSL
AYLTGQMLSFRVTDGQTIEFTNVVPQGWFQTFASKLQFK*

CDS (coding sequence)

>McsEXPA-36

ATGGCTCCAGCTCGAGTTCTTGAAGTCCTGTCGCTTGCAGTCGCCTGCACGCTGAC
CATGGCCGCCGCTGATGACGCCACTACCAGCAGTCCGTCGTCTCCGGCGCCGACC
GGATGGCTCAAGGCGAATGCCACGCTCTACGGCGGCGCCGATGCCTCTGACACCA
TGGGAGGTGCGTGTGGGTACGGGAACCTGTACTCGCAGGGCTACGGCACAAGAA
CGGCGGCGCTGAGCACTGCGCTCTTCAACGGTGGTGCCTCGTGCGGGCAGTGCTA
CAAGATCGCGTGTGACCGCAAGAGGGCAAACCCGATGTTTTGCAAACCTGGCGT
ACGTCACGGTGACCGTCACGGCCACCAACTTCTGCCCGCCAACTACGCGCTGCC
CGGCAACAACGGCGGCTGGTGAATCCTCCTCGGCCGCACTTCGACATGGCGCAG
CCGGCCTGGGAGAAGATCGGCGTCTACAGCGGCGGCATCATCCCAGTCATGTACA
AAAGCGTGGTGGGGTGCGGTTACGATCAACGGTCACGACTACTTCAATCTCGTG
CTCGTGACCAATGTTGCAGGTGCCGGCTCCATCAAGTCAATTGATGTCAAGACCT
CCAATCCAATAGCTGGATACCAATGGCGCGAACTGGGGTGCGAACCTGGCAGT
CCCTTGCATATCTTACTGGGCAGATGCTCTCGTTTAGAGTGACTGACACAGATGG
ACAACTATTGAATTCACAAACGTGGTGCCACAAGGATGGAAGTTTGGCCAAAC
ATTTGCATCCAAGTTACAGTTCAAGTGA

Nucleotide

>McsEXPA-36

ATGGCTCCAGCTCGAGTTCTTGAAGTCCTGTCGCTTGCAGTCGCCTGCACGCTGAC
CATGGCCGCCGCTGATGACGCCACTACCAGCAGTCCGTCGTCTCCGGCGCCGACC
GGATGGCTCAAGGCGAATGCCACGCTCTACGGCGGCGCCGATGCCTCTGACACCA
TGGGTAATTATGTTGCTCCCTTATTTCTTATTTTTCCATGCAGCTAGCAAGGGAAA
AAGAAGAGAGAAAACCTGTATAACCTGCTCGATGTCCGTACATCCTTATGTGTCG

AGGAGGTGCGTGTGGGTACGGGAACCTGTACTCGCAGGGCTACGGCACAAGAAC
GGCGGCGCTGAGCACTGCGCTCTTCAACGGTGGTGCCTCGTGCGGGCAGTGCTAC
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CGTCACGGTGACCGTCACGGCCACCAACTTCTGCCCCGCCAACTACGCGCTGCCC
GGCAACAACGGCGGCTGGTGCAATCCTCCTCGGCCGCACTTCGACATGGCGCAGC
CGGCCTGGGAGAAGATCGGCGTCTACAGCGGGCGGCATCATCCCAGTCATGTACA
AAAGGTTTATTTAATGAGTTTTGCCGATTAAGGCCCTGTTCGGTACTAGGGAAC
CACTCTCTGAAACTATTCCTGGCTAGATTGCTTGCCTAATTCATATAACCTTTCAT
CAGCTGGAATGATTCCTGGGGCAATCCAGGCTAACCGAACAAGGCCTAAGTGTAT
AATATCATATTCATGGATCTTCGCTAGTCTCTACTCTTCTAACAAAAACATGATGC
ATGCTGCAGTATGTTATCTTAAGTAAAAATGCGTGCTTTGCAGGGTTCCTTGCGTG
AAGCGTGGTGGGGTGCGGTTACGATCAACGGTCACGACTACTTCAATCTCGTGC
TCGTGACCAATGTTGCAGGTGCCGGCTCCATCAAGTCAATTGATGTCAAGACCTC
CAACTCCAATAGCTGGATACCAATGGCGCGAAACTGGGGTGCGAACTGGCAGTC
CCTTGCAATATCTTACTGGGCAGATGCTCTCGTTTAGAGTGACTGACACAGATGGA
CAAACCTATTGAATTCACAAACGTGGTGCCACAAGGATGGAAGTTTGGCCAAACAT
TTGCATCCAAGTTACAGTTCAAGTGA