

IDENTIFICATION

Species: *Miscanthus sinensis*

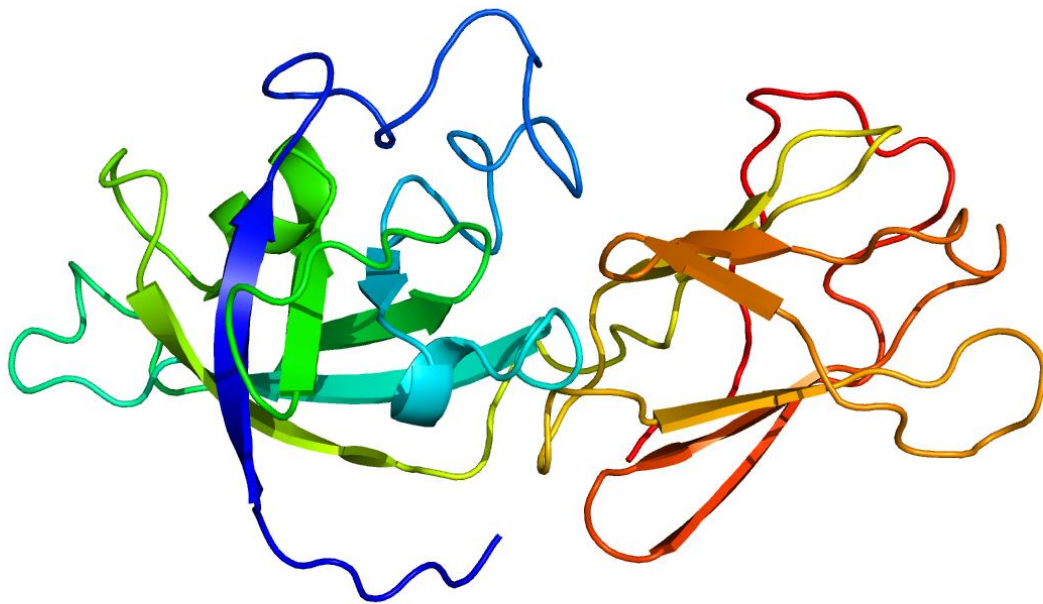
Locus: Misin06G093700

Gene Model: Misin06G093700.1.p

Description: McsEXPA-31

Family: Alpha Expansin

3D structure:



GENOME DATABASES

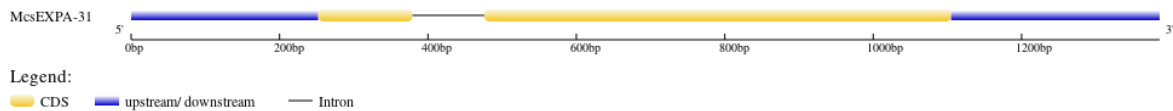
Phytozome: https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1

KEGG:-

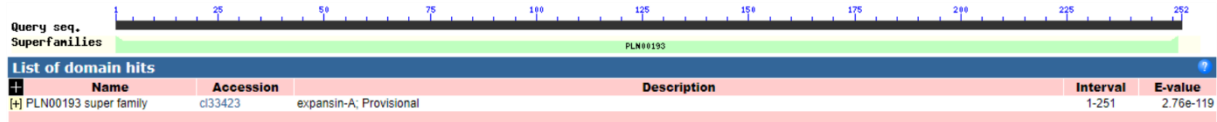
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>McsEXPA-31

MAKKLALLALCAFFFLRGSVAAAQWTPAFATFYGGSDASGTMGGACGYGNLYSAG
YGTRTTALSTALFNNGAMCGACFAIACDARRSRWCKPGARSITVTATNLCPPNWALS
GDAGGWCNPPRRHFDMSQPAWEAIAVYRAGIVPVNYRRVPCRRTGGVRFVTVQGH
YFELVTIANVGGSGVVAQAWIRGSATEWMPMNRNWGANWQSNAYLDGQGLSFRL
RSDDGRVVTAYNVAPAGWWFGATYTSNAQF*

CDS (coding sequence)

>McsEXPA-31

ATGGCGAAGAAGCTCGCGCTCCTGGCCCTGTGCGCCTTCTTCTCCTCCGAGGGTC
AGTGGCGGCAGCTCAATGGACACCCGCCTTCGCCACGTTCTACGGCGGCAGCGAC
GCGTCGGGCACCATGGGCGGCGCGTGCGGGTACGGCAACCTGTACAGCGCCGGG
TACGGCACGCGGACGACGGCGCTGAGCACGGCGCTGTTCAACAACGGCGCCATG
TGCGGCGCGTGCTTCGCCATCGCGTGCGACGCGCGCCGGTTCGCGGTGGTGCAAGC
CGGGCGCCCGCTCCATCACGGTGACGGCCACCAACCTGTGCCCGCCCAACTGGGC
GCTGTTCGGGCGACGCGGGGGGCTGGTGCAACCCGCCGCGCCGCCACTTCGACAT
GTCGCAGCCGGCGTGGGAGGCCATCGCCGTGTACCGCGCCGGGATCGTGCCCGTC
AACTACCGCCGCGTGCCGTGCCGAGGACTGGAGGCGTCAGGTTACCGTGCAG
GGCCACAGCTACTTCGAGCTGGTCACCATCGCCAACGTGGGCGGCAGCGGCGTCCG
TGGCGCAGGCGTGGATCAGGGGCTCCGCCACGGAATGGATGCCCATGAACCGCA
ACTGGGGCGCCAACCTGGCAGAGCAACGCCTACCTCGACGGGCAGGGCCTCTCGTT
CCGCCTCAGGTCCGACGACGGCCGTGTCTGTCACGGCGTACAACGTCGCGCCCGCC
GGCTGGTGGTTCGGCGCCACCTACACGTCCAATGCCAGTTCTAG

Nucleotide

>McsEXPA-31

GGTACTCGCCTGACCGGTCTAGCTACTTGGTGTAGCAACCAACCGAATCCAAGCG
GTTCTTACAAACGCCATTGATGATGATTGACTGACTGTCGCTTGCTTACCAAGAA
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CCTCAGCACAAGTACTCTCGGTCGTACAGCCTCGATCCATCCGCAAGTACTCGCT
AGTGTGTGCAAGCAGTGACGGCTGACGACGACATGGCGAAGAAGCTCGCGCTCC
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CGCGCCGGGATCGTGCCCGTCAACTACCGCCGCGTGCCGTGCCGCAGGACTGGAG
GCGTCAGGTTACCGTGCAGGGCCACAGCTACTTCGAGCTGGTCACCATCGCCAA
CGTGGGCGGCAGCGGCGTTCGTGGCGCAGGCGTGGATCAGGGGCTCCGCCACGGA
ATGGATGCCCATGAACCGCAACTGGGGCGCCAACTGGCAGAGCAACGCCTACCT
CGACGGGCAGGGCCTCTCGTTCCGCCTCAGGTCCGACGACGGCCGTGTCGTCACG
GCGTACAACGTCGCGCCCGCCGGCTGGTGGTTCGGCGCCACCTACACGTCCAATG
CCCAGTTCTAGCTATTGACCGCCGGCCTTTTTGCCCCGAAGCGGCGCGGTTCCATA
TATCGCCGACTCTAATTCTCTATGCGACTGTGCTAGTGGTTTTCTTG CATGTATCC
TCTCTCGATCATCTGTTCTGCTCTTTCATCAAAGAAAAACAAGTAGTAGTTGCATG
CCAGTTGTTCAAGTTTATTAGGTAGAGTCGACGTGGCTTAGGATCTAAAGCCG
CCCACAAAAGCAAGAATGGATTCATGTACCTTGTGTTATACTTTGTCGTACCATTA
TTTATTTGATATA