

## IDENTIFICATION

**Species:** *Miscanthus sinensis*

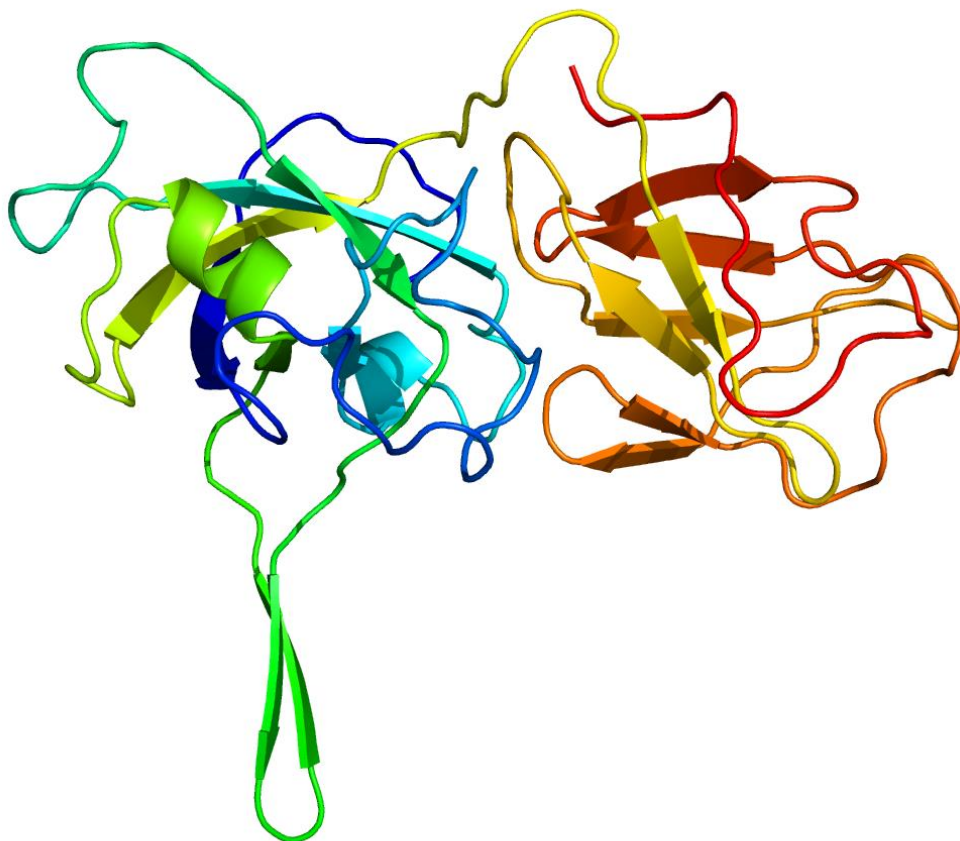
**Locus:** Misin02G471100

**Gene Model:** Misin02G471100.1.p

**Description:** McsEXPA-21

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

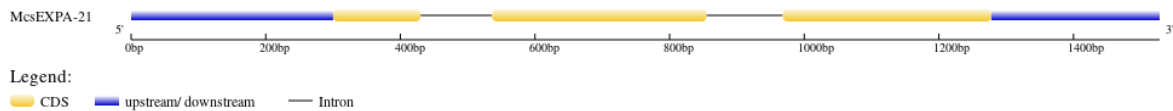
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Msinensis\\_v7\\_1](https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1)

KEGG:-

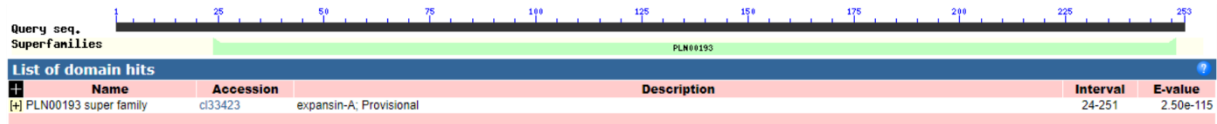
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>McsEXPA-21

MARKVLCRLLVAAVAACLAATVRAGWLRGSATFYGGANAAGTMGGACGYGDLYS  
AGYGTDTAALSSALFNNGGAACGECYQVQCDQQNSQWCKPRVTVTATNLCPADY  
SQSSNDGGWCNPPRQHFDMSPVWEKIGVYSGGIIPVFFQRVSCSRSGGVRFINGNS  
YFKLVLIFNVAGPGSISAVQIKGSSTGWITMSRNWGANWQANSDLSTQISISFRVTATN  
GQFLEFYNVAGSNWQLGQTFNGQNFY\*

### CDS (coding sequence)

>McsEXPA-21

ATGGCGCGCAAGGTCCTGTGCCGCCTGCTGGTGGCTGCCGTAGCAGCGTGCCTCG  
CCGCGACGGTCCGGGCGGGGTGGCTGAGGGGCTCGGCGACGTTCTACGGCGGGG  
CCAACGCCGCCGGCACAATGGGTGGCGCGTGCGGGTACGGCGACCTGTACTCGG  
CGGGGTACGGCACGGACACGGCGGGCGCTGAGCTCGGCGCTGTTCAACGGCGGGC  
CTGCGTGCGGGGAGTGCTACCAGGTGCAGTGCGACCAGCAGAACAGCCAGTGGT  
GCAAGCCGCGCGTGACGGTGACGGTCACCGCCACCAACCTGTGCCCGGGCCGACT  
ACTCCCAGTCCAGCAACGACGGCGGCTGGTGCAACCCGCCGCGGCAGCACTTCG  
ACATGTCCCAGCCCGTCTGGGAGAAGATCGGCGTCTACAGCGGCGGCATCATCCC  
GGTCTTCTTCCAGAGGGTGTCTGTGCTCCAGGAGCGGCGGCGTGCGGTTCACCATC  
AACGGCAACAGTTACTTCAAGCTGGTGCTCATCTTCAACGTGGCCGGGCGGGGT  
CCATCAGCGCGGTGCAGATCAAGGGCTCATCCACGGGATGGATCACCATGTCCCG  
GAACTGGGGCGCCAACTGGCAGGCCAACAGCGACCTCAGCACCCAGAGCATCTC  
CTTCCGTGTCAACGCCACCAACGGCCAGTTCCTCGAGTTCTACAACGTGCCCGGC  
TCCAACCTGGCAGCTGGGCCAGACCTTACCAACGGCCAAAATTTCTACTAG

### Nucleotide

>McsEXPA-21

GAACTTCTGAAGTCAGAGATAGACTTTTTGGACGGACGGGAGGTGGAGAAAACA  
AAGAGGAATCGTGGCATTAAAGGCGCACGGCGCAGCGTCTGGGTGCGGCATGCA  
TGAGATGGGCATGTGATCCCGCGCCGGGGTCCGCGCCCCGCCTCTCCCGTCGGCC  
GTCGGCCGTGCGCCGCTCCTATTTAAGCACCGCCGCGATCACCGCCCTCTTCCTC  
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TGTGTATCCATTCTCAACTGACGACATGGCGCGCAAGGTCCTGTGCCGCCTGCTG

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ACCAGCAGAACAGCCAGTGGTGCAAGCCGCGCGTGACGGTGACGGTCACCGCCA  
CCAACCTGTGCCCGGCCGACTACTCCCAGTCCAGCAACGACGGCGGCTGGTGCAA  
CCCGCCGCGGCAGCACTTCGACATGTCCCAGCCCGTCTGGGAGAAGATCGGGCGTC  
TACAGCGGCGGCATCATCCCGGTCTTCTTCCAGAGGTACGTACCTGCTACTGCCT  
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GGTACATGCATATTGCTGACTGCTGGCCCCGCGCTGCAGGGTGTTCGTGCTCCAGGA  
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