

## IDENTIFICATION

**Species:** *Miscanthus sinensis*

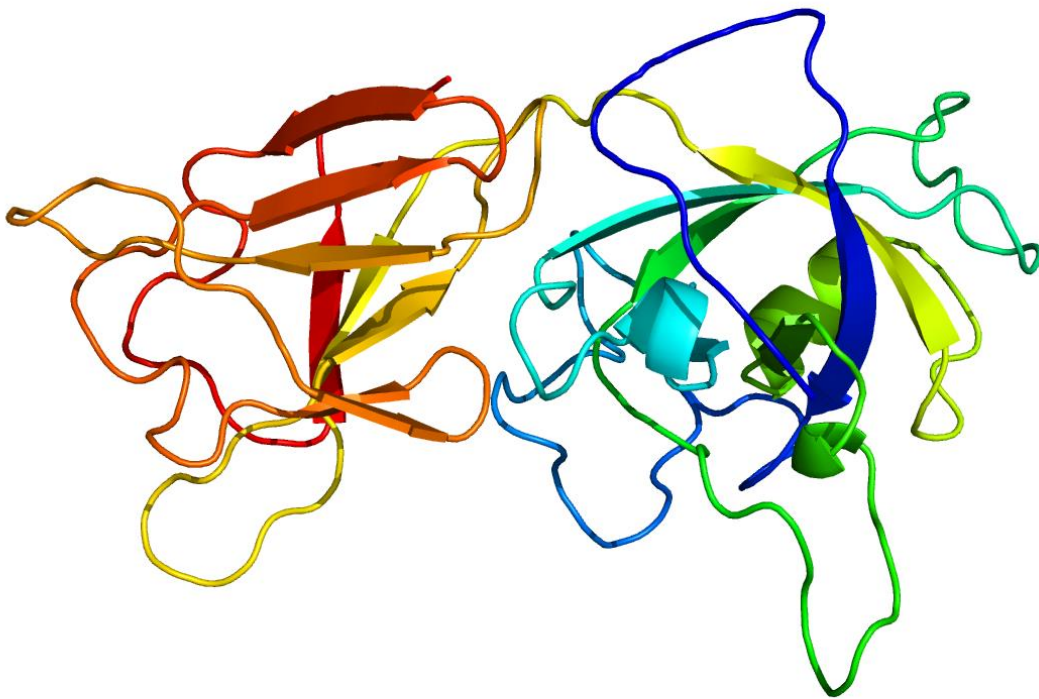
**Locus:** Misin08G113100

**Gene Model:** Misin08G113100.1.p

**Description:** McsEXPA-40

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

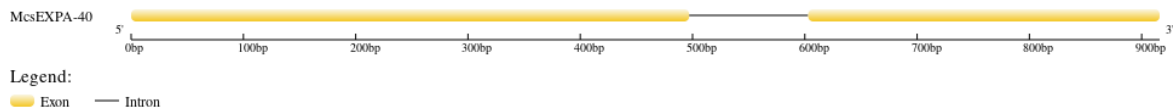
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Msinensis\\_v7\\_1](https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1)

KEGG:-

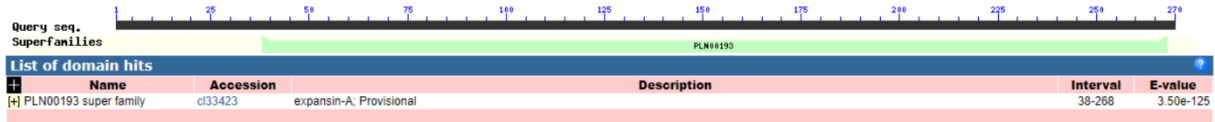
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>McsEXPA-40

MAPSAPVLAALLLLTVSWAALAAVAADGVVAAKAPPPPTGWQRGAHATFYGGADA  
SGTMGGACGYGNLYSQGYGSRTAALSTVLFNDGASCQCQYKIACDRKTDPTLCKPG  
VTVTVTATNFCPPNSALPDGGWCNQQRPHFDMAQPAWEKIGSDVSAGIIPVIYQRPV  
CVRRGGVRFMINGHDYFNLVLVTNVGGAGSIRSMDVKTSDDTDWMPMARNWGAN  
WHSMAYLKRLSFRVTITDGQTLVFTNVVPAGWTFGLTFASNLQFK\*

### CDS (coding sequence)

>McsEXPA-40

ATGGCTCCATCAGCTCCAGTTTTGGCAGCCCTGCTTCTGCTCACAGTCAGCTGGGC  
AGCGTTGGCCGCCGTGGCAGCGGATGGCGTCGTCGCAGCCAAGGCGCCGCCGCC  
GCCGACCGGATGGCAGAGGGGGCGCGCACGCGACGTTCTACGGCGGAGCCGATGC  
TTCGGGGACCATGGGCGGCGCATGCGGGTACGGGAACCTGTACTCGCAGGGGTA  
CGGCTCCCGCACGGCGGCTCTGAGCACGGTGCTCTTCAACGACGGCGCGTCTCTGC  
GGCCAGTGCTACAAGATCGCGTGCGACCGCAAGACGGACCCGACGTTGTGCAAG  
CCCGGCGTCACGGTCACCGTCACCGCCACCAACTTCTGCCACCCAACTCTGCGC  
TGCCCGACGGCGGATGGTGCAATCAGCAGCGCCCCACTTCGACATGGCGCAGCC  
GGCGTGGGAGAAGATTGGCAGCGACGTCAGCGCCGGCATCATCCCCGTCATCTAC  
CAGAGAGTTCCATGCGTTCGGCGAGGTGGAGTCAGGTTTCATGATCAATGGCCACG  
ACTACTTCAACCTCGTGCTCGTCACCAACGTTGGAGGGGGCCGGCTCCATTAGATC  
CATGGATGTCAAGACCTCCGACTCCACGGACTGGATGCCCATGGCACGCAACTGG  
GGCGAAACTGGCACTCTATGGCATATCTCAGTGGGAAAAGGCTCTCGTTCAGGG  
TCACCATCACAGATGGTCAAACACTCGTGTTTACTAATGTGGTGCCGGCTGGCTG  
GACCTTCGGCTTGACATTCGCAAGCAATTTGCAGTTCAAGTGA

### Nucleotide

>McsEXPA-40

ATGGCTCCATCAGCTCCAGTTTTGGCAGCCCTGCTTCTGCTCACAGTCAGCTGGGC  
AGCGTTGGCCGCCGTGGCAGCGGATGGCGTCGTCGCAGCCAAGGCGCCGCCGCC  
GCCGACCGGATGGCAGAGGGGGCGCGCACGCGACGTTCTACGGCGGAGCCGATGC  
TTCGGGGACCATGGGCGGCGCATGCGGGTACGGGAACCTGTACTCGCAGGGGTA  
CGGCTCCCGCACGGCGGCTCTGAGCACGGTGCTCTTCAACGACGGCGCGTCTCTGC

GGCCAGTGCTACAAGATCGCGTGCGACCGCAAGACGGACCCGACGTTGTGCAAG  
CCCGGCGTACGGTACCGTACCGCCACCAACTTCTGCCACCCAACTCTGCGC  
TGCCCGACGGCGGATGGTGCAATCAGCAGCGCCCCACTTCGACATGGCGCAGCC  
GGCGTGGGAGAAGATTGGCAGCGACGTCAGCGCCGGCATCATCCCCGTCATCTAC  
CAGAGGTCAGTATTATATATGCTTGTATTAATTAAGTGAGGAGAATTAATTGTCTT  
GCACTGGATCGTCGATCTCTAGTAATAAATGGAAACTTGCTGTGCATATATGCAG  
AGTTCCATGCGTTCGGCGAGGTGGAGTCAGGTTTCATGATCAATGGCCACGACTAC  
TTCAACCTCGTGCTCGTCACCAACGTTGGAGGGGCGGCTCCATTAGATCCATGG  
ATGTCAAGACCTCCGACTCCACGGACTGGATGCCCATGGCACGCAACTGGGGCGC  
AAACTGGCACTCTATGGCATATCTCAGTGGGAAAAGGCTCTCGTTCAGGGTCACC  
ATCACAGATGGTCAAACACTCGTGTTTACTAATGTGGTGCCGGCTGGCTGGACCT  
TCGGCTTGACATTCGCAAGCAATTTGCAGTTCAAGTGA