

## IDENTIFICATION

**Species:** *Miscanthus sinensis*

**Locus:** Misin01G211900

**Gene Model:** Misin01G211900.1.p

**Description:** McsEXPA-04

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

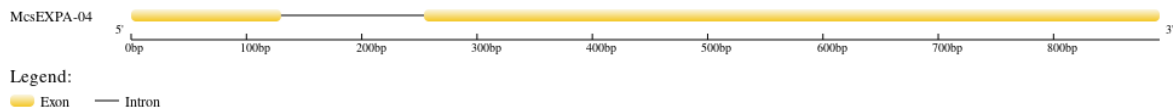
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Msinensis\\_v7\\_1](https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1)

KEGG:-

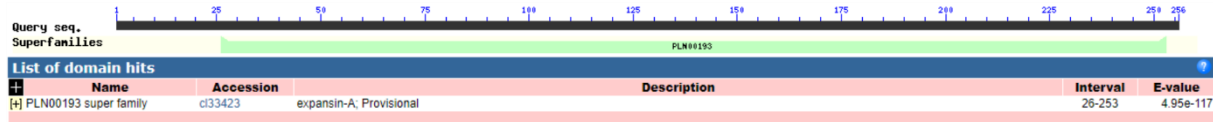
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>McsEXPA-04

METPKPLAVVFLALVALAAAPAVDAWSRGTATFYGGSDASGTMGGACGYGNLYAT  
GYGQYTAALSQVLYNDGASCGQCYQISCDSQTDARWCRQGAGPVTVTATNLCPPN  
YAYSGSNGGWCNPPRAHFDMSQPAWLQIGIYQGGIISVLYQRVSCVKQGGVRLTITG  
FNYYELVLISNVGGSGSVASAWVQGSNTNRVPMsrnWGANWQSLAGIAGQALTFG  
VTSSGGQTIIVFLNVPEKWVFGMSFTSNLQFSY\*

### CDS (coding sequence)

>McsEXPA-04

ATGGAGACACCCAAACCTCTGGCCGTAGTGTTCCTCGCGTGTGGTCGCGCTGGCTG  
CCGCGCCGGCTGTCGACGCCTGGTCCAGGGGCACCGCCACGTTCTACGGCGGCAG  
CGACGCCTCGGGAACAATGGGCGGGGCGTGCGGGTACGGCAACCTGTACGCGAC  
GGGCTACGGCCAGTACACGGCGGCCCTGAGCCAGGTCCTGTACAACGACGGCGC  
GTCGTGCGGGCAGTGCTACCAGATCTCCTGCGACTCGCAGACTGACGCGCGGTGG  
TGCCGGCAGGGCGCCGGCCCCGTCACCGTCACGGCCACCAACCTCTGCCCCGCCCA  
ACTACGCCTACTCCGGCAGCAACGGCGGCTGGTGCAACCCGCCGCGGGCGCACTT  
CGACATGTCCCAGCCGGCGTGGCTCCAGATCGGCATCTACCAGGGCGGCATCATC  
TCGGTGCTGTACCAGCGCGTGTCTGCGTGAAGCAGGGCGGGCGTGCCTTGACCA  
TCACCGGCTTCAACTACTACGAGCTGGTGCTCATCTCCAACGTCGGCGGCAGCGG  
CTCCGTGGCCAGCGCCTGGGTCCAGGGCTCCAACACCAACCGTGTGCCCATGAGC  
AGGAAGTGGGGCGCCAACCTGGCAGTCGCTTGGGGGATCGCCGGCCAGGCTCTC  
ACCTTCGGCGTTACGTCCAGCGGCGGACAGACCATCGTCTTCTGAACGTCGTGC  
CGGAGAAGTGGGTGTTTCGGCATGTCATTCACCAGCAACTTGCAGTTCTCTACTG  
A

### Nucleotide

>McsEXPA-04

ATGGAGACACCCAAACCTCTGGCCGTAGTGTTCCTCGCGTGTGGTCGCGCTGGCTG  
CCGCGCCGGCTGTCGACGCCTGGTCCAGGGGCACCGCCACGTTCTACGGCGGCAG  
CGACGCCTCGGGAACAATGGGTACGTACCCTACCCATGCTTACTACGTATAGGTG  
TAGTAGATTTTCAAGATTTCACTGCATGCATGTCATGTCGCGCTCCGATCCAGTTCTC  
ATCCAGTATGTAAACTGCCACATGATCGATCAGGCGGGGCGTGCGGGTACGGCA

ACCTGTACGCGACGGGCTACGGCCAGTACACGGCGGCCCTGAGCCAGGTCCTGTA  
CAACGACGGCGCGTCGTGCGGGCAGTGCTACCAGATCTCCTGCGACTCGCAGACT  
GACGCGCGGTGGTGCCGGCAGGGCGCCGGCCCCGTCACCGTCACGGCCACCAAC  
CTCTGCCCCGCCAACTACGCCTACTCCGGCAGCAACGGCGGGCTGGTGCAACCCGC  
CGCGGGCGCACTTCGACATGTCCCAGCCGGCGTGGCTCCAGATCGGCATCTACCA  
GGGCGGCATCATCTCGGTGCTGTACCAGCGCGTGTCTGCGTGAAGCAGGGCGGC  
GTGCGCTTGACCATCACCGGCTTCAACTACTACGAGCTGGTGCTCATCTCCAACG  
TCGGCGGCAGCGGCTCCGTGGCCAGCGCCTGGGTCCAGGGCTCCAACACCAACC  
GTGTGCCCATGAGCAGGAAGTGGGGCGCCAACTGGCAGTCGCTTGCGGGGATCG  
CCGGCCAGGCTCTCACCTTCGGCGTTACGTCCAGCGGCGGACAGACCATCGTCTT  
CCTGAACGTCGTGCCGGAGAAGTGGGTGTTCCGGCATGTCATTCACCAGCAACTTG  
CAGTTCTCCTACTGA