

## IDENTIFICATION

**Species:** *Miscanthus sinensis*

**Locus:** Misin04G144900

**Gene Model:** Misin04G144900.1.p

**Description:** McsEXPA-23

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

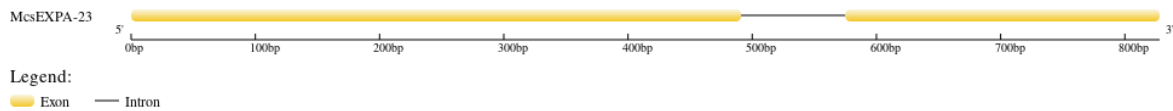
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Msinensis\\_v7\\_1](https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1)

KEGG:-

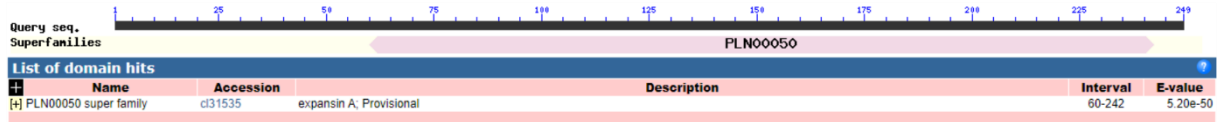
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>McsEXPA-23

MSGRHHSCTIWAPLLASLLLVELALSSAVGAKVVEEEEDDGGASKKKPHINHGKFKV  
DPWTDGHATFYGGRDGSGTTDGGACGYKGGELGKDYSTLTVAVGPSLYSNGAGCGV  
CYELKGTVVVMATNQAPPVSGQKGEHFELTMLAFLKITEEKDGIMPITYRKVVCVR  
QGGIQYTITGNPHYNMVMVTVNMGAGDVVGLSVKGNKRVKWTPMKCCWGQLWM  
TEVDLTGESLTFHVKTGDHRNFNTHS\*

### CDS (coding sequence)

>McsEXPA-23

ATGTCTGGTCGTCATCATTTCGTGTACAATATGGGCGCCTCTCCTAGCGTCACTGCT  
GCTCGTCGAGCTTGCGTTGTCGTCGGCCGTGGGAGCCAAGGTGGTGGAGGAGGA  
GGAGGACGACGGTGGAGCCAGTAAGAAGAAGCCCCACATTAACCACGGCAAGTT  
CAAGGTGGACCCGTGGACGGACGGGCACGCGACGTTCTACGGCGGGCGCGATGG  
GTCTGGCACCACGGACGGTGGCGCGTGTGGGTACAAGGGTGAGCTGGGAAAAGA  
CTACAGCACGCTGACGGTGGCCGTGGGCCCATCACTATATAGCAACGGGGCTGG  
GTGCGGCGTGTGCTACGAGCTCAAGGGCACCGTGGTGGTGATGGCCACCAACCA  
GGCCCCGCCCGCGGTGAGCGGGCAGAAGGGCGAGCACTTCGAGCTCACCATGCT  
GGCGTTCCTCAAGATCACCGAGGAGAAGGATGGCATCATGCCATCACCTACCGC  
AAGGTGGTGTGCGTGAGGCAAGGCGGCATCCAGTACACGATCACGGGGAACCCG  
CACTACAACATGGTGTGGTACGAACGTCGGTGGTGCCGGGGACGTGGTGGGG  
CTGTCCGGTGAAGGGCAACAAGCGCGTCAAGTGGACGCCGATGAAGTGCTGCTGG  
GGCCAGCTCTGGATGACGGAGGTCGACCTCACCGGTGAGTCGCTGACGTTCCACG  
TCAAGACCGGCGACCACCGCAATTTCAACACCCATAGT

### Nucleotide

>McsEXPA-23

ATGTCTGGTCGTCATCATTTCGTGTACAATATGGGCGCCTCTCCTAGCGTCACTGCT  
GCTCGTCGAGCTTGCGTTGTCGTCGGCCGTGGGAGCCAAGGTGGTGGAGGAGGA  
GGAGGACGACGGTGGAGCCAGTAAGAAGAAGCCCCACATTAACCACGGCAAGTT  
CAAGGTGGACCCGTGGACGGACGGGCACGCGACGTTCTACGGCGGGCGCGATGG  
GTCTGGCACCACGGACGGTGGCGCGTGTGGGTACAAGGGTGAGCTGGGAAAAGA  
CTACAGCACGCTGACGGTGGCCGTGGGCCCATCACTATATAGCAACGGGGCTGG

GTGCGGCGTGCTACGAGCTCAAGGGCACCGTGGTGGTGATGGCCACCAACCA  
GGCCCCGCCGCGGTGAGCGGGCAGAAGGGCGAGCACTTCGAGCTCACCATGCT  
GGCGTTCCTCAAGATCACCGAGGAGAAGGATGGCATCATGCCATCACCTACCGC  
AAGTACGTAGTAGTAGTGCAGCACTTCCGTATGCATGCGCATCATCTACCGATCT  
ACATACAAACAATTGACACACACATATGCAGGGTGGTGTGCGTGAGGCAAGGCG  
GCATCCAGTACACGATCACGGGGAACCCGCACTACAACATGGTGATGGTGACGA  
ACGTCGGTGGTGCCGGGGACGTGGTGGGGCTGTCGGTGAAGGGCAACAAGCGCG  
TCAAGTGGACGCCGATGAAGTGCTGCTGGGGCCAGCTCTGGATGACGGAGGTCG  
ACCTCACCGGTGAGTCGCTGACGTTCCACGTCAAGACCGGCGACCACCGCAATTT  
CAACACCCATAGT