

IDENTIFICATION

Species: *Miscanthus sinensis*

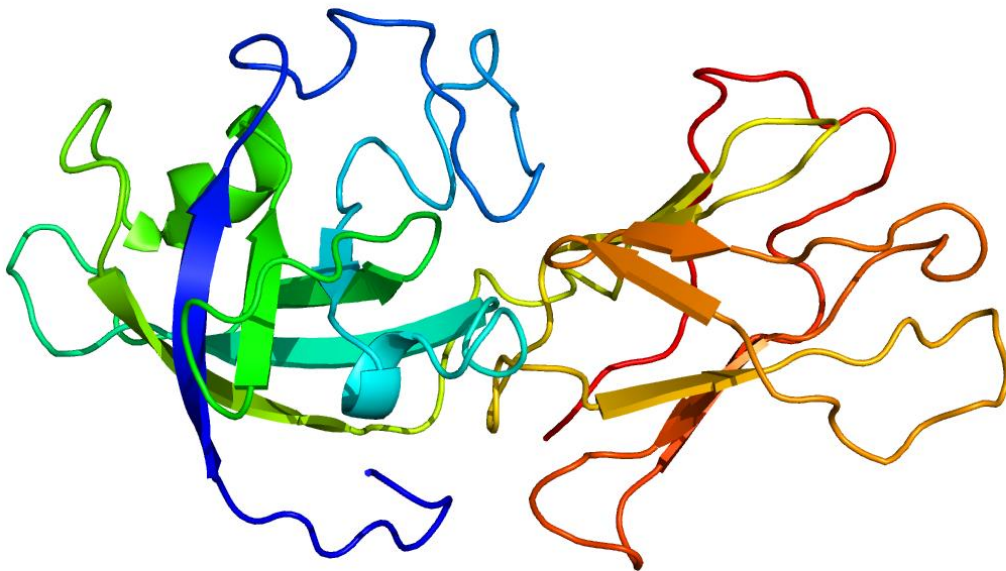
Locus: Misin18G004500

Gene Model: Misin18G004500.1.p

Description: McsEXPA-57

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

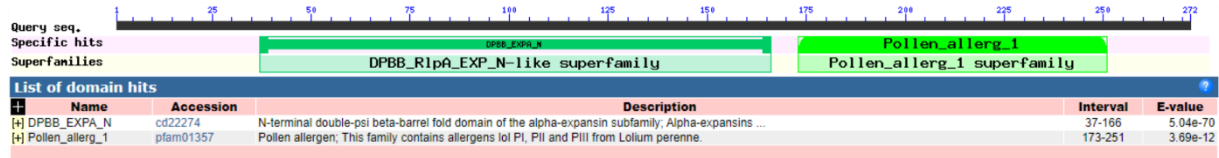
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>McsEXPA-57

MASRAPVIAVVAAVIMAAHLASGSGYDQAAAPFTTSDWQEGSATFYGDDSGLGADF
GGACGYGANDIQSLYSTRTAALSTPLFASGSGCGQCYELRCVNSRWCNPGSPSVVVT
GTNLCPPNWNLPSDNGGWCNPPRQHFDMAPPSFLILAPRVAGIVPVQFRRVPCQRSG
GVRFYVQGNYYWLLLYVMNVGSGDFGDLAVKRAGEPDCNYVPASRNWGITYQV
FAALGNTRGLVVRMTSYSSPRKTIVDDAITAWWSTGLSYQGSNNFY*

CDS (coding sequence)

>McsEXPA-57

ATGGCGTCGAGAGCTCCGGTGATCGCCGTCGTCGCGGGCCGTGATCATGGCGGCAC
ACCTCGCGAGCGGCAGCGGCTATGACCAGGCCGCCGCGCCCTTCACGACGTCGG
ACTGGCAAGAAGGCAGCGCCACGTTCTACGGCGACGACTCCGGCCTCGGCGCAG
ACTTCGGCGGCGCGTGC GGCTACGGCGCCAATGACATCCAGTCGCTCTACTCGAC
GCGCACGGCGGCGCTGAGCACGCCGCTGTTCGCGAGCGGCAGCGGGTGCGGGCA
GTGCTACGAGCTGCGGTGCGTGA ACTCCC GGTTGGTGAACCCGGGTTTCGCCGTCC
GTCGTGGTCACCGGCACCAACCTGTGCCCGCCCAACTGGAATCTCCCCAGCGACA
ACGGCGGGTGGTGAACCCGCCACGGCAGCACTTCGACATGGCGCCGCCGTTCGTT
CCTGATCCTCGCGCCGCGGGTGGCGGGCATCGTCCCCGTGCA GTTCCGCCGCGTG
CCGTGCCAGCGCTCCGGCGGGGTCAGGTTCTACGTGCAGGGCAACTACTACTGGC
TCTTGCTCTACGTCATGAACGTCGGCGGCAGCGGTGACTTCGGCGACCTAGCCGT
CAAGAGGGCCGGCGAGCCGGACTGCAACTACGTGCCCGCGTTCGCGCAACTGGGG
CATCACGTACCAGGTGTTCCGCCGCGCTCGGCAACACCCGGGGCCTCGTCGTCAGG
ATGACCAGCTACAGCTCGCCGCGGAAGACCATCGTCGTCGACGACGCCATCACCG
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Nucleotide

>McsEXPA-57

ATGGCGTCGAGAGCTCCGGTGATCGCCGTCGTCGCGGGCCGTGATCATGGCGGCAC
ACCTCGCGAGCGGCAGCGGCTATGACCAGGCCGCCGCGCCCTTCACGACGTCGG
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CAAACCTTGCTAATCAGGCTAAACAACAGTAATTTGGATCTCGTGTGGTCTAATTA
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