

IDENTIFICATION

Species: *Miscanthus sinensis*

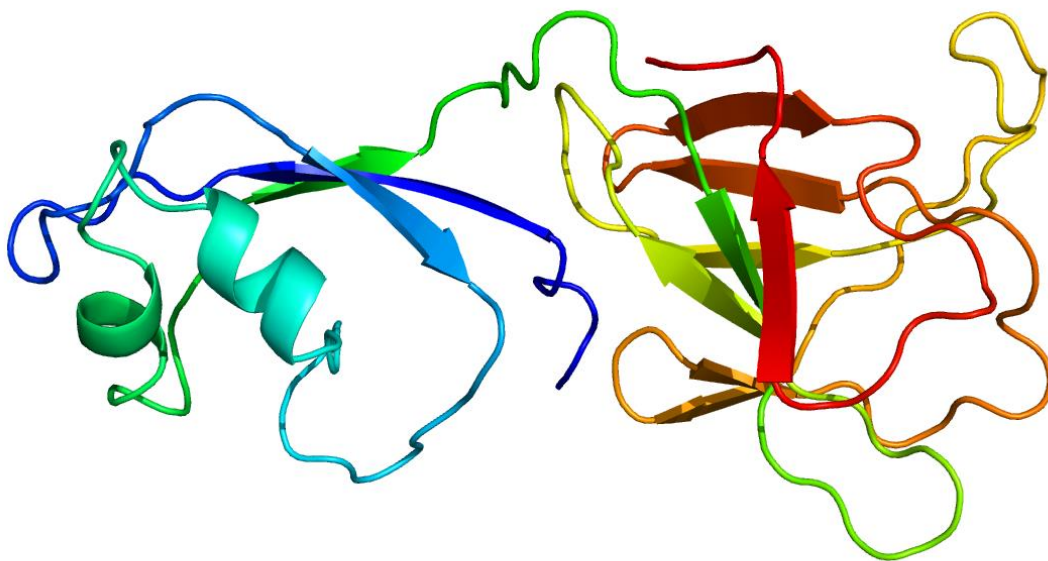
Locus: Misin02G274200

Gene Model: Misin02G274200.3.p

Description: McsEXPB-25

Family: Beta Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

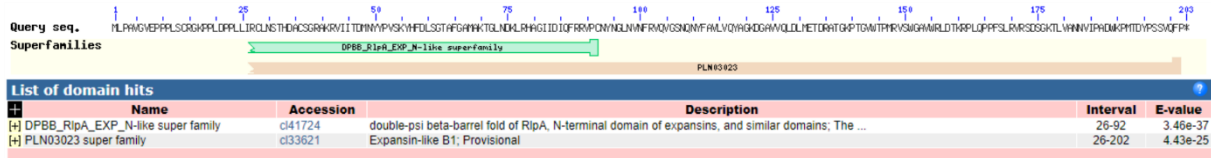
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>McsEXPB-25

MLPAVGVEPPPLSCRGKPLDPPLLIRCLNSTHDACSGRAKRVIIIDMNYYPVSKYHF
 DLSGTAFGAMAKTGLNDKLRHAGIIDIQFRRVPCNYNGLNVNFRVQVGSNQNIFYAV
 LVQYAGKDGAVVQLDLMETDRATGKPTGVWTPMRVSWGAVWRLDTKRPLQPPFS
 LRVRSDSGKTLVANNVIPADWKPMTDYPSSVQFP*

CDS (coding sequence)

>McsEXPB-25

ATGCTACCAGCTGTAGGAGTGGAGCCCCCCCCCTCAGCTGTAGGGGGAAGCCCC
 CCCTAGATCCGCCCTGCTGATACGGTGCCTCAATAGCACCCACGACGCTTGCTC
 CGGCAGAGCGAAGCGTGTGATCATCACCGACATGAACTACTACCCGGTGTCCAA
 GTACCACTTCGACCTCAGCGGCACGGCGTTCGGCGCCATGGCCAAGACCGGGGCTC
 AACGACAAGCTCCGCCACGCGGGC ATCATCGACATCCAGTTCAGGCGGGTGCCCT
 GCAACTACAATGGCCTGAACGTCAACTTCCGCGTCCAGGTGGGCTCCAACCAGAA
 CTACTTCGCGGTGCTGGTGCAGTACGCGGGCAAGGACGGCGCCGTGGTGCAGCTG
 GACCTGATGGAGACCGACAGGGCCACCGGCAAGCCGACGGGCGTGTGGACGCCG
 ATGCGCGTGTCTGGGGCGCCGTCTGGCGCCTGGACACCAAGCGCCCCTGCAGC
 CGCCCTTCTCGCTGCGCGTTCGGAGCGACTCCGGCAAGACGCTGGTGGCCAACAA
 CGTCATCCCGGCCGACTGGAAGCCGATGACCGACTACCCCTCCTCCGTCCAGTTC
 CCCTAG

Nucleotide

>McsEXPB-25

TGTTGTCCTCCGGTTCGACCAACAAAACACCGACGACCGAACATCCAAGTACAA
 GACTCGCTAATCTTGAAAATTATAAGTGACTAGCTGCTGGTTCATCGAGCTGA
 GATGGCCGCCGCCGTGATCTCCATCTCCTCCTCAAAGGTTGCTGCACTCGCTGCAC
 TGTTTCGTGGTGTCTCGGATGTACGCCGAGGCGGCGAGCCCCAACGGCGGCTGGCA
 GGCGGCCAAGGCCACCTGGTACGGCGCGCCCAACGGCGCCGGCCCTGACGACAA
 CGGTACGTGCGTGCCTCCCCGCACACGGTGGTTGCTACTACCAATGCCCGTGTGC
 ATGTCTGACGTTGTCGTGTCATATCTGTGCAGGCGGCGCGTGCGGGTTCAAGAAC
 ACCAACCAGTACCCGTACATGTCCATGACGTCGTGCGGTAACCAGCCCCTGTTCA

AGGACGGCAAGGGCTGCGGCGCATGCTACCAGGTAGTAGAGTACTCTACAAATA
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GGTGCAGCTGGACCTGATGGAGACCGACAGGGCCACCGGCAAGCCGACGGGCGT
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AAAATGGTGTGTCGACGTTGTAAGTACGTGTCTTCAGATGCGTGGGATAATGGA
GGAGGCAATGTGATCTCCCGCCCACCATTGCAACATTTGAAAATAATAACATGCT
GTTTGT