

IDENTIFICATION

Species: *Miscanthus sinensis*

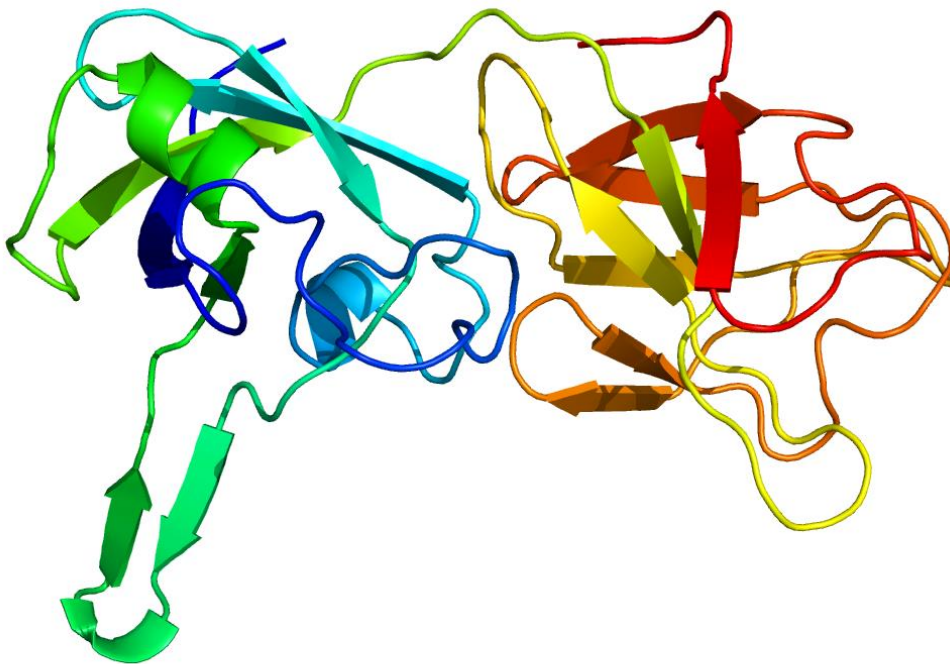
Locus: Misin02G208700

Gene Model: Misin02G208700.1.p

Description: McsEXPA-12

Family: Alpha Expansin

3D structure:



GENOME DATABASES

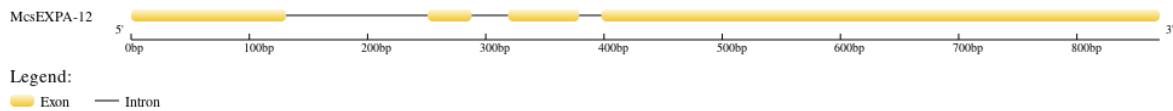
Phytozome: https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1

KEGG:-

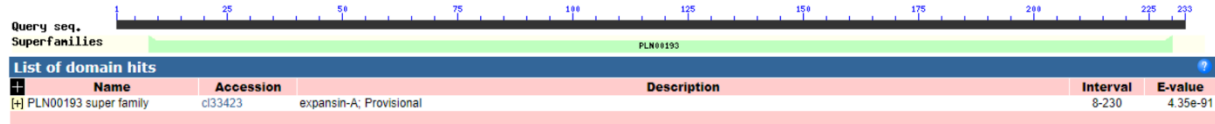
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>McsEXPA-12

MDTSSRSLILCTVVLAHAFRLAAAGWSQGTATFYGDADGSGTMGGACGYGNLYNA
GQTLFNNGASCQCYLITCDSGASRATTNLCPPNYGLPNGGWCGPGRPHFDMSQPA
WEHIGVVQGGIIPVLYQQVTCTRQGGVRFISIAGSQYFLLVNIQNVGGSGAVGAAWV
KGDKTGWIQMSRNWGANWQALSGLVGQGLSFAVTTTGGQYLQFMNVVPGWWQF
GMTFSTNRNFAY*

CDS (coding sequence)

>McsEXPA-12

ATGGACACGTCGTCCAGATCCCTGATCCTGTGCACAGTCGTCCTCGCACATGCCTT
TAGGCTCGCCGCCCGCGGCTGGTCTCAGGGCACCGCGACGTTTTACGGCGATGCC
GACGGCTCCGGCACCATGGGTGGCGCATGCGGGTACGGCAACCTGTACAACGCC
GGCCAGACGCTGTTCAACAACGGCGCGTTCGTGCGGGCAGTGCTACCTCATCACCT
GCGACAGTGGTGCAAGCCGGGCAACCACCAACCTGTGCCCGCCCAACTACGGGC
TCCCCAACGGCGGGTGGTGGCGGCCCGGGCCGCCCCACTTCGACATGTCGCAGCC
GGCGTGGGAGCACATAGGCGTCGTGCAGGGTGGCATCATCCCCGTCCTGTACCAG
CAGGTCACGTGCACCCGCCAAGGCGGGTGCAGCTTCAGCATCGCTGGTTCGCAGT
ACTTCCTGCTCGTCAACATCCAGAACGTCGGCGGCAGCGGCGCCGTGGGCGCCGC
CTGGGTGAAGGGCGACAAGACGGGGTGGATCCAGATGTCCAGGAAGTGGGGCGC
CAACTGGCAGGCGCTGTCGGGCCTCGTCGGACAAGGGCTCAGTTTCGCCGTCACC
ACCACCGGCGGGCAGTACCTTCAGTTCATGAACGTCGTGCCGGGGTGGTGGCAGT
TCGGCATGACCTTCAGCACCAACAGAAATTTGCCTACTAA

Nucleotide

>McsEXPA-12

ATGGACACGTCGTCCAGATCCCTGATCCTGTGCACAGTCGTCCTCGCAGCATGCC
TTTAGGCTCGCCGCCCGCGGCTGGTCTCAGGGCACCGCGACGTTTTACGGCGATG
CCGACGGCTCCGGCACCATGGGTAAAGATATTGTGTGTGTGTGTGTGTGTGTGT
GTGTGTGTATTGTATTGCTGTACAATAGCTGTACACATTTTGTATACTAATTAATC
CAATCAATGCATACATGTGTATGTATTTAGGTGGCGCATGCGGGTACGGCAACCT
GTACAACGCCGGGTATATATGGCATTAAACAACGCGGGCGCTAAGCCAGACGCTGTT
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GCAGTACTTCCTGCTCGTCAACATCCAGAACGTCGGCGGCAGCGGGCGCCGTGGGC
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TCACCACCACCGGCGGGCAGTACCTTCAGTTCATGAACGTCGTGCCGGGGTGGTG
GCAGTTCGGCATGACCTTCAGCACCAACAGAAATTTGCCTACTAA