

IDENTIFICATION

Species: *Miscanthus sinensis*

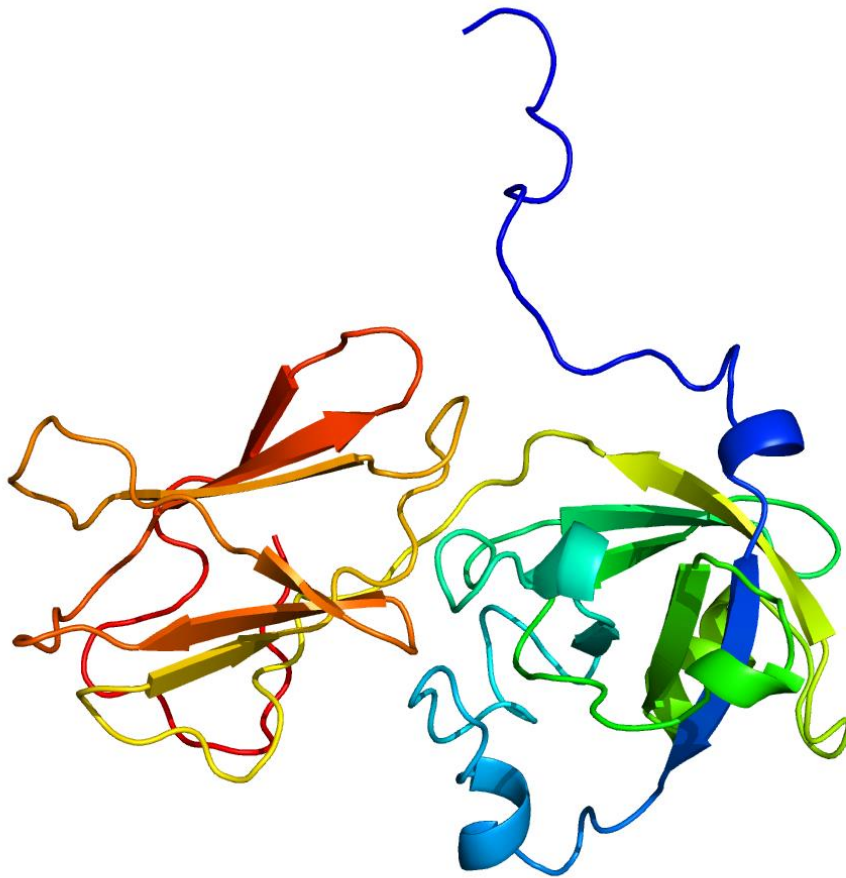
Locus: Misin03G262600

Gene Model: Misin03G262600.1.p

Description: McsEXPA-22

Family: Alpha Expansin

3D structure:



GENOME DATABASES

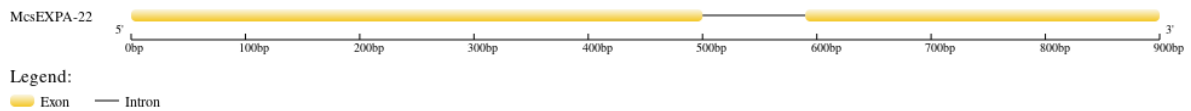
Phytozome: https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1

KEGG:-

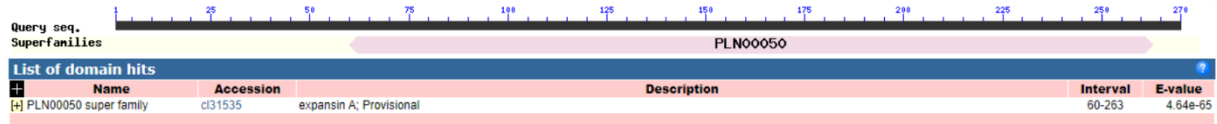
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>McsEXPA-22

MSGRRRSWTIWAPLLASLLLVGLASSAAGAKVVEEEEDDGGASKKKLHVNHGKFK
ADPWTGDGHATFYGGRDGS GTTDGGACGYK GELGKDYGALTA AVGPSLYSNGAGCG
ACYELKGT KGT VVV TATNQAPPV T GQKGEHFDLTMPAFLKIAEEKAGIVPITYRKV
ACVRQGGIRYTITGNPHYNMVMVTNVGGAGDVVGLSVKGNKRVKWTPMKRSWGQ
LWTTEVDLTGESLTFRVMTGDHRKATSWHVAPRDWKFDKTYQATKNF*

CDS (coding sequence)

>McsEXPA-22

ATGTCTGGTCGTCGTCGTTTCGTGGACAATATGGGCGCCTCTCCTGGCGTCGCTGCT
GCTCGTCGGGCTCGCGTCGTCGTCGGCCGCGGGCGCCAAGGTGGTGGAGGAGGA
GGAGGACGACGGCGGAGCCAGCAAGAAGAAGCTCCACGTTAACCACGGCAAGTT
CAAGGCGGACCCGTGGACGGATGGGCACGCGACGTTCTACGGAGGGCGCGACGG
GTCCGGCACCACGGACGGCGGCGCGTGCGGGTACAAGGGCGAGCTGGGAAAAGA
CTACGGCGCGCTGACGGCGGCCGTGGGCCCGTCACTGTATAGCAACGGGGCCGG
GTGCGGCGCGTGCTACGAGCTCAAGGGCACCAAGGGCACCGTGGTGGTGACGGC
CACCAACCAGGCCCGCCGCGGTGACCGGGCAGAAGGGCGAGCACTTCGACCT
CACCATGCCGGCGTTCCTCAAGATCGCCGAGGAGAAGGCCGGCATCGTGCCATC
ACCTACCGCAAGGTGGCGTGCGTGAGGCAAGGCGGCATCCGGTACACGATCACG
GGGAACCCGCACTACAACATGGTGATGGTGACGAACGTCGGCGGCGCCGGGGAC
GTGGTGGGGCTGTCGGTGAAGGGCAACAAGCGCGTCAAGTGGACGCCGATGAAG
CGCAGCTGGGGCCAGCTTTGGACGACGGAGGTCGACCTCACCGGCGAGTCGCTG
ACGTTCCGCGTCATGACCGGCGACCACCGCAAGGCCACCTCCTGGCACGTCGCGC
CCCGTGACTGGAAGTTCGACAAGACGTACCAGGCCACCAAGA AACTTCTAG

Nucleotide

>McsEXPA-22

ATGTCTGGTCGTCGTCGTTTCGTGGACAATATGGGCGCCTCTCCTGGCGTCGCTGCT
GCTCGTCGGGCTCGCGTCGTCGTCGGCCGCGGGCGCCAAGGTGGTGGAGGAGGA
GGAGGACGACGGCGGAGCCAGCAAGAAGAAGCTCCACGTTAACCACGGCAAGTT
CAAGGCGGACCCGTGGACGGATGGGCACGCGACGTTCTACGGAGGGCGCGACGG
GTCCGGCACCACGGACGGCGGCGCGTGCGGGTACAAGGGCGAGCTGGGAAAAGA

CTACGGCGCGCTGACGGCGGCCGTGGGCCCCGTCCTGTATAGCAACGGGGCCGG
GTGCGGGCGCGTGCTACGAGCTCAAGGGCACCAAGGGCACCGTGGTGGTGACGGC
CACCAACCAGGCCCCCGCCGCCGGTGACCGGGCAGAAGGGCGAGCACTTCGACCT
CACCATGCCGGCGTTCCTCAAGATCGCCGAGGAGAAGGCCGGCATCGTGCCCATC
ACCTACCGCAAGTACGTAGTAGTAGTAGTAGTGTAGCACTTCCGTATGCATGCGC
ATCATCTACCGATCTACGTACAAACAATTGACACACGCATATGCAGGGTGGCGTG
CGTGAGGCAAGGCGGCATCCGGTACACGATCACGGGGAACCCGCACTACAACAT
GGTGATGGTGACGAACGTCGGCGGGCGCCGGGGACGTGGTGGGGCTGTCGGTGAA
GGGCAACAAGCGCGTCAAGTGGACGCCGATGAAGCGCAGCTGGGGCCAGCTTTG
GACGACGGAGGTTCGACCTCACCGGCGAGTCGCTGACGTTCCGCGTCATGACCGGC
GACCACCGCAAGGCCACCTCCTGGCACGTCGCGCCCCGTGACTGGAAGTTCGACA
AGACGTACCAGGCCACCAAGAACTTCTAG