

IDENTIFICATION

Species: *Miscanthus sinensis*

Locus: Misin04G286700

Gene Model: Misin04G286700.1.p

Description: McsEXPA-25

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

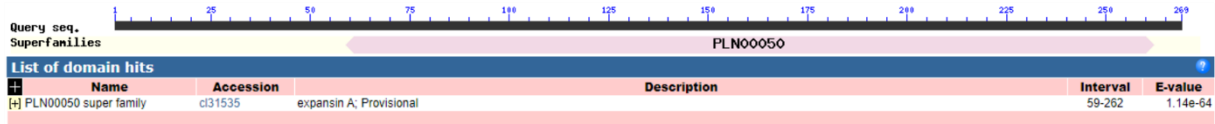
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>McsEXPA-25

MPGRRSWSIWAPLLASLLLVGLASSAVGAKVVEDEDEDDGGASKKKPHVNHGKFK
ADPWTGDGHATFYGRRDGS GTTDGGACGYKGEQGKDYGALTA AVGPSLYSNGAGC
GACYELKGTGKT VVV TATNQAPPPVSGQKGEHFDLTMPAFLKIAEEKAGIVPITYRK
VACVRQGGIRY TITGNPHYNMVMVTNVGGAGDVVGLSVKGNKR VKW TSMKRSWG
QLWTTEVDLTGESL TFRVMTGDHRKATSWHVAPRDWKFDKTYQATKNF*

CDS (coding sequence)

>McsEXPA-25

ATGCCTGGTCGTCGTTTCGTGGTCAATATGGGCGCCTCTCCTGGCGTCGCTGCTGCT
CGTCGGGCTCGCGTCGTCGGCCGTGGGCGCCAAGGTGGTGGAGGACGAGGACGA
GGACGACGGCGGCGCCAGCAAGAAGAAGCCCCACGTTAACCACGGCAAGTTCAA
GGCGGACCCGTGGACGGACGGGCACGCGACGTTCTACGGCAGGCGCGACGGGTC
CGGCACCACGGACGGCGGCGCGTGC GGGTACAAGGGCGAGCAGGGAAAAGACT
ACGGCGCGCTGACGGCGGCCGTGGGCCCCGTCGCTGTACAGCAACGGGGCCGGGT
GCGGCGCGTGCTACGAGCTCAAGGGCACCAAGGGCACCGTGGTGGTGACGGCCA
CCAACCAAGCCCCGCCCGCGGTGAGCGGGCAGAAGGGCGAGCACTTCGACCTCA
CCATGCCGGCGTTCCTCAAGATCGCCGAGGAGAAGGCCGGCATCGTGCCCATCAC
CTACCGCAAGGTGGCGTGCGTGAGGCAAGGCGGCATCCGGTACACGATCACAGG
GAACCCGCACTACAACATGGTGATGGTGACCAACGTGGGCGGCGCCGGCGACGT
GGTGGGGCTGTCCGGTGAAGGGCAACAAGCGCGTCAAGTGGACGTCGATGAAGCG
CAGCTGGGGCCAGCTCTGGACCACGGAGGTCGACCTCACGGGCGAGTCGCTGAC
GTTCCGGGTCATGACCGGCGACCACCGCAAGGCCACCTCCTGGCACGTCGCGCCC
CGCGACTGGAAGTTCGACAAAACGTACCAGGCCACCAAGAACTTCTAG

Nucleotide

>McsEXPA-25

ATGCCTGGTCGTCGTTTCGTGGTCAATATGGGCGCCTCTCCTGGCGTCGCTGCTGCT
CGTCGGGCTCGCGTCGTCGGCCGTGGGCGCCAAGGTGGTGGAGGACGAGGACGA
GGACGACGGCGGCGCCAGCAAGAAGAAGCCCCACGTTAACCACGGCAAGTTCAA
GGCGGACCCGTGGACGGACGGGCACGCGACGTTCTACGGCAGGCGCGACGGGTC
CGGCACCACGGACGGCGGCGCGTGC GGGTACAAGGGCGAGCAGGGAAAAGACT

ACGGCGCGCTGACGGCGGCCGTGGGCCCCGTCGCTGTACAGCAACGGGGCCGGGT
GCGGCGCGTGCTACGAGCTCAAGGGCACCAAGGGCACCGTGGTGGTGACGGCCA
CCAACCAAGCCCCGCCGCCGGTGAGCGGGCAGAAGGGCGAGCACTTCGACCTCA
CCATGCCGGCGTTCCTCAAGATCGCCGAGGAGAAGGCCGGCATCGTGCCCATCAC
CTACCGCAAGTACGTAGTAGTAGTGTAGCACTTCCACATGCATGCGCATCATATA
TGTATAGGCCATGTTTCGCTTCTCTTATAATTTCGTACTIONTTTCAGCTTGTTTTTTTCAGC
CGGAATAATATTTTTCTTTCACAACAAATCAGCTGGAACAGTGTTTTTCGGCTTTTTT
TTTCAGCGAAGGGCGGCATCCGTACAAACAACACTGACACATGTACGTGCAGGGTGG
CGTGCGTGAGGCAAGGGCGGCATCCGGTACACGATCACAGGGAACCCGCACTACA
ACATGGTGATGGTGACCAACGTGGGCGGGCGCCGGCGACGTGGTGGGGCTGTCCG
TGAAGGGCAACAAGCGCGTCAAGTGGACGTCGATGAAGCGCAGCTGGGGCCAGC
TCTGGACCACGGAGGTCGACCTACCGGGCGAGTCGCTGACGTTCCGGGTCATGAC
CGGCGACCACCGCAAGGCCACCTCCTGGCACGTCGCGCCCCGCGACTGGAAGTTC
GACAAAACGTACCAGGCCACCAAGAACTTCTAG