

IDENTIFICATION

Species: *Miscanthus sinensis*

Locus: Misin19G187200

Gene Model: Misin19G187200.1.p

Description: McsEXPA-59

Family: Alpha Expansin

3D structure:



GENOME DATABASES

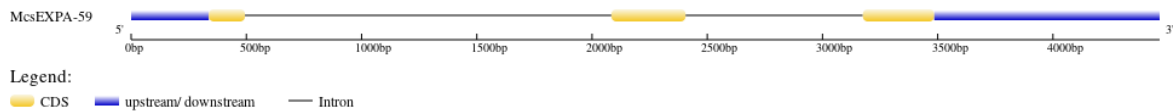
Phytozome: https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1

KEGG:-

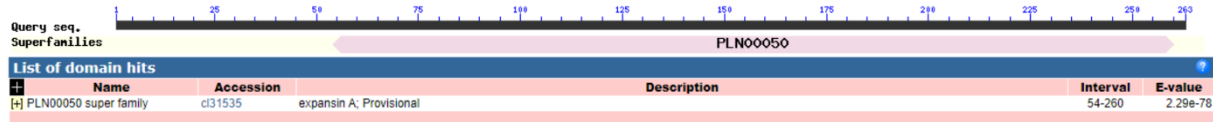
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>McsEXPA-59

MVSSLPLFLLLLLLLLSAASFGGGVRLGNNGGYEDWRLGTATYVKEFQSHPLNDGGGA
CGYGDLDIFRYGRYTTGLSAALFGRGSACGGCYELRCVNHQWCLRGSPTVVVTAT
DFCPANMGLADEAGGWCFPREHLELSEAFLRVAKAKADIVPVQFRRVSCDRAGG
MRFTITGSAHFLQVLITNVAADGEVAAVKVKGSRGTGWIPMGRNWGQNWQCDADLR
GHPLSFEVTGGRGRTATAYSVAPADWMFAQTFEGKQLAE*

CDS (coding sequence)

>McsEXPA-59

ATGGTGAGCTCCCTGCCGCTGTTCTTGCTGCTGCTGCTGCTGCTCTCTGCGGCCAG
CTTCGGCGGGCGGCGTGAGGCTCGGCAATGGCGGCTACGAGGACTGGAGGCTCGG
CACCGCCACCTACGTCAAGGAGTTCCAATCGCATCCTCTCAACGACGGTGGTGGC
GCCTGCGGCTACGGCGACCTGGACATCTTCAGGTACGGCCGCTACACGACGGGGC
TGAGCGCAGCGCTGTTTCGGGCGCGGCAGCGCCTGCGGCGGCTGCTACGAGCTCCG
GTGCGTGAACCACATCCAGTGGTGCCTCCGGGGTAGCCCCACGGTGGTGGTGACG
GCGACGGACTTCTGCCCCGCCAACATGGGCCTCGCCGACGAGGCCGGCGGCTGGT
GCAACTTCCCACGGGAGCACCTCGAGCTGTCCGAGGCCGCTTCTCCGCGTCGC
CAAGGCCAAGGCCGACATCGTGCCCGTGCAGTTCGAAGGGTGAGCTGCGACAG
GGCGGGCGGCATGCGGTTACCATCACCGGCAGCGCCACTTCTGCAGGTGCTG
ATCACCAACGTGGCGGCGGACGGCGAGGTGGCGGCCGTGAAGGTGAAGGGGTCG
AGGACGGGGTGGATCCCGATGGGGCGGAACTGGGGCCAGAACTGGCAGTGCGAC
GCCGACCTCCGCGGCCATCCGCTGTCTGTTTCGAGGTCACCGGCGGGAGGGGCAGG
ACGGCCACCGCCTACAGCGTAGCGCCGGCGGACTGGATGTTTCGCGCAGACGTTTG
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Nucleotide

>McsEXPA-59

CGGCCTCTGCCCCACTGCCGCAAATCCCAATAAAGCCAGTGCAGAAAGGAAGC
GGGCAAAGCAGCCTCGCCTTCTTCTACACAACCCGCCGGTCTCTCCCTCTCTG
CCCCGCTCTGTACCTTTGACTCCCCATTCCGGTCTCCTCCCTCTGCTCCCTCCA
TCCCACCACCACGGCCAAGCAAACACACTGTACATTTTCAGTTCAGACAGTCCAA
GAACAGCACCAGGAAAGGCTCCTTGCCGCTGTTCTTGCTGCTGCTGCTGTTCTTG

TCGACTAGGATAGGAGAGCTCCCTGCCGCTGGTTGATCAACAGCGGACGGGGCGG
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