

IDENTIFICATION

Species: *Miscanthus sinensis*

Locus: Misin02G470900

Gene Model: Misin02G470900.1.p

Description: McsEXPA-19

Family: Alpha Expansin

3D structure:



GENOME DATABASES

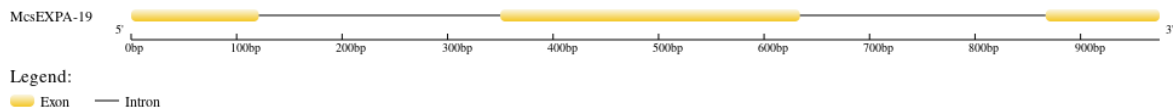
Phytozome: https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1

KEGG:-

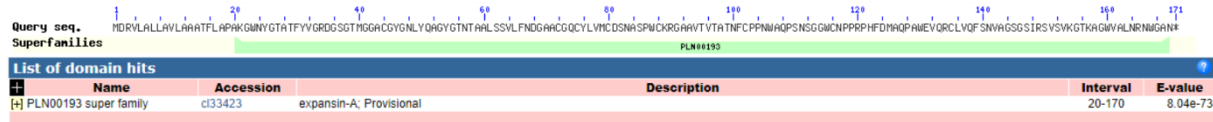
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>McsEXPA-19

MDRVLALLAVLAAATFLAPAKGWN
YGTATFYVGRDGSMTMGGACGYGNLYQAGY
GTNTAALSSVLFNDGAACGQCYLVMCD
SNASPWCKRGAAVTVTATNFCPPNWAQP
SNSGGWCNPPRPHFDMAQPAWEVQRCLV
QFSNVAGSGSIRSVSVKGTKAGWVALN
RNWGAN*

CDS (coding sequence)

>McsEXPA-19

ATGGACAGAGTCTTGGCATTGCTCGCCGTCCTGGCGGCGGCGACGTTCTTAGCAC
CGGCGAAGGGCTGGAACACTACGGGACGGCGACGTTCTACGTCGGCCGCGACGGCT
CCGGCACAATGGGTGGCGCGTGCGGGTACGGCAACCTGTACCAGGCCGGGTACG
GGACGAACACGGCGGCGCTGAGCTCGGTGCTGTTCAACGACGGCGCGGCGTGCG
GGCAGTGCTACCTGGTGATGTGCGACAGCAACGCGTCCCCCTGGTGCAAGCGCGG
CGCCGCGGTGACCGTACGGCCACCAACTTCTGCCCGCCAACTGGGCGCAGCCC
AGCAACAGCGGCGGCTGGTGCAATCCGCCGCGGCGCATTTCGACATGGCGCAG
CCCGCGTGGGAGGTGCAGCGTTGCTGGTGCAAGTCTCCAACGTGGCCGGCAGCG
GCTCCATCCGGTCCGTGTCGGTGAAGGGCACCAAGGCCGGGTGGGTGCGCGCTGA
ACCGCAACTGGGGCGCCAACTAG

Nucleotide

>McsEXPA-19

ATGGACAGAGTCTTGGCATTGCTCGCCGTCCTGGCGGCGGCGACGTTCTTAGCAC
CGGCGAAGGGCTGGAACACTACGGGACGGCGACGTTCTACGTCGGCCGCGACGGCT
CCGGCACAATGGGTAAATAACAACACTGCTCCAAAGCCGCGTGCAAGTGCAGTGTGG
ATTCATTCCCGAGGCTAACCAGCAGCACTCGATCATCAGCCTGTTTCGTTTGGCCGT
GGCTTGTCGTAAATAATCATAAATTTCCAGCTGAAACAGTATTTTTCTCTCACACA
AACCAGCAAGCAGTACTTCTTCACGAACCAGCAATAATACGAACCACGAACCAG
CCAACCGAAGCTTACGTGTAGGTGGCGCGTGCGGGTACGGCAACCTGTACCAGG
CCGGGTACGGGACGAACACGGCGGCGCTGAGCTCGGTGCTGTTCAACGACGGCG
CGGCGTGCGGGCAGTGCTACCTGGTGATGTGCGACAGCAACGCGTCCCCCTGGTG
CAAGCGCGGCGCCGCGGTGACCGTACGGCCACCAACTTCTGCCCGCCAACTGG
GCGCAGCCCAGCAACAGCGGCGGCTGGTGCAATCCGCCGCGGCGCATTTCGAC

ATGGCGCAGCCCGCGTGGGAGGTGCAGCGTTGCGTACGTGTCTTCTTCTTATATA
TATCCTGGCATAATCCCCGTCCTCTACCAGCAGTAAGTGCAGTGTGCAGGTGCAG
CGTTGCGTACGTGTCTTCTTCTTATATATATCCTGGCTTCTTTCCTGCCTTCTCCG
ACGAACTCATCGCCGGTCCGGTGATGGTGGTGGTGCAGGGTGACGTGCTGGAGG
CAGGGAGGGATGAGAATCACCATCGGAGGGTCCAGTTTCTTCCAGCTGGTGCAGT
TCTCCAACGTGGCCGGCAGCGGCTCCATCCGGTCCGTGTCGGTGAAGGGCACCAA
GGCCGGGTGGGTTCGCGCTGAACCGCAACTGGGGCGCCA ACTAG