

IDENTIFICATION

Species: *Miscanthus sinensis*

Locus: Misin01G211700

Gene Model: Misin01G211700.1.p

Description: McsEXPA-02

Family: Alpha Expansin

3D structure:



GENOME DATABASES

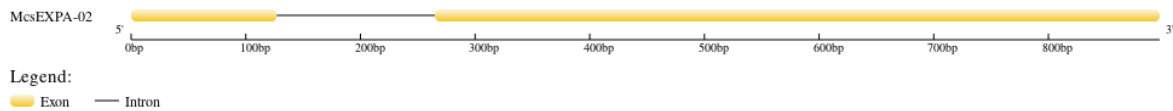
Phytozome: https://phytozome-next.jgi.doe.gov/info/Msinensis_v7_1

KEGG:-

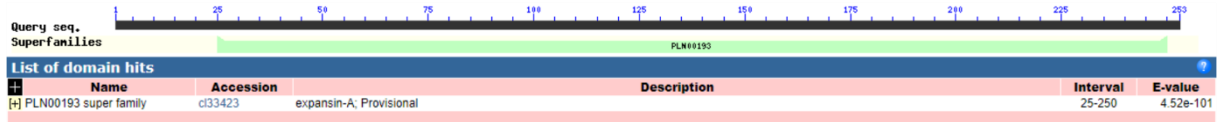
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>McsEXPA-02

MDTSSRSLILCAVLAACLGLAAAGWSQGTATFYGDADGSGTMGGACGYGNLYNAG
YGINNAALSQTLFNNGASCQCYLITCDRSRPGGQWCKPGNSITVSATNLCPPNYGLP
NGGWCGPGRPHFDMSQPAWEHIGVVQGGIIPVLYQQVTCTRQGGVRFISIAGSQYFLL
VNIQNVGGSGAVAAA WVKGDNTGWIQMSRNWGANWQALAGLVGQGLSFAVTTTG
GQYLQFMYYVPGWWQFGMTFGTNRNFAY*

CDS (coding sequence)

>McsEXPA-02

ATGGACACGTCGTCCAGATCCCTGATCCTGTGCGCAGTCCTTGCAGCCTGCCTTG
GGCTCGCCGCCGCAGGCTGGTCTCAGGGCACCGCGACGTTCTACGGCGATGCCGA
CGGCTCCGGCACGATGGGTGGCGCGTGCGGGTACGGCAACCTGTACAACGCCGG
GTACGGCATTAAACAACGCAGCGCTGAGCCAGACGCTGTTCAACAACGGCGCGTC
GTGCGGGCAGTGCTACCTCATCACGTGCGACAGGTCACGTCCGGGCGGGCAGTG
GTGCAAGCCGGGCAACTCCATCACGGTGTCGGCCACCAACCTGTGCCCGCCCAAC
TACGGGCTCCCCAACGGCGGGTGGTGC GGCCCGGGCCGCCCCACTTCGACATGT
CGCAGCCGGCGTGGGAGCACATCGGCGTTCGTGCAGGGCGGCATCATCCCGGTCTT
GTACCAGCAGGTCACGTGCACCCGCCAGGGCGGGCGTGC GATTACGATCGCGGG
TTCCCAATACTTCTGCTCGTCAACATCCAGAACGTCGGCGGCAGCGGCCCGGTG
GCTGCCGCTGGGTGAAGGGTGACAATACGGGTGGATCCAGATGTCCAGGAAC
TGGGGCGCCAACTGGCAGGCGCTCGCTGGGCTCGTCGGCCAGGGTCTCAGCTTCG
CCGTCACCACCACCGGCGGGCAGTACCTTCAGTTCATGTACGTTCGTGCCGGGGTG
GTGGCAGTTCGGCATGACCTTCGGCACCAACAGAAATTTTCGCCTACTAA

Nucleotide

>McsEXPA-02

ATGGACACGTCGTCCAGATCCCTGATCCTGTGCGCAGTCCTTGCAGCCTGCCTTG
GGCTCGCCGCCGCAGGCTGGTCTCAGGGCACCGCGACGTTCTACGGCGATGCCGA
CGGCTCCGGCACGATGGGTAAGTAGGAGTATAGTGTATATATTGCATGCATTGTA
TTGCTGTACAATAGCTGTGCACATTTTGTATAGGTGAGATTACTCCATCTGCACAG
ATCGTATATACTAATTAATCCAATGCATACATGTGTGTATGTAGGTGGCGCGTGC
GGGTACGGCAACCTGTACAACGCCGGGTACGGCATTAAACAACGCAGCGCTGAGC

CAGACGCTGTTCAACAACGGCGCGTCGTGCGGGCAGTGCTACCTCATCACGTGCG
ACAGGTCACGTCCGGGCGGGCAGTGGTGCAAGCCGGGCAACTCCATCACGGTGT
CGGCCACCAACCTGTGCCCGCCAACTACGGGCTCCCCAACGGCGGGTGGTGCGG
CCCGGGCCGCCCCACTTCGACATGTCGCAGCCGGCGTGGGAGCACATCGGCGTC
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GCGGCGTGCGATTCAGCATCGCGGGTTCCTCAATACTTCCTGCTCGTCAACATCCA
GAACGTCGGCGGCAGCGGCGCCGTGGCTGCCGCCTGGGTGAAGGGTGACAATAC
CGGGTGGATCCAGATGTCCAGGAACTGGGGCGCCA ACTGGCAGGGCGCTCGCTGG
GCTCGTCGGCCAGGGTCTCAGCTTCGCCGTCACCACCACCGGCGGGCAGTACCTT
CAGTTCATGTACGTGTCGCGGGGTGGTGGCAGTTCGGCATGACCTTCGGCACCA
ACAGAAATTTGCCTACTAA