

IDENTIFICATION

Species: *Miscanthus sinensis*

Locus: Misin13G145400

Gene Model: Misin13G145400.1.p

Description: McsEXPA-53

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>

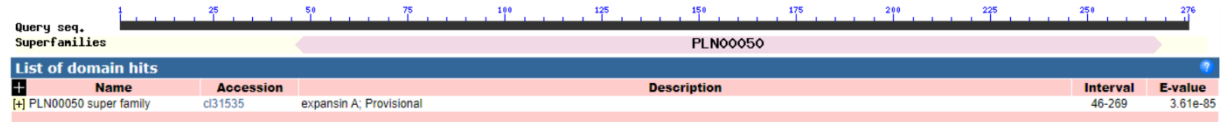
GENE STRUCTURE



Legend:

Exon

DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>McsEXPA-53

MAPPPLLVSLLVAVLAVAADVANAGGAKPLTPGGRVVHHNHGKFTGGPWKPAHAT
FYGGRDGS GTTAGACGYKDTRAEGYGVQTVAVSSVLFGDGAACGGCYEVRVCDSP
DGCKPGAAALMVTATNLCPPNDQQSGDSGGWCNPPREHFDLTPAFLQIAQEKAGI
VPISYRRLACAKQGGIRYTITGNKYFNMVTVTNVGGAGDLSAVSVKGSKRVKWTEL
KRNWGIVWQTGEDLTCESLTFRVMTSDHRKATSWRVLPTDWQFGVTYQASKNF*

CDS (coding sequence)

>McsEXPA-53

ATGGCGCCACCGCCTCTCCTGGTGTGCGCTGCTGGTTCGCCGTGCTCGCGGTGGCCG
CCGATGTCGCCAATGCCGGCGGGCGCCAAGCCCCTGACGCCTGGCGGGCGCGTGGT
GCACCACAACCACGGCAAGTTCACGGGCGGCCCGTGGAAACCCGCCACGCGAC
CTTCTACGGCGGGCCGGGACGGGTCCGGCACCACGGCGGGCGCGTGC GGGTACAA
GGACACGCGGGCGGAGGGGTACGGCGTGCAGACGGTGGCCGTGAGCTCGGTGCT
GTTGCGGCGACGGCGCGGCCTGCGGGCGGGTGCTACGAGGTGCGGTGCGTGGACAG
CCCCGACGGGTGCAAGCCCGGCGCGGGCGGCGCTGATGGTGACGGCGACCAACCT
GTGCCCGCCAACGACCAGCAGTCCGGGGACAGCGGGCGGGTGGTGCAACCCGCC
TCGGGAGCACTTCGACCTACCATGCCGGCGTTCCTCCAGATAGCGCAGGAGAAG
GCCGGCATCGTGCCCATCTCCTACCGCAGGTTGGCGTGC GCGAAGCAGGGCGGCA
TCCGGTACACCATCACCGGGAACAAGTACTTCAACATGGTGACTGTCACCAACGT
GGGCGGTGCCGGCGACCTGTCGGCGGTGTCGGTGAAGGGGAGCAAACGCGTCAA
GTGGACGGAGCTGAAGCGCAACTGGGGGATAGTGTGGCAGACCGGGGAGGACCT
CACCTGCGAGTCGCTGACGTTCCGGGTGATGACCAGCGACCACCGCAAGGCCACC
TCGTGGCGCGTCTCTCCCACTGACTGGCAGTTCGGCGTCACGTACCAGGCGTCCA
AGAACTTCTAA

Nucleotide

>McsEXPA-53

ATGGCGCCACCGCCTCTCCTGGTGTGCGCTGCTGGTTCGCCGTGCTCGCGGTGGCCG
CCGATGTCGCCAATGCCGGCGGGCGCCAAGCCCCTGACGCCTGGCGGGCGCGTGGT
GCACCACAACCACGGCAAGTTCACGGGCGGCCCGTGGAAACCCGCCACGCGAC
CTTCTACGGCGGGCCGGGACGGGTCCGGCACCACGGCGGGCGCGTGC GGGTACAA

GGACACGCGGGCGGAGGGGTACGGCGTGCAGACGGTGGCCGTGAGCTCGGTGCT
GTTCGGCGACGGCGCGGCCTGCGGCGGGTGCTACGAGGTGCGGTGCGTGGACAG
CCCCGACGGGTGCAAGCCCGGCGCGGCGGCGCTGATGGTGACGGCGACCAACCT
GTGCCCCGCCAACGACCAGCAGTCCGGGGACAGCGGCGGGTGGTGCAACCCGCC
TCGGGAGCACTTCGACCTCACCATGCCGGCGTTCCTCCAGATAGCGCAGGAGAAG
GCCGGCATCGTGCCCATCTCCTACCGCAGGTTGGCGTGCGCGAAGCAGGGCGGCA
TCCGGTACACCATCACCGGGAACAAGTACTTCAACATGGTGACTGTCACCAACGT
GGGCGGTGCCGGCGACCTGTCGGCGGTGTCGGTGAAGGGGAGCAAACGCGTCAA
GTGGACGGAGCTGAAGCGCAACTGGGGGATAGTGTGGCAGACCGGGGAGGACCT
CACCTGCGAGTCGCTGACGTTCCGGGTGATGACCAGCGACCACCGCAAGGCCACC
TCGTGGCGCGTCCTCCCCACTGACTGGCAGTTCGGCGTCACGTACCAGGCGTCCA
AGAACTTCTAA