IDENTIFICATION

Species: *Musa acuminata*

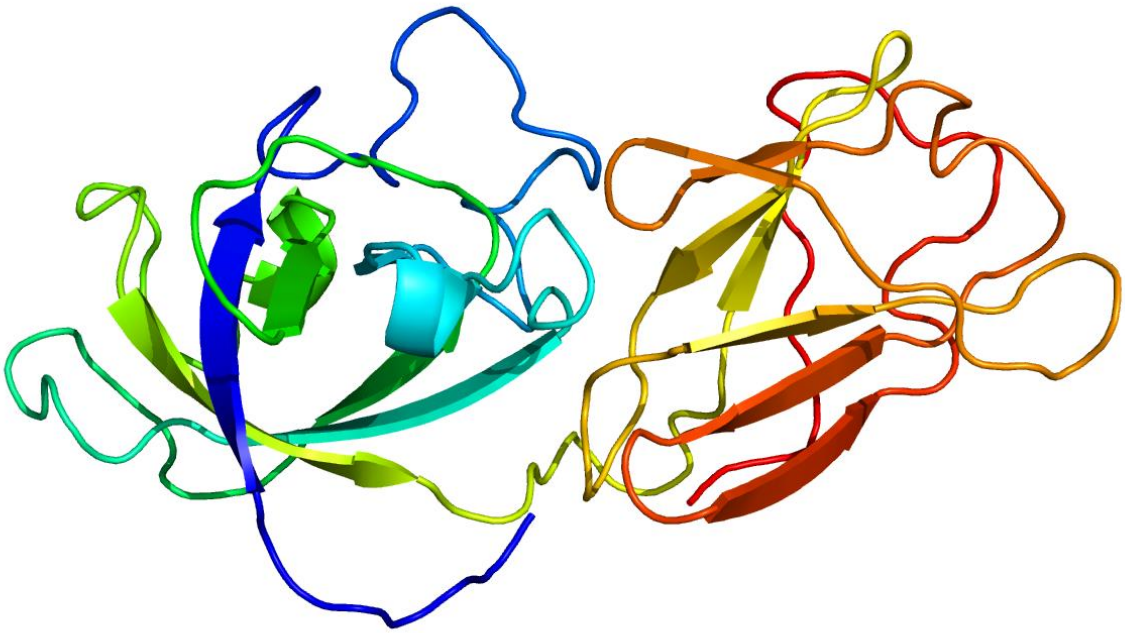
Locus: GSMUA_Achr2P03520_001

Gene Model: GSMUA_Achr2P03520_001

Description: MacEXPA-06

Family: Alpha Expansin

3D structure:



GENOME DATABASES

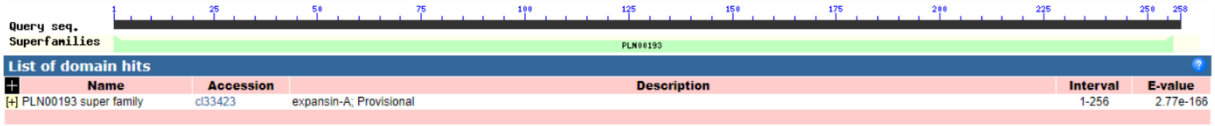
Phytozome: https://phytozome-next.jgi.doe.gov/info/Macuminata_v1
KEGG: https://www.genome.jp/entry/T03447

EXTERNAL RESOURCES

https://banana-genome-hub.southgreen.fr/
https://musabase.org/

GENE STRUCTURE

DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>MacEXPA-06

MDSGVGLVLLMVLAVSSMFSVVEGFKPSGWTKATATFYGGSDASGTMGGACGYGN
LYSTGYGTRTAALSTALFGDGAACGQCYKIICDYRADPRWCLKGVSVTITATNFCPP
NYALPNDDGGWCNPPRQHFDMAQPAWEKIGIYRGGIVPVMFQRVPCKKHGGVRFTI
NGLDYFELVLVSNVAGPGSVQSMSVKGSKTGWLPMSRNWGANWQSNAYLNGQPLS
FRVTTTDGQTLVFSDIVPSNWGFGQTFSSRLQFS*

CDS (coding sequence)

>MacEXPA-06

ATGGATAGCGGTGTTGGACTTGTGCTGTTGATGGTATTGGCGGTGAGCTCCATGT
TCTCCGTCGTGGAGGGCTTCAAGCCATCGGGATGGACGAAGGCCACCGCGACGTT
CTACGGCGGAAGCGACGCCTCGGGAACGATGGGTGGAGCTTGCGGGTACGGCAA
TCTGTACTCGACCGGGTACGGCACCAGGACGGCAGCTCTGAGCACGGCCTTGTTC
GGCGACGGCGCAGCGTGCGGGCAGTGCTACAAGATCATCTGCGACTACAGGGCG
GACCCGCGGTGGTGCCTCAAGGGCGTGTCGGTGACGATCACGGCCACCAACTTCT
GCCCCCCGAACTACGCCCTCCCCAACGACGACGGGGGGTGGTGCAACCCTCCTCG
CCAGCACTTCGACATGGCGCAGCCAGCATGGGAGAAGATCGGCATCTACCGCGG
AGGAATCGTGCCGGTGATGTTCCAGAGGGTCCCGTGCAAGAAACATGGTGGCGT
GAGGTTCACCATCAACGGGCTCGACTACTTCGAACTGGTTCTCGTCAGCAACGTC
GCTGGCCCTGGATCGGTCCAGTCCATGTCCGTCAAGGGATCCAAAACCGGGTGGC
TGCCGATGTCCAGGAACTGGGGCGCCAACTGGCAATCCAATGCCTATCTCAATGG
CCAGCCTCTTTCCTTCAGAGTCACCACCACGGACGGGCAGACGCTGGTCTTCAGT
GACATCGTTCCGTCTAACTGGGGATTTGGGCAGACCTTCTCCAGCCGCTTGCAGTT
CAGCTGA

Nucleotide

>MacEXPA-06

ATGGATAGCGGTGTTGGACTTGTGCTGTTGATGGTATTGGCGGTGAGCTCCATGT
TCTCCGTCGTGGAGGGCTTCAAGCCATCGGGATGGACGAAGGCCACCGCGACGTT
CTACGGCGGAAGCGACGCCTCGGGAACGATGGGTGGGATATCCGTCGGCGTCAT
GCATTGTTGTATCTTGTTAGCTTAATCCAATACGGCGCTGAGTCGCGGTGGATGGT
TTGTAGGTGGAGCTTGCGGGTACGGCAATCTGTACTCGACCGGGTACGGCACCAG

GACGGCAGCTCTGAGCACGGCCTTGTTCGGCGACGGCGCAGCGTGCGGGCAGTG
CTACAAGATCATCTGCGACTACAGGGCGGACCCGCGGTGGTGCCTCAAGGGCGT
GTCGGTGACGATCACGGCCACCAACTTCTGCCCCCCGAACTACGCCCTCCCCAAC
GACGACGGGGGGTGGTGCAACCCTCCTCGCCAGCACTTCGACATGGCGCAGCCA
GCATGGGAGAAGATCGGCATCTACCGCGGAGGAATCGTGCCGGTGATGTTCCAG
AGGTGAGTCTCCTGATTTCCCGGTGACAGTCTTCGTCTTCCTGGTTTCGTCGAGTG
CTCGACCGATCGGATAATGACGCAGGGTCCCGTGCAAGAAACATGGTGGCGTGA
GGTTCACCATCAACGGGCTCGACTACTTCGAACTGGTTCTCGTCAGCAACGTCGC
TGGCCCTGGATCGGTCCAGTCCATGTCCGTCAAGGGATCCAAAACCGGGTGGCTG
CCGATGTCCAGGAACTGGGGCGCCAACTGGCAATCCAATGCCTATCTCAATGGCC
AGCCTCTTTCCTTCAGAGTCACCACCACGGACGGGCAGACGCTGGTCTTCAGTGA
CATCGTTCCGTCTAACTGGGGATTTGGGCAGACCTTCTCCAGCCGCTTGCAGTTCA
GCTGA