IDENTIFICATION

Species: *Musa acuminata*

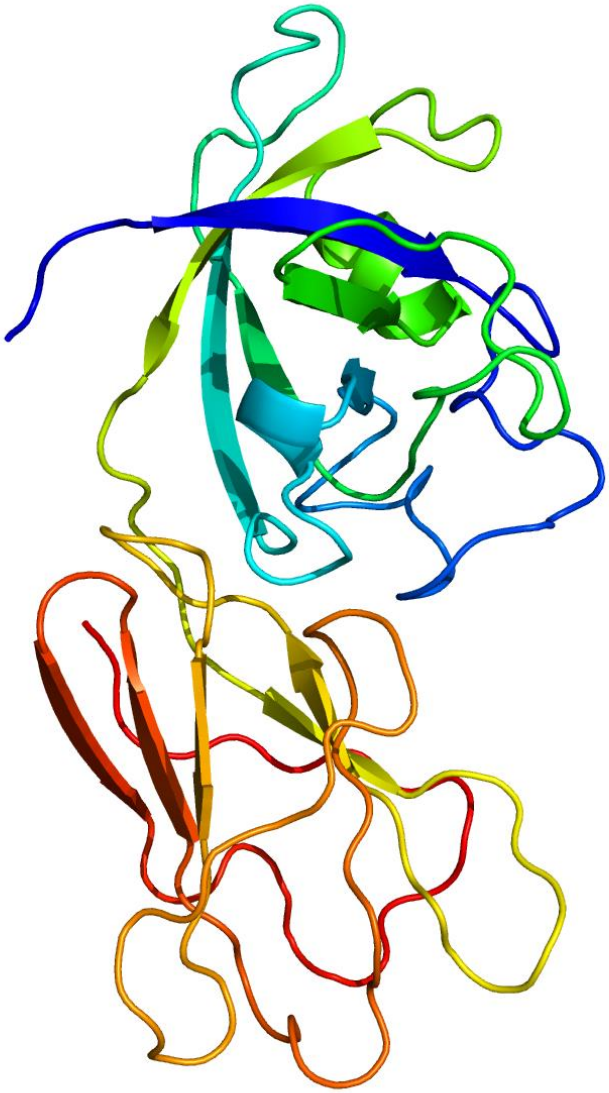
Locus: GSMUA_Achr4P27910_001

Gene Model: GSMUA_Achr4P27910_001

Description: MacEXPA-14

Family: Alpha Expansin

3D structure:



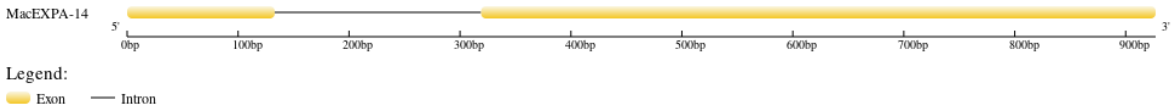
GENOME DATABASES

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

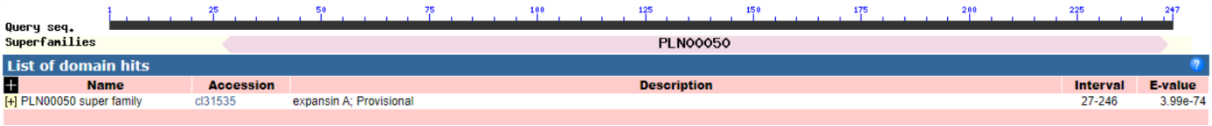
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>MacEXPA-14

MAMTAISVVVVMTFALMAMAVMAQGPWDTADATFYGDMSGNATMGGTCGYGNL
FEHGYGLSNTALSTVLFNDGEMCGACFELKCVAGPDRCKEGSTIVTATSFCPPAPVSL
CNPPQKHFDLSMAMYMNIAKANNSGSIPVQFRRVPCVREGDIGFEFRGNPFWISVQV
YNVAGSGDVANLSVRGSNTTWVPMTRSWGQRWQLSFRPEMVGQSLSFQVTTGDNN
TVESVDVAPANWQFGQRYTGGQF*

CDS (coding sequence)

>MacEXPA-14

ATGGCAATGACTGCGATCAGTGTGGTTGTCGTCATGACCTTTGCTCTCATGGCCAT
GGCAGTGATGGCACAGGGTCCATGGGACACTGCCGACGCCACTTTCTACGGCGAC
ATGTCCGGCAACGCGACCATGGGCGGAACTTGTGGGTATGGCAATCTCTTCGAGC
ACGGATACGGGCTGTCGAACACGGCGCTGAGCACGGTGCTGTTCAACGACGGGG
AAATGTGCGGTGCATGCTTCGAGTTGAAGTGCGTAGCGGGACCCGACAGGTGCA
AGGAGGGGAGCACCATCGTGACGGCGACGAGCTTTTGCCCGCCGGCACCCGTCA
GCCTGTGCAACCCGCCCCAGAAGCACTTCGACCTCTCCATGGCCATGTACATGAA
TATCGCCAAGGCAAACAATTCGGGCAGCATCCCCGTGCAGTTCCGGCGAGTACCG
TGCGTCAGGGAGGGCGACATCGGATTCGAGTTCAGGGGGAACCCCTTCTGGATCT
CGGTGCAGGTGTACAACGTGGCCGGCTCCGGCGACGTGGCGAACCTGTCGGTGA
GGGGATCCAACACCACCTGGGTGCCGATGACGAGGTCGTGGGGACAGAGATGGC
AGCTCAGTTTCAGGCCAGAGATGGTGGGGCAGAGCCTTTCGTTCCAGGTGACGAC
AGGCGACAACAATACGGTGGAGTCGGTCGACGTCGCTCCAGCGAACTGGCAGTT
CGGACAGCGGTATACAGGCGGCCAATTCTGA

Nucleotide

>MacEXPA-14

ATGGCAATGACTGCGATCAGTGTGGTTGTCGTCATGACCTTTGCTCTCATGGCCAT
GGCAGTGATGGCACAGGGTCCATGGGACACTGCCGACGCCACTTTCTACGGCGAC
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GCTCCTATGTCGTTGTCTTCCCCTCTCAGTCCAATGAGCAGATCACAAGAGCTGCA
TGCACGCAGAGGAGATTTTGCTGCAGTTAAATCGTGTTCATGGGGGGGGGGGGG
GGAGGAGAGAGATATCTGACCATGTGTTTTGTACTGGTACAGGCGGAACTTGTGG

GTATGGCAATCTCTTCGAGCACGGATACGGGCTGTCGAACACGGCGCTGAGCACG
GTGCTGTTCAACGACGGGGAAATGTGCGGTGCATGCTTCGAGTTGAAGTGCGTAG
CGGGACCCGACAGGTGCAAGGAGGGGAGCACCATCGTGACGGCGACGAGCTTTT
GCCCGCCGGCACCCGTCAGCCTGTGCAACCCGCCCCAGAAGCACTTCGACCTCTC
CATGGCCATGTACATGAATATCGCCAAGGCAAACAATTCGGGCAGCATCCCCGTG
CAGTTCCGGCGAGTACCGTGCGTCAGGGAGGGCGACATCGGATTCGAGTTCAGG
GGGAACCCCTTCTGGATCTCGGTGCAGGTGTACAACGTGGCCGGCTCCGGCGACG
TGGCGAACCTGTCGGTGAGGGGATCCAACACCACCTGGGTGCCGATGACGAGGT
CGTGGGGACAGAGATGGCAGCTCAGTTTCAGGCCAGAGATGGTGGGGCAGAGCC
TTTCGTTCCAGGTGACGACAGGCGACAACAATACGGTGGAGTCGGTCGACGTCGC
TCCAGCGAACTGGCAGTTCGGACAGCGGTATACAGGCGGCCAATTCTGA