

IDENTIFICATION

Species: *Musa acuminata*

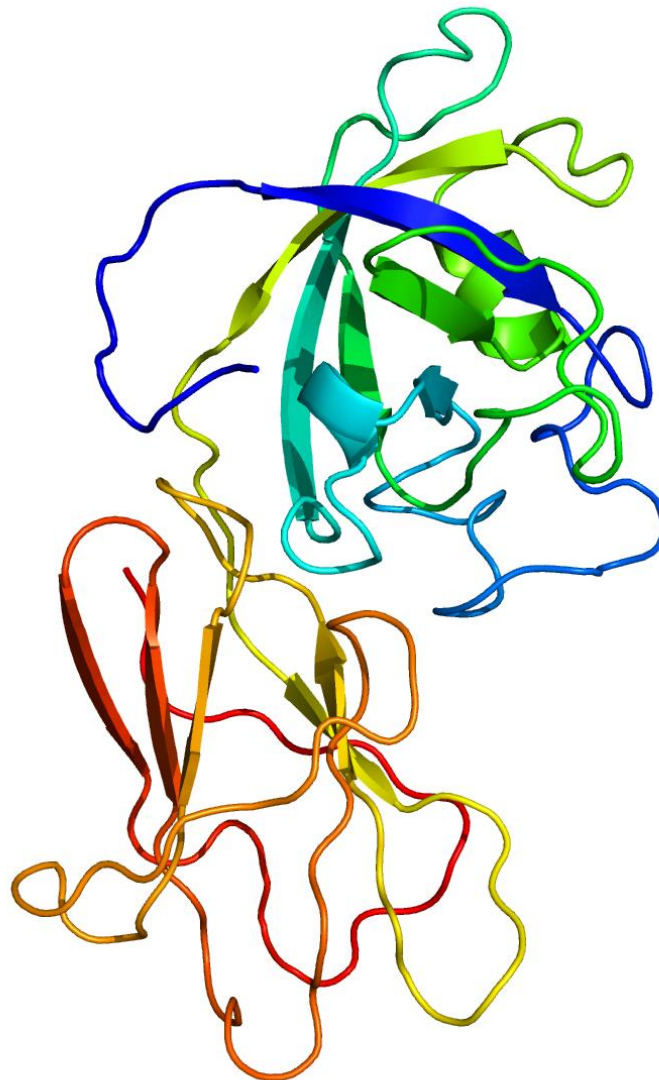
Locus: GSMUA_Achr4P27950_001

Gene Model: GSMUA_Achr4P27950_001

Description: MacEXPA-15

Family: Alpha Expansin

3D structure:



GENOME DATABASES

Phytozome: https://phytozome-next.jgi.doe.gov/info/Macuminata_v1

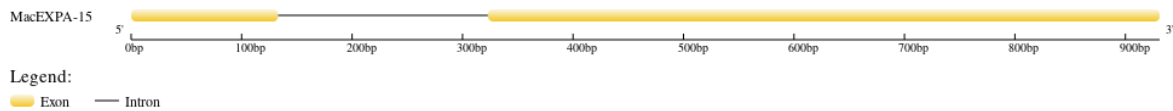
KEGG: <https://www.genome.jp/entry/T03447>

EXTERNAL RESOURCES

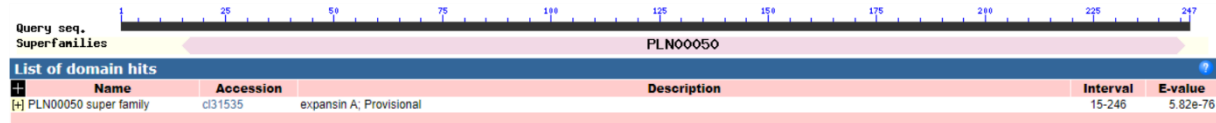
<https://banana-genome-hub.southgreen.fr/>

<https://musabase.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>MacEXPA-15

MAMTVISVVVMSFALMAMAVMAQGPWDTADATFYGDMSGNATMGGTCGYDNL
FEHGYGLSNTALSTVLFNDGEMCGACFELKCVAGPDRCKEGSTIVTATSFCPPAPVSL
CNPPQKHFDSLAMMYMKIAKTNYSGSIPVQFRRVPCVREGDIGFEFVGNPFWISVLV
YNVAGSGDVAKLSVRGSNTTWVPMTRLWGQRWQLSFRPEMVGQSLSFNVTGDK
TVESVDVAPANWQFGQRYRGGQF*

CDS (coding sequence)

>MacEXPA-15

ATGGCGATGACTGTGATCAGTGTGGTTGTCGTCATGTCCTTTGCTCTCATGGCCAT
GGCAGTGATGGCACAGGGTCCATGGGACACTGCCGACGCCACTTTCTACGGCGAC
ATGTCCGGCAACGCGACCATGGGCGGAACCTTGTGGGTATGACAATCTCTTCGAGC
ACGGATACGGGCTGTGCAACACGGCGCTGAGCACGGTGCTGTTTAACGATGGGG
AAATGTGCGGTGCATGCTTCGAGTTGAAGTGCGTAGCGGGACCCGACAGGTGCA
AGGAGGGGAGCACCATCGTGACGGCGACCAGCTTCTGCCCGCCGGCACCCGTCA
GCCTGTGCAACCCACCCAGAAGCACTTCGACCTCTCCATGGCCATGTACATGAA
GATCGCCAAGACAACTATTCGGGCAGCATCCCCGTGCAGTCCGGCGAGTACCG
TGCGTCAGGGAGGGAGACATCGGATTCGAGTTCGTGGGGAACCCCTTCTGGATCT
CGGTGCTGGTGTACAACGTGGCCGGCTCCGGCGACGTAGCGAAGCTGTCGGTGA
GGGGATCCAACACCACCTGGGTGCCGATGACGAGGTTGTGGGGACAGAGGTGGC
AGCTCAGTTTCAGGCCAGAGATGGTGGGGCAGAGCCTTTCGTTCAATGTGACGAC
AGGCGACGGCAAGACGGTGGAGTCGGTCGACGTGCTCCAGCGAACTGGCAGTT
CGGGCAGCGGTATAGAGGGCGGCCAATTCTGA

Nucleotide

>MacEXPA-15

ATGGCGATGACTGTGATCAGTGTGGTTGTCGTCATGTCCTTTGCTCTCATGGCCAT
GGCAGTGATGGCACAGGGTCCATGGGACACTGCCGACGCCACTTTCTACGGCGAC
ATGTCCGGCAACGCGACCATGGGTGAGTTCAGCTGCCTCTCCCTCTTTCTACTACT
GCTCCTTTGTGCTTGTCTTCCCCTCTCAGTCCAATGAGCAGATACAAGCGCTGCA
TGTACGCAGAGGAGATTTTGTGCTGCAGTTAAATCGTGTTTCATGGGTAGAGAAAGAG
AGAGAGAGAGAGAGATCTGACCATGTGTTTTGTACTGGTACAGGCGGAACTT

GTGGGTATGACAATCTCTTCGAGCACGGATACGGGCTGTCGAACACGGCGCTGAG
CACGGTGCTGTTTAACGATGGGGAAATGTGCGGTGCATGCTTCGAGTTGAAGTGC
GTAGCGGGACCCGACAGGTGCAAGGAGGGGAGCACCATCGTGACGGCGACCAGC
TTCTGCCCCGCCGGCACCCGTCAGCCTGTGCAACCCACCCAGAAAGCACTTCGACC
TCTCCATGGCCATGTACATGAAGATCGCCAAGACAACTATTCGGGCAGCATCCC
CGTGCAGTTCCGGCGAGTACCGTGCGTCAGGGAGGGAGACATCGGATTCGAGTTC
GTGGGGAACCCCTTCTGGATCTCGGTGCTGGTGTACAACGTGGCCGGCTCCGGCG
ACGTAGCGAAGCTGTCGGTGAGGGGATCCAACACCACCTGGGTGCCGATGACGA
GGTTGTGGGGACAGAGGTGGCAGCTCAGTTTCAGGCCAGAGATGGTGGGGCAGA
GCCTTTCGTTCAATGTGACGACAGGCGACGGCAAGACGGTGGAGTCGGTCGACGT
CGCTCCAGCGAACTGGCAGTTCGGGCAGCGGTATAGAGGCGGCCAATTCTGA