

IDENTIFICATION

Species: *Musa acuminata*

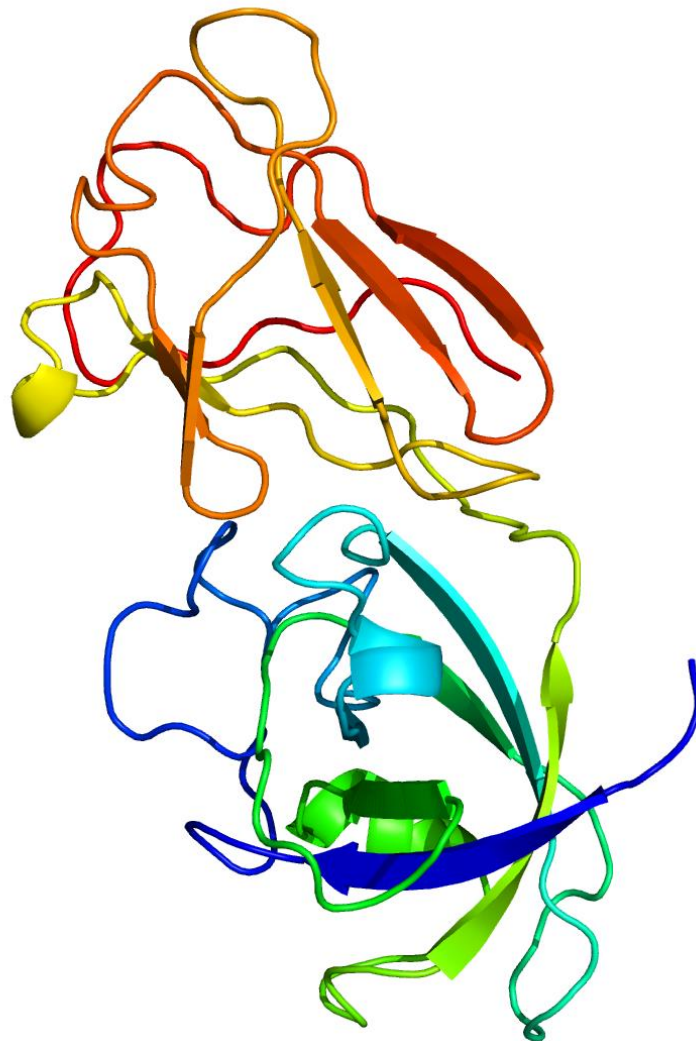
Locus: GSMUA_Achr4P25480_001

Gene Model: GSMUA_Achr4P25480_001

Description: MacEXPA-13

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

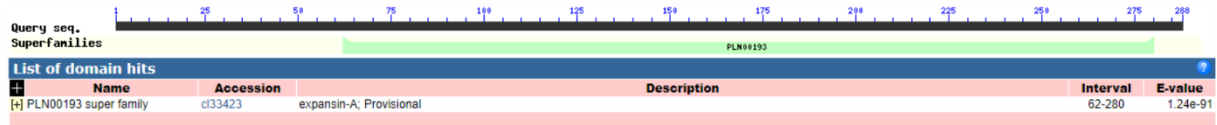
<https://banana-genome-hub.southgreen.fr/>

<https://musabase.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>MacEXPA-13

MPTPSLPPFRPKSRLLSLGQLFSLLFHSGLALLLLPLTLLSSLAAAHQSSSSYGAAAL
TEWRSAHASYAVFDPRDTVGGACGYGDLGKRGYGMATAGLSEALFEKGAACGGC
YEVRCVEELRYCLPGTSIVLTATNFCPPNYGLPADAGGICNTPNHFLMPIQAFEKIAI
WKAGVMPIKYRRVKCIREDGVRFTIDGKGGFFYTVLISNVAGAGDITAVKIKGSTTGW
LPMGRNWXQNWHSADLKGQALSFEVTASDGVTLTSYVAPKDWTFGKIYVGKQPF
F*

CDS (coding sequence)

>MacEXPA-13

ATGCCGACGCCGTCACTACCGCCATTTCCGGCCGAAGTCCCGCCTCCTCAGCCTCG
GCCAGCTCTTCTCTCTCCTCTTCCACTCCCACGGATTGGCGCTGCTATTACTGCC
TTGACCCTGCTCTCAAGCTTAGCCGCAGCTCACCAGAGCTCGTCGTCCTACGGTG
CCGCCGCGCTCACGGAATGGCGCTCCGCCACGCCTCCTACTACGCCGTCTTCGA
CCCCCGGATACCGTCGGGGGGCGTGCGGGTACGGGGATTGGGGAAAGCGCGG
GTACGGGATGGCGACGGCAGGGCTGAGCGAGGCGCTGTTCGAAAAGGGAGCGGC
CTGCGGGCGGCTGCTACGAGGTGCGGTGCGTGGAGGAGCTTCGCTACTGCCTGCCG
GGGACCTCCATCGTGCTCACTGCCACCAACTTCTGCCCCCCAACTACGGCCTCCC
CGCGGACGCCGGCGGGATCTGCAACACTCCCAACCACCCTCCTCATGCCATC
CAGGCCTTTGAGAAGATCGCCATCTGGAAGGCTGGCGTCATGCCATCAAGTACC
GCAGGGTCAAATGCATAAGGGAAGATGGTGTCCGGTTTACCATAGATGGCAAGG
GCTTCTTCTACACAGTGCTGATCAGTAATGTGGCAGGTGCTGGTGATATTACAGC
TGTGAAGATAAAGGGGTCGACGACTGGGTGGCTGCCCATGGGCCGTAAGTGGGG
CCAAAATTGGCACATCAGTGCTGACCTCAAGGGTCAGGCATTATCTTTCGAGGTC
ACCGCCAGCGATGGTGTCACTCTCACCTCCTACAATGTTGCTCCCAAGGACTGGA
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Nucleotide

>MacEXPA-13

ATGCCGACGCCGTCACTACCGCCATTTCCGGCCGAAGTCCCGCCTCCTCAGCCTCG
GCCAGCTCTTCTCTCTCCTCTTCCACTCCCACGGATTGGCGCTGCTATTACTGCC
TTGACCCTGCTCTCAAGCTTAGCCGCAGCTCACCAGAGCTCGTCGTCCTACGGTG

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