

IDENTIFICATION

Species: *Musa acuminata*

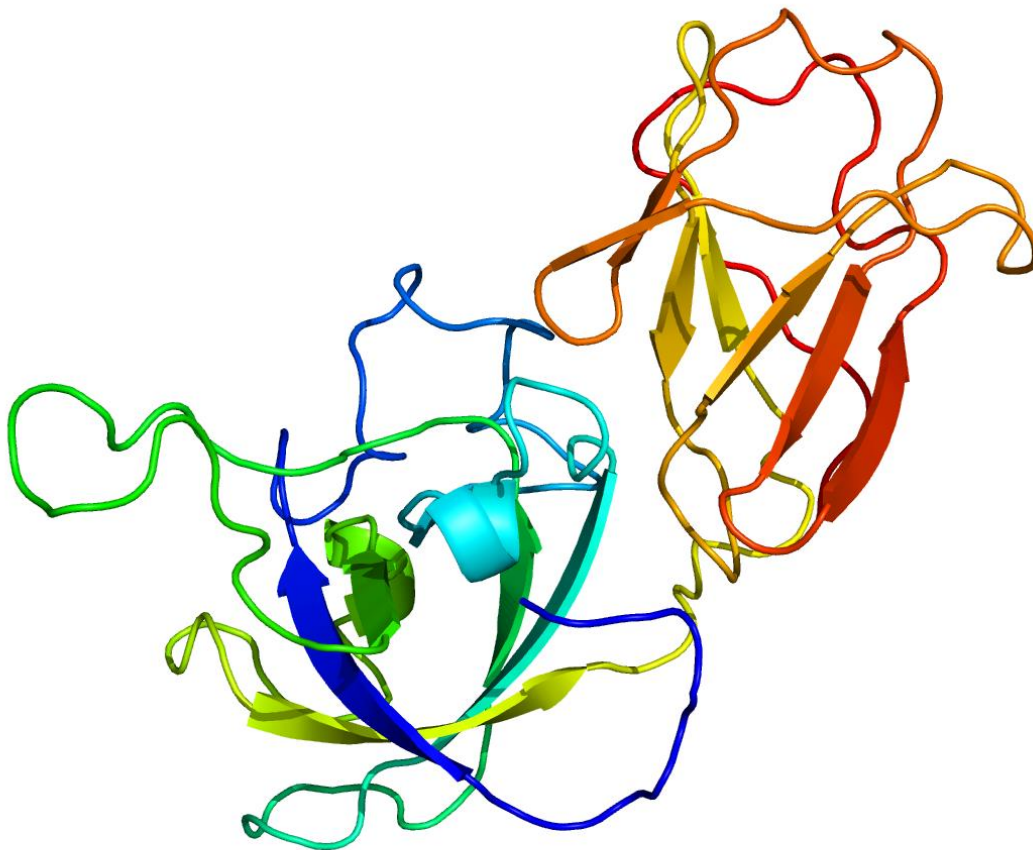
Locus: GSMUA_Achr6P32260_001

Gene Model: GSMUA_Achr6P32260_001

Description: MacEXPA-22

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

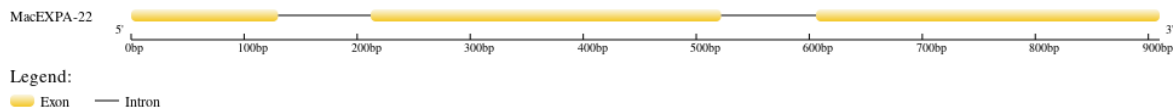
KEGG: <https://www.genome.jp/entry/T03447>

EXTERNAL RESOURCES

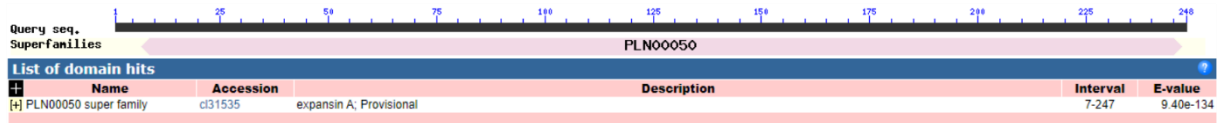
<https://banana-genome-hub.southgreen.fr/>

<https://musabase.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>MacEXPA-22

MAFPSLFSFVTLIMFGVAHGGDGGWIDAHATFYGGDASGTMGGACGYGNLYDQ
GYGTESAALSTALFNNGQSCGACFEIKCAGGQWCLKGSIVITATNFCPPNNALPND
GGWCNPPRHFDLSQPVFEDIAQYKAGIVPIQYKRVPVCVKKGGIRFTINGHSYFNLVL
ITNVGGAGDVVAHSVKGSRGTGWQPMsrNWQNWQSSNLDGQSLSFSVTTSDGLS
VTSMDVAPPNWSFGQTYLGGQF*

CDS (coding sequence)

>MacEXPA-22

ATGGCGTTTCCTAGCTTGTTCCTTCGTCACCCTTTTGATCATGTTCGGAGTCGCT
CATGGAGGTGATGGTGGATGGATCGACGCACACGCTACCTTCTATGGAGGTGGTG
ATGCTTCTGGGACGATGGGAGGGGCATGTGGTTATGGTAATCTCTACGACCAAGG
GTATGGCACCGAGAGCGCTGCACTGAGCACGGCTCTGTTCAACAACGGGCAGAG
CTGCGGTGCGTGCTTCGAGATCAAATGCGCGGGCGGGCAGTGGTGCCTCAAGGGT
TCGATCGTCATTACCGCCACTA ACTTCTGCCCTCCAAACAACGCGCTTCCCAACG
ACGATGGAGGGTGGTGAATCCGCCCCGGCACCCTTTGATCTCTCTCAGCCCGT
CTTCGAGAAGATCGCACAGTATAAAGCAGGCATCGTCCCAATCCAATACAAAAG
GGTCCCCTGTGTGAAGAAGGGAGGCATCAGATTCACCATTAATGGTCACTCCTAC
TTCAATCTGGTTCTGATCACCACGTCGGGGGTGCGGGAGACGTGGTGGCCGTGT
CAGTGAAAGGGTCAAGAACCGGGTGGCAGCCGATGAGCCGCAACTGGGGCCAAA
ACTGGCAGAGCAGCAGCAACCTCGACGGCCAGTCCCTCTCTTTCAGCGTCACCAC
CAGCGACGGCCTCTCCGTCACCTCGATGGACGTGCGGCCACCGAACTGGAGCTTC
GGGCAGACGTATTTGGGAGGCCAGTTCTGA

Nucleotide

>MacEXPA-22

ATGGCGTTTCCTAGCTTGTTCCTTCGTCACCCTTTTGATCATGTTCGGAGTCGCT
CATGGAGGTGATGGTGGATGGATCGACGCACACGCTACCTTCTATGGAGGTGGTG
ATGCTTCTGGGACGATGGGTAAGCTTCCGCTTACCAGCGATTCGCCACAGCTCA
TCCAACCTTCTGACATGGTGTGCTCCTTCGATCTTTGTGCGCAGGAGGGGCATGT
GGTTATGGTAATCTCTACGACCAAGGGTATGGCACCGAGAGCGCTGCACTGAGCA
CGGCTCTGTTCAACAACGGGCAGAGCTGCGGTGCGTGCTTCGAGATCAAATGCGC

GGGCGGGCAGTGGTGCCTCAAGGGTTCGATCGTCATTACCGCCACTAACTTCTGC
CCTCCAAACAACGCGCTTCCCAACGACGATGGAGGGTGGTGCAATCCGCCCCGGC
ACCACTTTGATCTCTCTCAGCCCGTCTTCGAGAAGATCGCACAGTATAAAGCAGG
CATCGTCCCAATCCAATACAAAAGGTATCAGCACCTCGTACTCACTTCCTTGGAC
CATGTCCTATGGCCCTCGAAAGTTCGTATAATATCCATGGATTCGCCTTGCAGGGT
CCCCTGTGTGAAGAAGGGAGGCATCAGATTCACCATTAATGGTCACTCCTACTTC
AATCTGGTTCTGATCACCAACGTTCGGGGGTGCGGGAGACGTGGTGGCCGTGTCAG
TGAAAGGGTCAAGAACCGGGTGGCAGCCGATGAGCCGCAACTGGGGCCAAA
GGCAGAGCAGCAGCAACCTCGACGGCCAGTCCCTCTCTTTCAGCGTCACCACCAG
CGACGGCCTCTCCGTCACCTCGATGGACGTTCGCGCCACCGAACTGGAGCTTCGGG
CAGACGTATTTGGGAGGCCAGTTCTGA