

IDENTIFICATION

Species: *Musa acuminata*

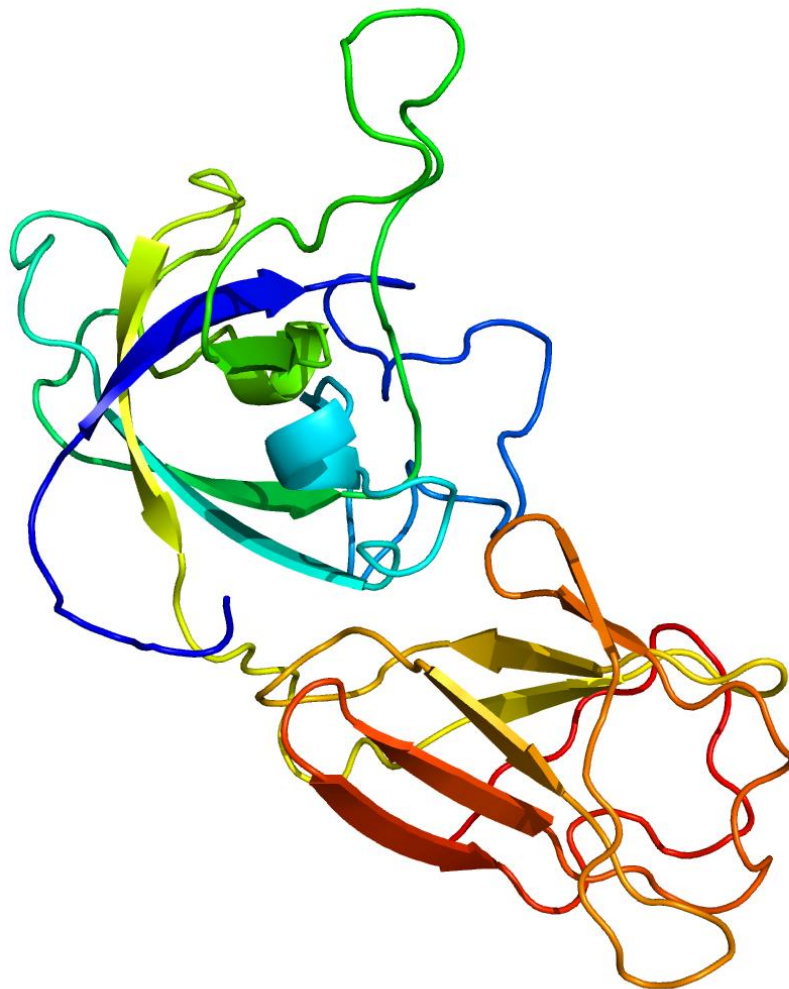
Locus: GSMUA_Achr11P22960_001

Gene Model: GSMUA_Achr11P22960_001

Description: MacEXPA-34

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

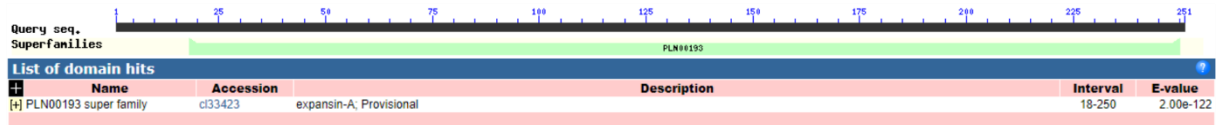
<https://banana-genome-hub.southgreen.fr/>

<https://musabase.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>MacEXPA-34

MEKAALLLLFLAWFASEFRALGDDWIPASATFYGGGDASGTMGGACGYQONLYTDG
YGIKNTALSTALFNNGAACGACFQIVCDSTRKSTWCKKGTHITVTATNYCPPNYDLPS
DNGGWCNPPRQHFDMSQPAWETIAVYRGGIVPVYRVRVKCQRSGGIRFTINGKNYF
ELVLIANVGGSGVVSGAWIKGSDTQWMAMSRNWGMNWQSNAYLTGQSLSFRVQT
SDGKVKTA YDVA PATWKFGDTY ASSIRF*

CDS (coding sequence)

>MacEXPA-34

ATGGAGAAGGCTGCACTACTGCTGCTGTTCCCTCGCGTGGTTTGCCTCTGAGTTCAG
AGCTCTGGGAGATGATTGGATTCCCTGCCTCGGCAACCTTCTATGGAGGGGGTGAT
GCTTCCGGCACTATGGGTGGAGCGTGTGGGTATCAGAACTTGTACACCGACGGGT
ACGGCATCAAGAACACGGCACTGAGCACGGCGCTGTTCAACAACGGCGCCGCCT
GCGGCGCGTGCTTCCAGATCGTGTGCGACTCGAGGAAGTCGACGTGGTGCAAGA
AGGGGACGCACATCACCGTCACCGCCACCAACTACTGCCCGCCCAACTACGACCT
TCCCAGCGACAACGGCGGGTGGTGCAACCCGCCGCGGCAGCACTTCGACATGTCT
CAGCCAGCCTGGGAGACCATCGCCGTCTACCGGGGCGGCATCGTTCCCGTCTACT
ACCGCAGGGTCAAGTGTGAGAGGAGCGGCGGCATCAGGTTACCATCAACGGGA
AGAACTACTTCGAGCTGGTGCTGATCGCCAACGTGGGAGGGAGCGGCGTGGTCTC
CGGCGCCTGGATCAAGGGGTCCGACACGCAGTGGATGGCCATGAGCAGGAACTG
GGGCATGAACTGGCAGAGCAACGCGTACCTCACTGGTCAGAGCCTCTCCTTCCGG
GTGCAGACCAGCGACGGCAAGGTCAAGACCGCCTACGATGTGCGGCCGGCGACT
TGGAAGTTCGGCGACACCTACGCGTCCTCCATCCGGTTTTAG

Nucleotide

>MacEXPA-34

ACCGAGTAGTTGTCTTCTTCGAGCAAGTAGAGATGGAGAAGGCTGCACTACTGCT
GCTGTTCCCTCGCGTGGTTTGCCTCTGAGTTCAGAGCTCTGGGAGATGATTGGATT
CTGCCTCGGCAACCTTCTATGGAGGGGGTGATGCTTCCGGCACTATGGGTGGGTG
ACTCACACACGACGTTTGATGCTTGGGAGTTTGGTCTGCGCTCTAAGGTGGGTGT
TCCATGGATGCAGGTGGAGCGTGTGGGTATCAGAACTTGTACACCGACGGGTACG
GCATCAAGAACACGGCACTGAGCACGGCGCTGTTCAACAACGGCGCCGCCTGCG

GCGCGTGCTTCCAGATCGTGTGCGACTCGAGGAAGTCGACGTGGTGCAAGAAGG
GGACGCACATCACCGTCACCGCCACCAACTACTGCCCCGCCAACTACGACCTTCC
CAGCGACAACGGCGGGTGGTGCAACCCGCCGCGGCAGCACTTCGACATGTCTCA
GCCAGCCTGGGAGACCATCGCCGTCTACCGGGGCGGCATCGTTCCCGTCTACTAC
CGCAGGTGATTCCACGTCCGTGAACCAACCCCTCGAGGATCGGAGCTCTCTCACG
GGTTAATCGTGCGGTGTGGACTTGGCAGGGTCAAGTGTCAGAGGAGCGGCGGCA
TCAGGTTACCATCAACGGGAAGAACTACTTCGAGCTGGTGCTGATCGCCAACGT
GGGAGGGAGCGGCGTGGTCTCCGGCGCCTGGATCAAGGGGTCCGACACGCAGTG
GATGGCCATGAGCAGGAAGTGGGGCATGAACTGGCAGAGCAACGCGTACCTCAC
TGGTCAGAGCCTCTCCTTCCGGGTGCAGACCAGCGACGGCAAGGTCAAGACCGCC
TACGATGTCGCGCCGGCGACTTGGAAAGTTCGGCGACACCTACGCGTCCTCCATCC
GGTTTTAGAAGATCGCGCGGTTTCGACCTCTTCTCTACTTCCATGGTTGAAGGCTGT
CATCTTCTCTGTGAAGGAACGAGTGGTTTGATTGTGTCCACCAACCTTCAATTGGA
TTCTATGTTTGTGTCTTTGCTTTGTCTAAAAGTATAATCGACTCTATATA