

IDENTIFICATION

Species: *Musa acuminata*

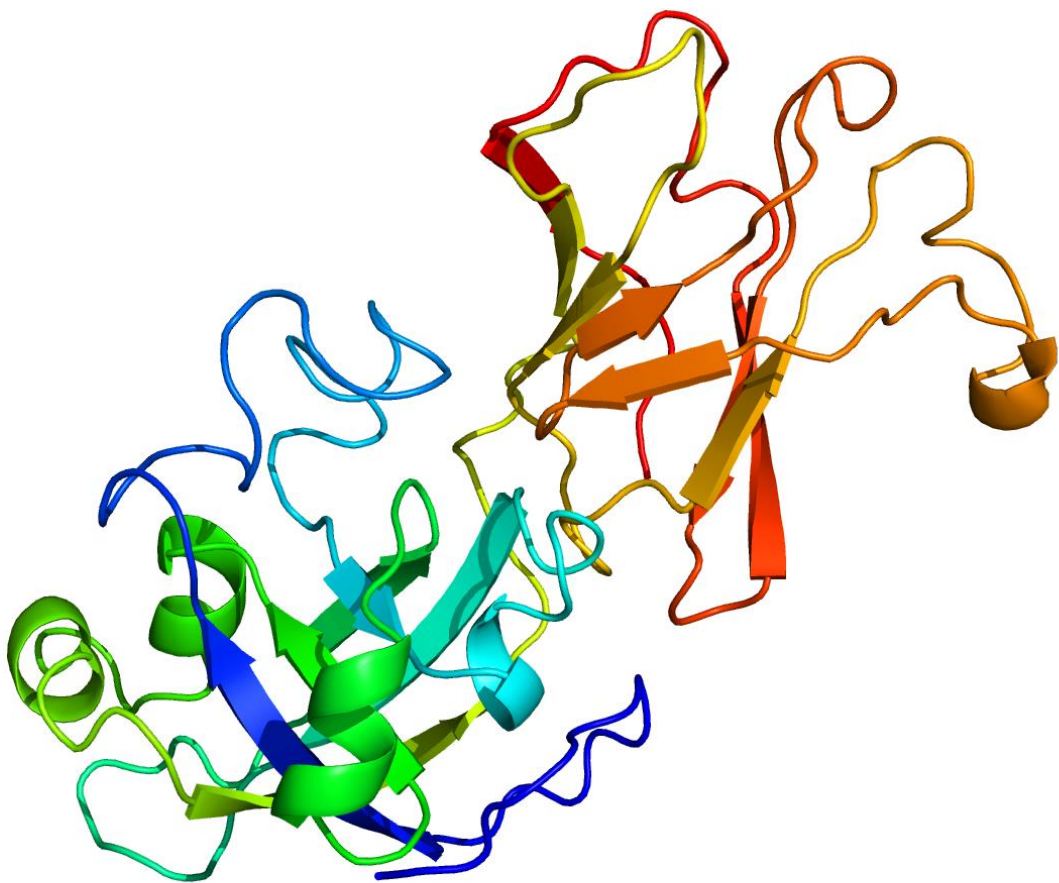
Locus: GSMUA_Achr7P07040_001

Gene Model: GSMUA_Achr7P07040_001

Description: MacEXPB-07

Family: Beta Expansin

3D structure:



GENOME DATABASES

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

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

EXTERNAL RESOURCES

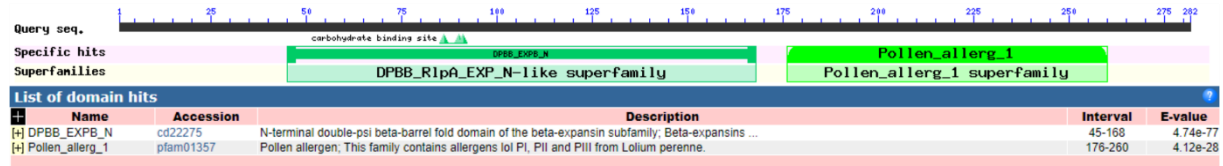
<https://banana-genome-hub.southgreen.fr/>

<https://musabase.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>MacEXPB-07

MAFPLHGSSSVLSFIVLLALSSLLSPCNCFNPKRLNFSSSALEGWSPAGATWYGSAHG
AGSDGGACGYGNGVDRAPFSSMIAAGSPSIFKSGEGCGACYQIRCTKNAACSGNPATI
VLTDECPGGICLAEPVHFDLSGTAFGAMAKPGQSDQLRNAGVLQIQYTRVECNAGI
DVAFHVDVGSNPYIYAVLIEYEGDGLACVDIKEGASSSSSTPSSSWIPMTQSWGAE
WRLNSGPKLRPPFSRLTSGLSRKVLVANNVIPVGWQPGATYRSLVNYSD*

CDS (coding sequence)

>MacEXPB-07

ATGGCATTCCCCTCCACGGGTCCTCTTCTGTTCTTTCCTTCATTGTTTTGCTTGCT
CTGTCTTCTCTCCTCAGCCCTTGCAATTGTTTCAACCCCAAGCGCTTAACTTCTC
GTCCTCTGCTCTTGAGGGCTGGTCGCCGGCGGGAGCCACCTGGTATGGAAGTGCT
CATGGCGCCGGAAGTGACGGCGGTGCATGCGGATATGGTAACGGAGTTGACCGT
GCTCCATTCTCTCCATGATAGCAGCAGGTAGTCCTTCTATCTTCAAGTCAGGCCGA
GGGCTGCGGTGCTTGTTATCAGATCCGATGACTAAGAACGCTGCATGCTCTGGG
AACCCGGCGACGATTGTGCTCACGGATGAGTGCCCTGGCGGTATATGTCTCGCCG
AGCCCGTCCACTTCGACCTCAGCGGCACCGCATTTCGGGGCCATGGCAAACCTGG
ACAGTCAGATCAGCTTCGCAACGCCGGAGTTCTCAAATACAGTAACTCGAGTG
GAGTGCAACTACGCAGGCATCGACGTCGCCTTCCATGTGGACGTCGGCTCCAACC
CATACTACATCGCGGTGCTCATCGAATACGAAGGAGGGGACGGAGATCTCGCGT
GTGTGGACATCAAGGAGGGAGCGTCGTCGTCGTCGTCGACGCCGAGCTCCTCATG
GATCCCGATGACACAGTCGTGGGGCGCTGAGTGGAGGCTGAACTCAGGGCCGAA
GCTGCGGCCCGCTTCTCCTTCCGCCTGACCTCCGGCTTGTCGCGGAAGGTTCTCG
TGGCCAACAATGTGATTCCGGTGGGTGGCAGCCAGGGGCCACCTACAGATCGCT
GGTGAACTACAGCGACTAA

Nucleotide

>MacEXPB-07

ATGGCATTCCCCTCCACGGGTCCTCTTCTGTTCTTTCCTTCATTGTTTTGCTTGCT
CTGTCTTCTCTCCTCAGCCCTTGCAATTGTTTCAACCCCAAGCGCTTAACTTCTC

GTCCTCTGCTCTTGAGGGCTGGTCGCCGGCGGGAGCCACCTGGTATGGAAGTGCT
CATGGCGCCGGAAGTGACGGTAATGGCTGAGATTATACAGTTGCACAGCATATGC
ATGTTTAATCAGCCAACAAGCACACGAGCTCATCATATTAATTGGGTATGCAGGC
GGTGCATGCGGATATGGTAACGGAGTTGACCGTGCTCCATTCTCTTCCATGATAG
CAGCAGGTAGTCCTTCTATCTTCAAGTCAGGCGAGGGCTGCGGTGCTTGTATCA
GGTATCCATTTGCTTCCAAGATGTGCCCATCAAATGAACTTGCTCAAAAGATTGA
CTTCTTTTAACCTTGGTGGTCATGGAAGATCCGATGCACTAAGAACGCTGCATGC
TCTGGGAACCCGGCGACGATTGTGCTCACGGATGAGTGCCCTGGCGGTATATGTC
TCGCCGAGCCCGTCCACTTCGACCTCAGCGGCACCGCATTCCGGGGCCATGGCAA
ACCTGGACAGTCAGATCAGCTTCGCAACGCCGGAGTTCTCAAATACAGTACACT
CGGTGAGAAGTCTATCATCATCGCAGCAGTCTTATACTGAGCCTCTACTGCTT
TGTGCCATCTCAAACGACTCAGTCCCAACCCCAATTAAGAGAACACCAATTTAC
GTGGCATGCTTATGTATATCGCAGAGTGGAGTGCAACTACGCAGGCATCGACGTC
GCCTTCCATGTGGACGTCGGCTCCAACCCATACTACATCGCGGTGCTCATCGAAT
ACGAAGGAGGGGACGGAGATCTCGCGTGTGTGGACATCAAGGAGGGAGCGTCGT
CGTCGTCGTCGACGCCGAGCTCCTCATGGATCCCGATGACACAGTCGTGGGGCGC
TGAGTGGAGGCTGAACTCAGGGCCGAAGCTGCGGCCGCCGTTCTCCTTCCGCTG
ACCTCCGGCTTGTCGCGGAAGGTTCTCGTGGCCAACAATGTGATTCCGGTGGGTT
GGCAGCCAGGGGCCACCTACAGATCGCTGGTGA ACTACAGCGACTAA