

IDENTIFICATION

Species: *Musa acuminata*

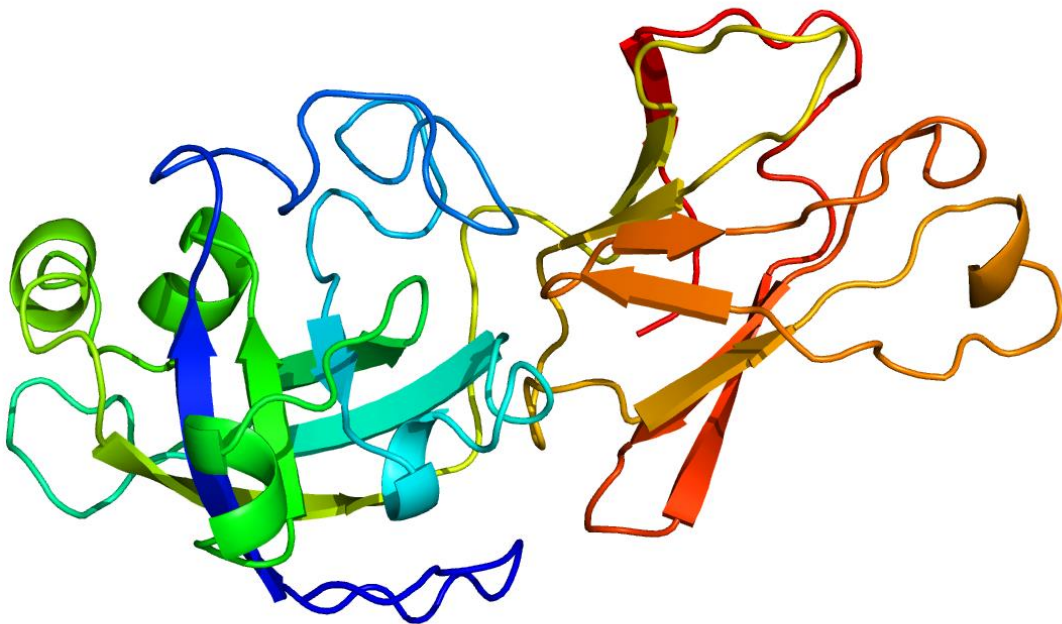
Locus: GSMUA_Achr4P26910_001

Gene Model: GSMUA_Achr4P26910_001

Description: MacEXPB-05

Family: Beta Expansin

3D structure:



GENOME DATABASES

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

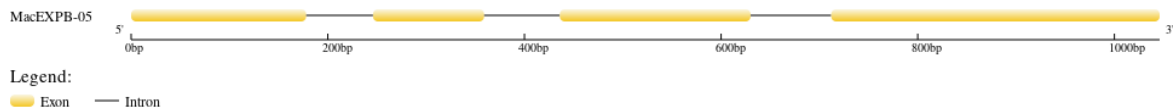
KEGG: <https://www.genome.jp/entry/T03447>

EXTERNAL RESOURCES

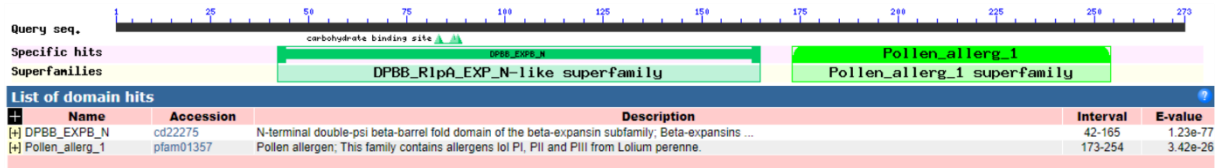
<https://banana-genome-hub.southgreen.fr/>

<https://musabase.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>MacEXPB-05

MAPPLHQSPSLVMASLTFLALLNACFCSNPKHPKLSTSTSNWLPAGATWYGSANGA
GSDGGACGYGGALEKPPFSSMISAGGPSLFKSGKGCACGYQVKCTENAACSGDPVT
VVITDECPGGPCLEKSAHFDMSGTAFGAMASSGRADEIRNAGVMTVQYARVQCSYP
GFDLAFRVDAGSNPYYFAVVIEYEEGDGLAAVELMQASSSADSSQWLSMQQSWG
AVWKLNSAWQLQAPFSIRLTLLSNRTIVADDVIPSTWLPGETYRSTTH*

CDS (coding sequence)

>MacEXPB-05

ATGGCTCCTCCACTCCATCAGTCTCCCTCCCTTGTCATGGCCTCGTTAACTTTCCTC
GCCCTCCTCAACGCTTGCTTCTGTTCCAATCCGAAACACCCCAAGCTTTCACCTC
AACATCAAACCTGGCTTCTGCAGGAGCTACGTGGTATGGGAGCGCTAATGGTGCT
GGAAGCGATGGAGGTGCTTGTGGCTATGGAGGCGCGTTGGAGAAGCCTCCTTTCT
CATCCATGATATCCGCGGGAGGCCCTCGCTGTTCAAATCGGGCAAGGGATGTGG
CGCTTGTATCAGGTGAAATGCACCGAGAACGCAGCGTGTTCGGCGATCCAGTT
ACCGTGGTGATCACGGACGAGTGCCCCGGCGGTCCATGTCTCGAGAAGTCTGCC
ATTTGACATGAGCGGGACTGCGTTCGGGGCCATGGCGTCCTCTGGTCGAGCTGA
CGAGATTCGAAATGCTGGTGTGATGACAGTGCAGTACGCAAGAGTCCAGTGCAG
CTACCCAGGCTTCGACTTGGCCTTCCGTGTCGATGCTGGCTCAAACCCTTACTACT
TCGCCGTCGTCATAGAGTACGAGGAAGGTGATGGAGATCTCGCTGCTGTGGA
ACTCATGCAGGCATCATCATCAGCGGATTCATCGCAATGGCTTTCATGCAGCAGTCA
TGGGGTGCAGTGTGGAATTGAACTCAGCTTGGCAGCTGCAGGCCCCCTTTTCCA
TCCGATTGACGACGCTTTTATCCAACCGGACGATTGTGGCAGACGATGTGATCCC
ATCAACTTGGCTGCCAGGGGAAACATATCGATCTACCACACACTGA

Nucleotide

>MacEXPB-05

ATGGCTCCTCCACTCCATCAGTCTCCCTCCCTTGTCATGGCCTCGTTAACTTTCCTC
GCCCTCCTCAACGCTTGCTTCTGTTCCAATCCGAAACACCCCAAGCTTTCACCTC
AACATCAAACCTGGCTTCTGCAGGAGCTACGTGGTATGGGAGCGCTAATGGTGCT

GGAAGCGATGGTAAGGTTCTTCTCCATATAATGTTATCCTTCGTCTACTGTTGCAG
AGAGCCATGTGTGTGATTCCAGGAGGTGCTTGTGGCTATGGAGGCGCGTTGGAGA
AGCCTCCTTTCTCATCCATGATATCCGCGGGAGGCCCTCGCTGTTCAAATCGGGC
AAGGGATGTGGCGCTTGTTATCAGGTACCAACGAAGACCTCGAATTCTGCAAGCC
CTTTTGCTTCTTGGAAGTGCCCAAGTGTCGTCCAACCCCGTGGCAGGTGAAATGC
ACCGAGAACGCAGCGTGTTCGGCGATCCAGTTACCGTGGTGATCACGGACGAGT
GCCCCGGCGGTCCATGTCTCGAGAAGTCTGCCCATTTTCGACATGAGCGGGACTGC
GTTCGGGGCCATGGCGTCCTCTGGTCGAGCTGACGAGATTCGAAATGCTGGTGTG
ATGACAGTGCAGTACGCAAGGTGCAAATTCTCCACTCCACCATCTGCAATCTTCT
TCCACGCATGCTATTGTACCACCGGCTTACCACTTTCCTCCGAACAGAGTCCAGTG
CAGCTACCCAGGCTTCGACTTGGCCTTCCGTGTTCGATGCTGGCTCAAACCCTTACT
ACTTCGCCGTCGTCATAGAGTACGAGGAAGGTGATGGAGATCTCGCTGCTGTGGA
ACTCATGCAGGCATCATCATCAGCGGATTCATCGCAATGGCTTTCATGCAGCAG
TCATGGGGTGCAGTGTGGAAATTGAACTCAGCTTGGCAGCTGCAGGCCCCCTTTT
CCATCCGATTGACGACGCTTTTATCCAACCGGACGATTGTGGCAGACGATGTGAT
CCCATCAACTTGGCTGCCAGGGGAAACATATCGATCTACCACACACTGA