IDENTIFICATION

Species: *Musa acuminata*

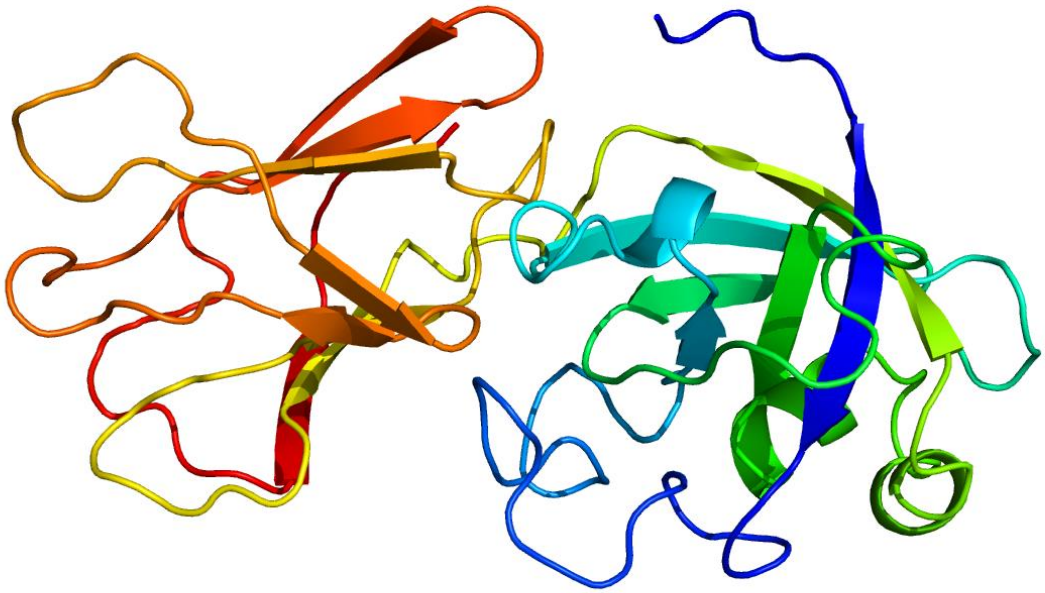
Locus: GSMUA_AchrUn_randomP23770_001

Gene Model: GSMUA_AchrUn_randomP23770_001

Description: MacEXPB-09

Family: Beta Expansin

3D structure:



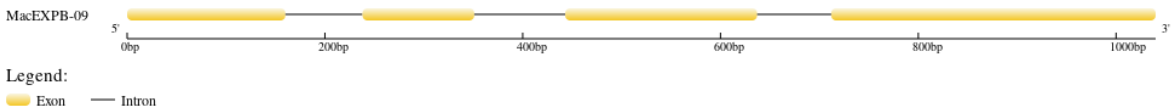
GENOME DATABASES

Phytozome: https://phytozome-next.jgi.doe.gov/info/Macuminata_v1
KEGG: https://www.genome.jp/entry/T03447

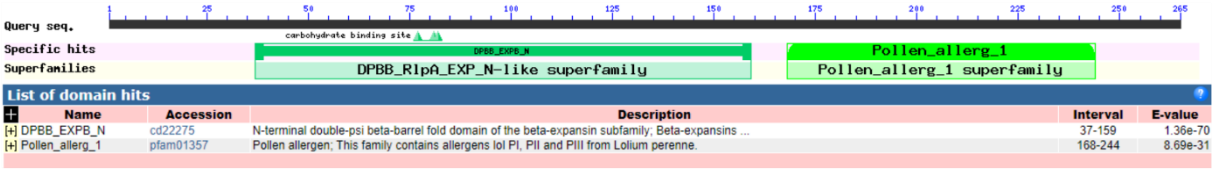
EXTERNAL RESOURCES

https://banana-genome-hub.southgreen.fr/
https://musabase.org/

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>MacEXPB-09

MATSSSSFRRLSSLLLFVGFLSLLRPCACYRRIFLNSSAVATWYGSPGGAGSDGGACG
YGDAVSKPPFSSFIAAGGPSLFKSGMGCGACYQVACTSNGACSGNPVTVVITDECPG
GPCASDPVHFDLSGTAFGAMAKPGQADALRNVGSLQIQYSRVHCKYSSVNISFKMD
AGSNPYYFAVVIEFEDGDGDLSAVDVQQAGSGFWIPTQQSWGAVWKLNSGWPLQA
PLSIRLTSGLSGKTLVATNVIPVDWKPGATYNSTVNFP*

CDS (coding sequence)

>MacEXPB-09

ATGGCGACCTCCTCCTCCTCCTTTCGTCGTCTCTCTTCTCTTCTTCTTTTCGTTGGTT
TCCTTTCCCTGCTCCGCCCCTGCGCTTGCTACAGACGCATTTTTCTGAACTCGTCC
GCCGTAGCCACCTGGTACGGGAGCCCCGGAGGCGCCGGAAGTGATGGTGGTGCA
TGTGGATATGGTGATGCGGTTTCTAAGCCTCCGTTCTCATCCTTCATAGCAGCAGG
CGGTCCTTCGCTGTTCAAATCAGGCATGGGATGTGGTGCTTGCTATCAGGTCGCG
TGCACCTCGAACGGTGCATGCTCCGGGAACCCGGTGACCGTGGTCATCACGGACG
AGTGCCCCGGCGGCCCGTGTGCTTCCGACCCCGTCCATTTTGACCTCAGCGGGAC
TGCCTTCGGGGCCATGGCGAAGCCTGGCCAAGCCGATGCGCTTCGCAACGTGGGC
TCCCTTCAGATACAATACTCCAGAGTGCACTGCAAGTACTCGAGCGTCAATATCA
GCTTCAAGATGGACGCCGGATCCAACCCATACTACTTCGCCGTGGTCATCGAGTT
CGAAGACGGGGACGGGGATCTCTCGGCCGTCGACGTGCAGCAGGCGGGGTCGGG
CTTCTGGATACCCACGCAGCAGTCGTGGGGCGCCGTTTGGAAGCTGAACTCGGGG
TGGCCACTGCAGGCTCCATTATCGATCCGGCTGACCTCCGGCCTTTCGGGGAAGA
CCCTCGTTGCCACCAACGTCATCCCCGTGGATTGGAAACCGGGGGCCACGTACAA
CTCCACCGTCAACTTCCCATAA

Nucleotide

>MacEXPB-09

ATGGCGACCTCCTCCTCCTCCTTTCGTCGTCTCTCTTCTCTTCTTCTTTTCGTTGGTT
TCCTTTCCCTGCTCCGCCCCTGCGCTTGCTACAGACGCATTTTTCTGAACTCGTCC
GCCGTAGCCACCTGGTACGGGAGCCCCGGAGGCGCCGGAAGTGATGGTAATGTC

TGCAATATCCGGCGTTACGTTCTGAAGTATACATGAGAGCATACGTGAAATAGTC
GATCGGCATGTACAGGTGGTGCATGTGGATATGGTGATGCGGTTTCTAAGCCTCC
GTTCTCATCCTTCATAGCAGCAGGCGGTCCTTCGCTGTTCAAATCAGGCATGGGA
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CGGACGAGTGCCCCGGCGGCCCGTGTGCTTCCGACCCCGTCCATTTTGACCTCAG
CGGGACTGCCTTCGGGGCCATGGCGAAGCCTGGCCAAGCCGATGCGCTTCGCAAC
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TGCCACTAGAACACCCTTATCCTTACATACTTCTCCTGTGGCTTCCTAGAGTGCAC
TGCAAGTACTCGAGCGTCAATATCAGCTTCAAGATGGACGCCGGATCCAACCCAT
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CGACGTGCAGCAGGCGGGGTCGGGCTTCTGGATACCCACGCAGCAGTCGTGGGG
CGCCGTTTGGAAGCTGAACTCGGGGTGGCCACTGCAGGCTCCATTATCGATCCGG
CTGACCTCCGGCCTTTCGGGGAAGACCCTCGTTGCCACCAACGTCATCCCCGTGG
ATTGGAAACCGGGGGCCACGTACAACTCCACCGTCAACTTCCCATAA