

IDENTIFICATION

Species: *Musa acuminata*

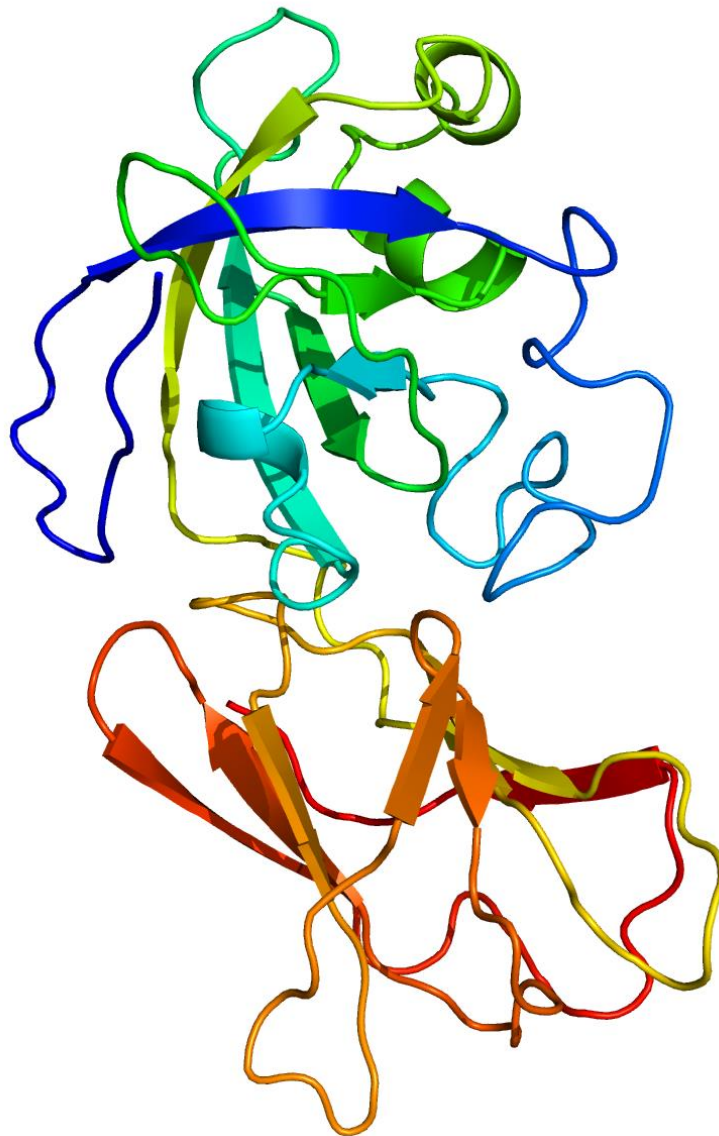
Locus: GSMUA_Achr2P13750_001

Gene Model: GSMUA_Achr2P13750_001

Description: MacEXPB-04

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

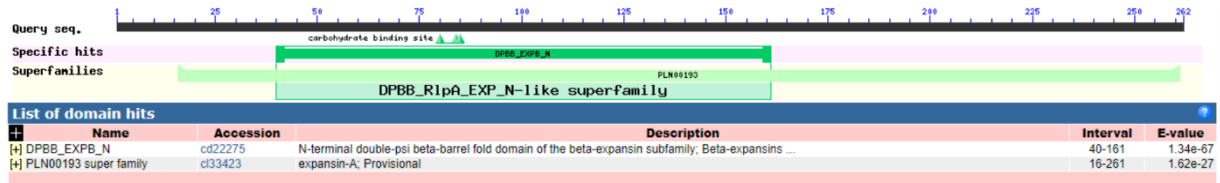
<https://banana-genome-hub.southgreen.fr/>

<https://musabase.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>MacEXPB-04

MASSFRRLSSLLVFGFLSLLRPCACYNRMNSSDIDLAMSPAVATWYGAAEGPGST
GGACGYGDGVAKAPFESKISAGNSALFKSGKGCACGYQVACTANPACSGRPVTVVI
TDQCPGACDNDPLHFDLSGAAFGAMAKPGEAAALRSAGFIHVQYARVPCSYRGFHI
AFRVDNGSNPNYFAVLPEFVNGDGEISAAEVGQGSSWSPMQFSWGALWKLNPVH
GPASIRLTSAVSRKTIVATNVIPAGWRPGATYYSNVNF*

CDS (coding sequence)

>MacEXPB-04

ATGGCCTCCTCCTTTCGTCGTCTCTCTTCTCTTCTTGTTTTCGTTGGTTTCCTTTCCC
TGCTCCGCCCTGCGCTTGCTACAACCGCATGAACTCGTCCGACACTGACTTGGC
CATGTGCGCCGGCTGTAGCCACCTGGTACGGGGCCGCCGAAGGCCCTGGAAGTACT
GGTGGTGCATGCGGATATGGTGTATGGGGTTGCCAAGGCTCCGTTCCAATCCAAGA
TATCAGCAGGTAATTCTGCGCTGTTCAAATCAGGCAAGGGATGTGGTGCTTGCTA
TCAGGTTGCGTGCACGGCGAACCCTGCATGCTCCGGGAGGCCGGTGACCGTGGTC
ATCACGGACCAGTGCCCCGGCGCGTGTGATAACGACCCGCTCCATTTTGACCTCA
GCGGGGCTGCCTTCGGGGCCATGGCGAAGCCTGGCGAAGCCGCTGCGCTTCGCA
GCGCGGGCTTCATTCACGTACAATACGCCAGAGTGCCCTGCAGCTACCGGGGCTT
TCACATCGCCTTCAGGGTGGACAACGGATCCAACCCAAACTACTTCGCCGTGCTC
CCCGAGTTCGTAAATGGGGACGGCGAAATCTCGGCCGCCGAAGTGGGGCAGGGG
AGCTCGTGGTCGCCATGCAGTTTTCGTGGGGCGCCCTTTGGAAGCTGAACGCGC
CAGTGCATGGTCCAGCTTCGATCCGGCTGACCTCCGCCGTGTGAGGAAGACCAT
CGTTGCCACCAACGTCATCCCCGCGGGTTGGAGACCAGGGGCCACGTACTACTCC
AACGTCAACTTCTAA

Nucleotide

>MacEXPB-04

ATGGCCTCCTCCTTTCGTCGTCTCTCTTCTCTTCTTGTTTTCGTTGGTTTCCTTTCCC
TGCTCCGCCCTGCGCTTGCTACAACCGCATGAACTCGTCCGACACTGACTTGGC
CATGTGCGCCGGCTGTAGCCACCTGGTACGGGGCCGCCGAAGGCCCTGGAAGTACT

GGTAATGTCTACAATGTTCCCTGCGTTACGTTCTGAAGTATGCATGAGAGCATAACG
TGAAATAGTGGATCAGCATGTATGTGTATAATATATACAGGTGGTGCATGCCGGAT
ATGGTGATGGGGTTGCCAAGGCTCCGTTCTGAATCCAAGATATCAGCAGGTAATTC
TGCGCTGTTCAAATCAGGCAAGGGATGTGGTGCTTGCTATCAGGTATACACGCCT
TAGCCAGCTAGCTAGATTGTCTCATTTGCAACGTAGATAATGCTGGGAGACAGAT
TGATGATGGCACTGATCGGATCAGGTTGCGTGCACGGCGAACCCTGCATGCTCCG
GGAGGCCGGTGACCGTGGTCATCACGGACCAGTGCCCCGGCGCGTGTGATAACG
ACCCGCTCCATTTTGACCTCAGCGGGGCTGCCTTCGGGGCCATGGCGAAGCCTGG
CGAAGCCGCTGCGCTTCGCAGCGCGGGCTTCATTCACGTACAATACGCCAGGTGA
CAACCCCAACCCGGAACCTCAACTGCCACTCGAACACCCTTATCCTAACACACTCT
CCTGTGGCTTCGTAGAGTGCCCTGCAGCTACCGGGGCTTTCACATCGCCTTCAGG
GTGGACAACGGATCCAACCCAACTACTTCGCCGTGCTCCCCGAGTTCGTAAATG
GGGACGGCGAAATCTCGGCCGCCGAAGTGGGGCAGGGGAGCTCGTGGTCGCCCA
TGCAGTTTTCGTGGGGCGCCCTTTGGAAGCTGAACGCGCCAGTGCATGGTCCAGC
TTCGATCCGGCTGACCTCCGCCGTGTCGAGGAAGACCATCGTTGCCACCAACGTC
ATCCCCGCGGGTTGGAGACCAGGGGCCACGTACTACTCCAACGTCAACTTCTAA