

IDENTIFICATION

Species: *Musa acuminata*

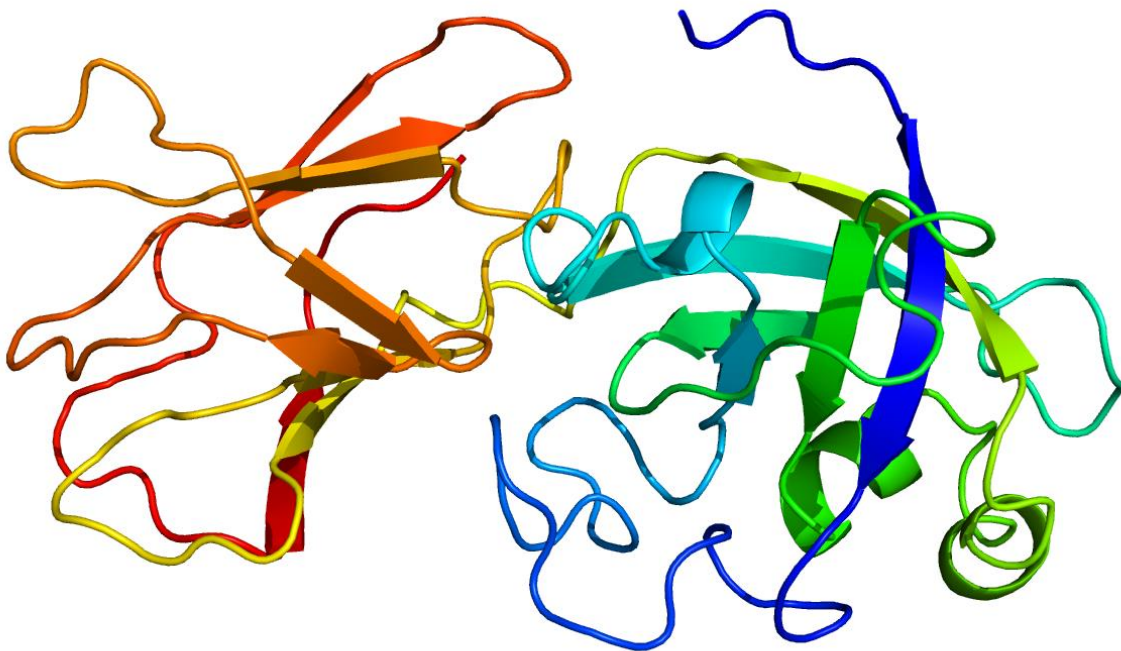
Locus: GSMUA_Achr2P13730_001

Gene Model: GSMUA_Achr2P13730_001

Description: MacEXPB-02

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

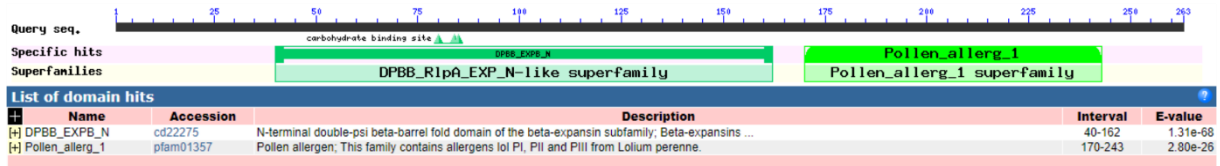
<https://banana-genome-hub.southgreen.fr/>

<https://musabase.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>MacEXPB-02

MASSFRRLSSLLVFGFLSLLRPCACYNRMNSSDIDLAMSPAVATWYGAAEGPGST
GGACGYGDGVAKAPFDSKISAGGTSLYKSGKGCACGYQVACTANPACSGSPVTVVI
TDQCPGGPCASDSVHFDLSGAAFGAMAKPGQADALRSVGSIIQIYARVPCSYPGFHV
AFRVDDGSNSNYLAVLPEFVNGDGEISAVEVVGQSSWTPMQNSWGALWKLNAPVP
GPASIRLTSAVSSKTIVATNVIPAGWRPGATYYSNVNF*

CDS (coding sequence)

>MacEXPB-02

ATGGCCTCCTCCTTTCGTCGTCTCTCTTCTCTTCTTGTGTTTTTCGTTGGTTTCCTTTCCC
TGCTCCGCCCTGCGCTTGCTACAACCGCATGAACTCGTCCGACACTGACTTGGC
CATGTGCGCCGGCTGTAGCCACCTGGTACGGGGCCGCCGAAGGCCCTGGAAGTACT
GGTGGCGCATGCGGATATGGTGTATGGGGTTGCCAAGGCTCCGTTTCGATTCCAAGA
TATCAGCAGGTGGTACTTCGCTGTACAAATCAGGCAAGGGATGTGGTGCTTGCTA
TCAGGTTGCGTGCACGGCGAACCCTGCATGCTCCGGGAGTCCGGTGACCGTGGTC
ATCACGGACCAGTGCCCCGGCGGCCCGTGTGCTTCCGACTCCGTCCATTTTGACCT
CAGCGGGGCTGCCTTCGGGGCCATGGCGAAGCCTGGCCAAGCCGATGCGCTTCGC
AGCGTGGGCTCCATTCAAATACAATACGCCAGAGTGCCCTGCAGCTACCCGGGCT
TTCACGTGCGCTTCAGGGTGGACGACGGATCCAACCTCAAACACTTGGCCGTGCT
CCCCGAGTTCGTAAATGGGGACGGCGAGATCTCGGCCGTGGAAGTGGGGCAGGG
GAGCTCGTGGACGCCATGCAGAATTCGTGGGGCGCCCTTTGGAAGCTGAACGCG
CCAGTGCCTGGTCCAGCTTCGATCCGGCTGACCTCCGCCGTGTCGAGCAAGACCA
TCGTTGCCACCAACGTCATCCCCGCGGGTTGGAGACCAGGGGCCACGTACTACTC
CAACGTCAACTTCTAA

Nucleotide

>MacEXPB-02

ATGGCCTCCTCCTTTCGTCGTCTCTCTTCTCTTCTTGTGTTTTTCGTTGGTTTCCTTTCCC
TGCTCCGCCCTGCGCTTGCTACAACCGCATGAACTCGTCCGACACTGACTTGGC
CATGTGCGCCGGCTGTAGCCACCTGGTACGGGGCCGCCGAAGGCCCTGGAAGTACT

GGTAATGTCTACAATGTTCCCTGCGTTACGTTCTGAAGTATGCATGAGAGCATAACG
TGAAATAGTGGATCAGCATGTATGTGTATAATATATACAGGTGGCGCATGCCGGAT
ATGGTGATGGGGTTGCCAAGGCTCCGTTTCGATTCCAAGATATCAGCAGGTGGTAC
TTCGCTGTACAAATCAGGCAAGGGATGTGGTGCTTGCTATCAGGTATACACGCCT
TAGCCAGCTAGCTAGATTGTCTCATTGCAACGTAGATAATGCTGGGAGACAGAT
TGATGATGGAACCTGATCGGATCAGGTTGCGTGCACGGCGAACCCTGCATGCTCCG
GGAGTCCGGTGACCGTGGTCATCACGGACCAGTGCCCCGGCGGCCCGTGTGCTTC
CGACTCCGTCCATTTTGACCTCAGCGGGGCTGCCTTCGGGGCCATGGCGAAGCCT
GGCCAAGCCGATGCGCTTCGCAGCGTGGGCTCCATTCAAATACAATACGCCAGGT
GACAACCCCAACCCGGAACCTCAACTGCCACTCGAACACCCTTATCCTAACATACT
CTCCTGTGGCTTCGTAGAGTGCCCTGCAGCTACCCGGGCTTTCACGTCGCCTTCAG
GGTGGACGACGGATCCAACCTCAAACCTACTTGGCCGTGCTCCCCGAGTTCGTAAAT
GGGGACGGCGAGATCTCGGCCGTGGAAGTGGGGCAGGGGAGCTCGTGGACGCC
ATGCAGAATTCGTGGGGCGCCCTTTGGAAGCTGAACGCGCCAGTGCCTGGTCCAG
CTTCGATCCGGCTGACCTCCGCCGTGTCGAGCAAGACCATCGTTGCCACCAACGT
CATCCCCGCGGGTTGGAGACCAGGGGCCACGTACTACTCCAACGTCAACTTCTAA