

IDENTIFICATION

Species: *Musa acuminata*

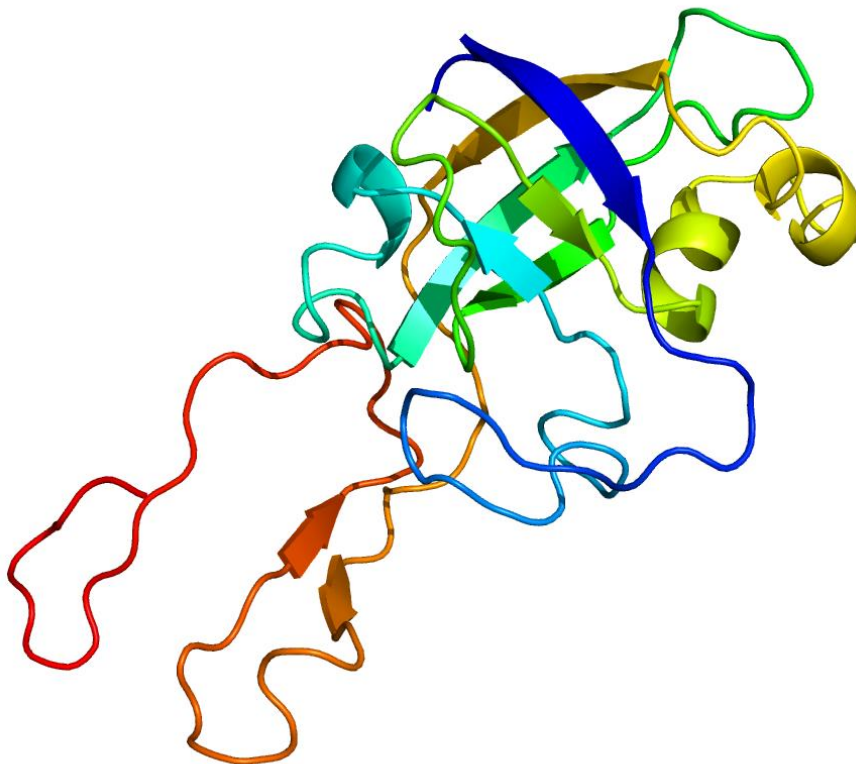
Locus: GSMUA_AchrUn_randomP25410_001

Gene Model: GSMUA_AchrUn_randomP25410_001

Description: MacEXLA-06

Family: Expansin Like Alpha

3D structure:



GENOME DATABASES

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

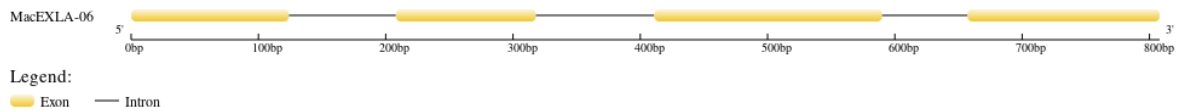
KEGG: <https://www.genome.jp/entry/T03447>

EXTERNAL RESOURCES

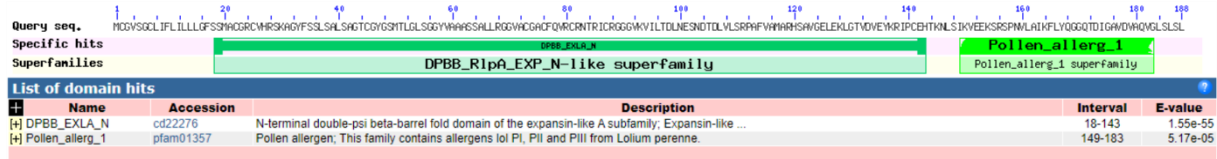
<https://banana-genome-hub.southgreen.fr/>

<https://musabase.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>MacEXLA-06

MCGVSGCLIFLILLLLGFSSMACGRCVHRKAGYFSSLSALSAGTCGYGSM TLGLSGG
 YVAAASSALLRGGVACGACFQVRCRNRICRGGGVK VILTDLNESNDTDLVLSRPAF
 VAMARHSAVGELEKLGTV DVEYKRIPCEHTKNLSIKVEEKSRSPNVLAIKFLYQGGQ
 TDIGAVDVAQVGLSLSL*

CDS (coding sequence)

>MacEXLA-06

ATGTGTGGTGT TTTCTGGCTGCTTAATCTTTCTTATCCTCCTTCTTGGCTTTTCTTCT
 ATGGCCTGTGGCAGGTGCGTCCACCGATCCAAGGCTGGATACTTCTTCTTCTTTCT
 TGCTCTTTCTGCTGGGACTTGTGGATATGGTTCATGACTTTGGGACTCAGTGGAG
 GCTATGTGCTGCTGCAAGCTCCGCTCTTCTCAGAGGTGGCGTTGCCTGTGGAGC
 ATGCTTCCAGGTGAGGTGTAGGAACACGAGGATCTGTAGAGGAGGAGGGGTCAA
 AGTGATCCTCACGGACCTTAACGAGAGCAATGACACCGATTTGGTGCTAAGCAGA
 CCGGCTTTTGTGGCCATGGCACGGCACTCGGCGGTTCGGAGAGCTGGAGAACTTG
 GCACTGTGGATGTAGAATAACAAGAGGATTCCATGCGAACACACGAAGA ACTTAT
 CTATCAAAGTGGAAGAGAAGAGCCGAAGTCCCAATGTTTTGGCCATCAAGTTCCT
 GTACCAGGGAGGTCAA ACTGACATAGGAGCAGTGGATGTTGCACAGGTAGGCCT
 CTCTCTCTCTCTC

Nucleotide

>MacEXLA-06

ATGTGTGGTGT TTTCTGGCTGCTTAATCTTTCTTATCCTCCTTCTTGGCTTTTCTTCT
 ATGGCCTGTGGCAGGTGCGTCCACCGATCCAAGGCTGGATACTTCTTCTTCTTTCT
 TGCTCTTTCTGGTATGTTGTATCCCTGTACAATCGTTGACTTCTTAATTAGACCTT
 CAGTGTGAGCTCGATCAAATGATTTCTCCTGTGTTTAGCTGGGACTTGTGGATATG
 GTTCCATGACTTTGGGACTCAGTGGAGGCTATGTCGCTGCTGCAAGCTCCGCTCTT
 CTCAGAGGTGGCGTTGCCTGTGGAGCATGCTTCCAGGTTAGCTTCAGATACTGAA
 ACTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCAGGTATGTGAGCT
 TCTTGTAATTAAGCAGGTGAGGTGTAGGAACACGAGGATCTGTAGAGGAGGAGG
 GGTCAAAGTGATCCTCACGGACCTTAACGAGAGCAATGACACCGATTTGGTGCTA

AGCAGACCGGCTTTTGTGGCCATGGCACGGCACTCGGCGGTTCGGAGAGCTGGAG
AAACTTGGCACTGTGGATGTAGAATACAAGAGGTAATAAATGGATGTGAGAGTT
GGCATTAGACACACATTGTTTATTGTAACACTTCCTGTGAGCAGGATTCCATGC
GAACACACGAAGAACTTATCTATCAAAGTGGAAGAGAAGAGCCGAAGTCCCAAT
GTTTGGCCATCAAGTTCCTGTACCAGGGAGGTCAAAGTACATAGGAGCAGTGG
ATGTTGCACAGGTAGGCCTCTCTCTCTCTC