

IDENTIFICATION

Species: *Musa acuminata*

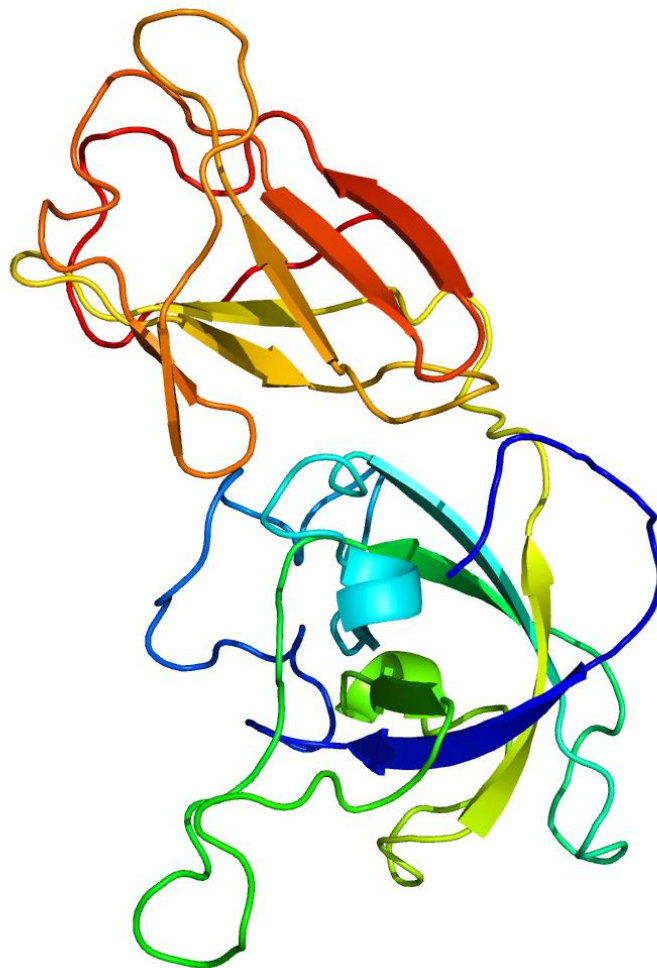
Locus: GSMUA_Achr5P07470_001

Gene Model: GSMUA_Achr5P07470_001

Description: MacEXPA-17

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

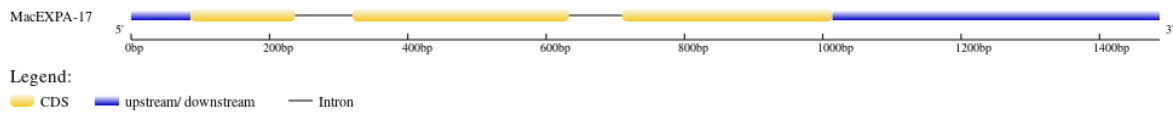
KEGG: <https://www.genome.jp/entry/T03447>

EXTERNAL RESOURCES

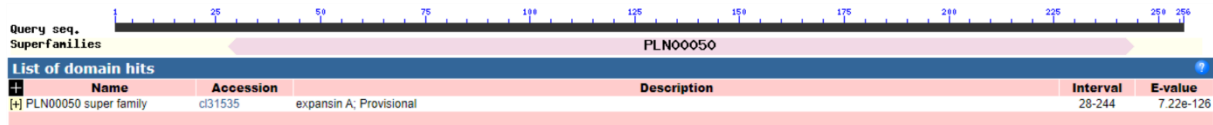
<https://banana-genome-hub.southgreen.fr/>

<https://musabase.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>MacEXPA-17

MAKSISSLIALFFLMSSFSSFISGAVGDSYGWQNAHATFYGGGDASGTMGGACGYG
NLYSQGYGTNTAALSTALFNGLNCGACYEMRCADDPWCLPGSIVVTATNFCPPN
YALPSDNGGWCNPPRQHFDLAEPAFLQIAQYRAGIVPVSFRRVPCVKKGGVRFING
HSYFILVLITNVGAAGDVHAVSIKGSKTGWQRMSRNWQNWQSNYLDGQSLSFQV
TTSDGRTITSYNVAPAGWQFGQTFQGQQF*

CDS (coding sequence)

>MacEXPA-17

ATGGCTAAGTCAATCTCCTCCCTCTCCATTGCTCTTTTCTTCCTAATGTCCTCCTTC
AGCTCCTTCATATCGGGAGCCGTGGGAGACTCCTACGGGTGGCAGAACGCCCATG
CTACGTTCTATGGTGGCGGCGACGCCTCCGGCACTATGGGCGGGGCTTGTGGCTA
TGGCAACCTCTACAGCCAAGGGTACGGGACCAACACCGCGGCCCTCAGCACTGC
GCTCTTCAACAATGGGCTCAACTGCGGCGCTTGTACGAGATGCGGTGCGCCGAT
GACCCCGGTGGTGCCTCCCGGGCTCTATTGTCGTCACGGCCACCAACTTCTGCC
TCCGA ACTACGCCCTCCCAGCGACAACGGCGGGTGGTGTAAACCCTCCACGGCAA
CATTTCGACCTCGCCGAGCCCGCCTTCCCTCCAGATCGCGCAGTACCGTGCTGGCA
TCGTCCCTGTCTCCTTCCGCAGGGTGCCTGTGTGAAGAAGGGAGGCGTAAGGTT
CACCATCAATGGCCACTCCTACTTCATCCTGGTGCTGATCACCACGTGGGCGCG
GCCGCGACGTGCACGCGGTGTCGATAAAGGGGTCGAAGACAGGGTGGCAGAGG
ATGTCGCGCAACTGGGGCCAGAACTGGCAGAGCAACTCGTACCTGGACGGGCAG
AGCCTCTCGTTCCAGGTGACTACCAGCGACGGCAGGACGATCACCAGCTACAACG
TGGCACCTGCCGGGTGGCAGTTCGGCCAGACCTTCCAGGGACAGCAATTCTAG

Nucleotide

>MacEXPA-17

ACACAGCCTTTCCCTCCGCTTCTCTTCACTACTCCTCCTGTTTGCTCACTCACGACT
TCAATCTTTCTTTAGTGGGAATAACTCCAATGGCTAAGTCAATCTCCTCCCTCTCC
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AGACTCCTACGGGTGGCAGAACGCCCATGCTACGTTCTATGGTGGCGGCGACGCC
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ACATCCGCATCTTAATATGGTTGGGCTTACTCTTGTTCAGGCGGGGCTTGTGGCT

ATGGCAACCTCTACAGCCAAGGGTACGGGACCAACACCGCGGCCCTCAGCACTG
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TGACCCCGGTGGTGCCTCCCGGGCTCTATTGTCGTACGGCCACCAACTTCTGCC
CTCCGAACCTACGCCCTCCCCAGCGACAACGGCGGGTGGTGTAAACCTCCACGGCA
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TGAAGAAGGGAGGCGTAAGGTTACCATCAATGGCCACTCCTACTTCATCCTGGT
GCTGATACCAACGTGGGCGCGGCCGGCGACGTGCACGCGGTGTGCATAAAGGG
GTCGAAGACAGGGTGGCAGAGGATGTCGCGCAACTGGGGCCAGAACTGGCAGAG
CAACTCGTACCTGGACGGGCAGAGCCTCTCGTTCCAGGTGACTACCAGCGACGGC
AGGACGATCACCAGCTACAACGTGGCACCTGCCGGGTGGCAGTTCGGCCAGACC
TTCCAGGGACAGCAATTCTAGCCTCGCATTGTCGTTGAAGATTAAGGGTGGAGG
CATTTCGGTCTGGTTGAATGCAGAGGTAGCTTCCTTAGCACCCGCTGAGGCCAAAG
TATAAGATTATTACGGTGGTCAGTAATACATTATACAGGACAATAGACGATAGAA
ATCCTCTGCAATAAGATGATTCAGTGGTGACGTTGTATCACCTACAGTGTATCGT
ATGCTTTCTACTGCTGCTCAATCCATCTTCTCATCGTGTACCTACCAAATCCTCT
GTGTCTCGCTCGCAGACAACGCACAACATCTGCCAGTTTAGGGTGTCTTTTCGGC
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