

IDENTIFICATION

Species: *Musa acuminata*

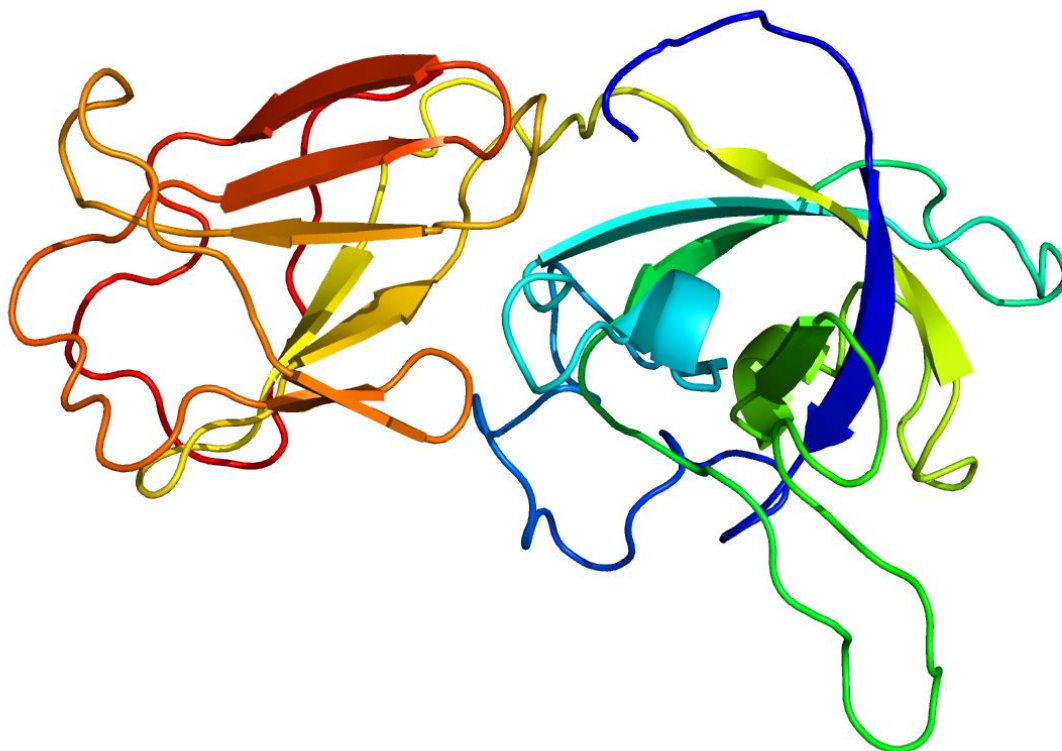
Locus: GSMUA_Achr6P10730_001

Gene Model: GSMUA_Achr6P10730_001

Description: MacEXPA-21

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

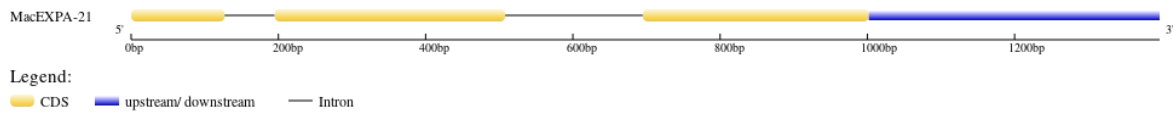
KEGG: <https://www.genome.jp/entry/T03447>

EXTERNAL RESOURCES

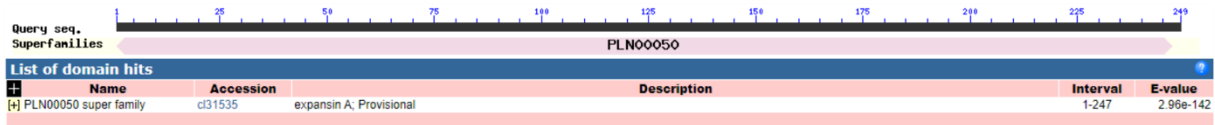
<https://banana-genome-hub.southgreen.fr/>

<https://musabase.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>MacEXPA-21

MRLGLAVIAFVSLLSAAHGYGGGWTRAHATFYGGSDASGTMGGACGYGNLYSQ
YGTNTAALSTALFNGLSCGACYELMCVNDHQYCLRGTIVVTATNFCPPNSALPND
AGGWCNPPLQHFDLSQPVFLRIAQYRAGIVPVAYRRVPCRKRGGIRFTINGHSYFNLV
LITNVGGAGDVNAVSVKGSRTGWQSMSRNWQNWQSN SYLNGQALSFKVTTGDG
RSLVSYNVAPASWSFGQTFSGGQFR*

CDS (coding sequence)

>MacEXPA-21

ATGCGTCTTCTTGGGCTTGCTGTGATTGCTTTCGTCTCGTTGCTCTCTGCTGCACAT
GGGTATGGAGGGGGATGGACCAGAGCTCATGCTACCTTCTATGGTGAAGCGAT
GCGTCGGGGACAATGGGTGGTGGCTTGTGGCTACGGCAACTTGTACAGCCAAGGGT
ATGGGACTAACACAGCTGCCCTGAGCACAGCCCTCTTCAACAATGGCCTCAGCTG
TGGAGCTTGCTATGAGCTGATGTGCGTGAACGACCACCAATACTGCCTGCGGGGA
ACCATCGTGGTCACTGCCACCAACTTCTGCCCGCCAACAGCGCCCTCCCAAACG
ATGCTGGGGGATGGTGTAAACCCTCCCCTGCAGCATTTCGATCTCTCTCAGCCCGTC
TTCCTCCGCATTGCTCAGTACAGGGCTGGAATTGTGCCCCTCGCGTATCGCAGGG
TCCCATGCAGGAAGAGAGGAGGGATCAGGTTACCATCAATGGCCACTCCTACTT
CAACCTGGTTCTGATACCAACGTTGGAGGAGCCGGAGATGTGAACGCGGGTGTCC
GTCAAAGGGTCCAGGACCGGGTGGCAGTCCATGTCCAGGAACTGGGGCCAGAAC
TGGCAGAGCAACAGCTACCTCAATGGCCAAGCCCTCTCCTTCAAGGTCACCACCG
GCGACGGACGCTCTCTGGTCTCCTACAATGTGGCTCCTGCAAGCTGGTCCTTCGG
ACAAACCTTCAGCGGTGGCCAATTCCGCTAA

Nucleotide

>MacEXPA-21

ATGCGTCTTCTTGGGCTTGCTGTGATTGCTTTCGTCTCGTTGCTCTCTGCTGCACAT
GGGTATGGAGGGGGATGGACCAGAGCTCATGCTACCTTCTATGGTGAAGCGAT
GCGTCGGGGACAATGGGTGAGCTAAGGAACTAAGACTGATATCCACGACTTGG
ATCTCTAATCGGTGAACCTTGGGAATGCAGGTGGTGGCTTGTGGCTACGGCAACTT
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AATGGCCTCAGCTGTGGAGCTTGTATGAGCTGATGTGCGTGAACGACCACCAAT

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CTCTCTCAGCCCGTCTTCCTCCGCATTGCTCAGTACAGGGCTGGAATTGTGCCCGT
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GTTGGAGGAGCCGGAGATGTGAACGCGGTGTCCGTCAAAGGGTCCAGGACCGGG
TGGCAGTCCATGTCCAGGAACTGGGGCCAGA ACTGGCAGAGCAACAGCTACCTC
AATGGCCAAGCCCTCTCCTTCAAGGTCACCACCGGCGACGGACGCTCTCTGGTCT
CCTACAATGTGGCTCCTGCAAGCTGGTCCTTCGGACAAACCTTCAGCGGTGGCCA
ATTCCGCTAAACCATTTTCGGTTCGCGGTAAGATTACATTGCATGGTATATACTG
GAGTCTCAGTGTACAATTTAGAGATCAGAGGGGCTTGTTTTACTTCGGCCCTTCGT
AGTATTGGTATTGAATTCGTCTCTAGGCCTTGTATTAGAGGCTTACTACTGCTCT
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GCTTGTACTGTTGTTGCATTTGCTGTATTAACCATATAATTTATGCTAAGTGGATC
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