IDENTIFICATION

Species: *Musa acuminata*

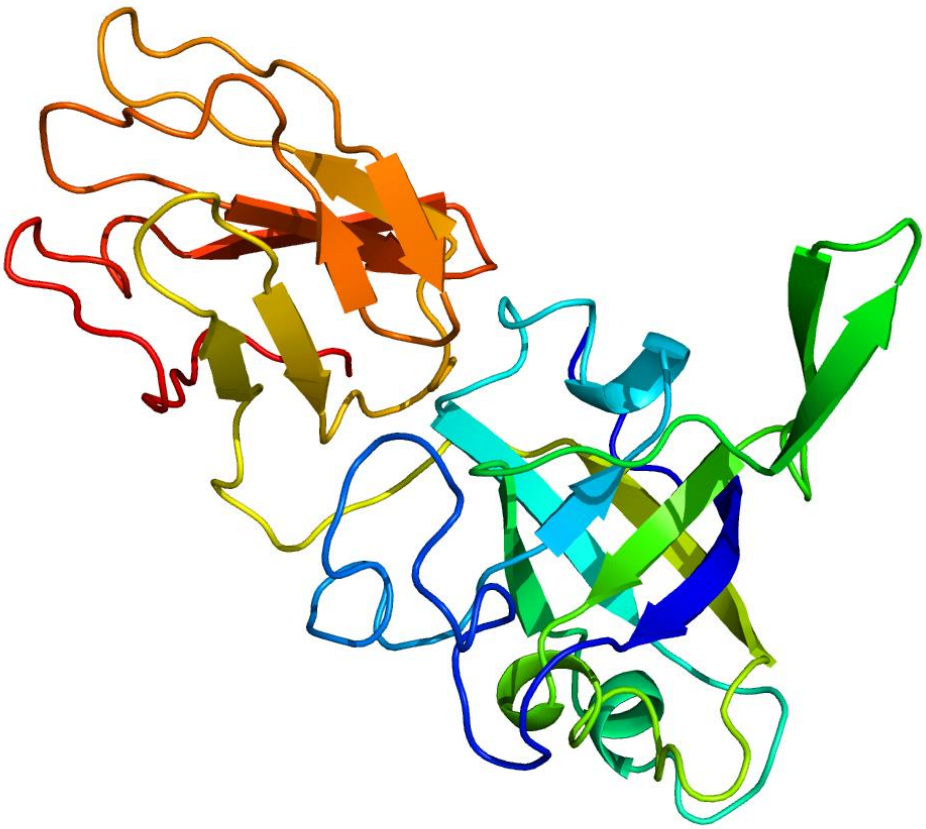
Locus: GSMUA_Achr10P26620_001

Gene Model: GSMUA_Achr10P26620_001

Description: MacEXPA-31

Family: Alpha Expansin

3D structure:



GENOME DATABASES

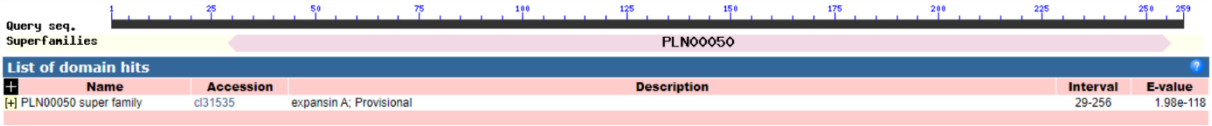
Phytozome: https://phytozome-next.jgi.doe.gov/info/Macuminata_v1
KEGG: https://www.genome.jp/entry/T03447

EXTERNAL RESOURCES

https://banana-genome-hub.southgreen.fr/
https://musabase.org/

GENE STRUCTURE

DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>MacEXPA-31

MALAAFISVASLLALLAPAAARIPGVYTGGQWQSAHATFYGGSDASGTMGGACGYG
NLYSQGYGVETAALSTALFDEGQSCGACFEIKCADDPRWCHPGSPSIFITATNFCPPN
YALAPDNGGWCNPPRPHFDLSMPMFLKIAEYRAGIVPVSYRRVPCRRSGGIRFTINGF
QYFNLVLITNVAGAGDIVRASVKGSRTGWMPMSRNWGQNWQSNAVLVGQPLSFRV
TGSDRRTSTSWNIVPSNWQFGQTFEGKNYRA*

CDS (coding sequence)

>MacEXPA-31

ATGGCGTTGGCCGCCTTCATCTCTGTTGCCTCCCTACTGGCCCTTCTTGCCCCGGC
GGCTGCGCGCATTCCTGGCGTCTACACTGGGGGCCAGTGGCAGAGCGCCCATGCC
ACATTCTACGGCGGCAGCGACGCGTCCGGGACCATGGGAGGAGCGTGTGGGTAC
GGGAACCTGTACAGCCAGGGGTACGGGGTGGAGACGGCGGCGCTGAGCACGGCG
CTGTTCGACGAGGGGCAGAGCTGCGGGGCGTGCTTCGAGATCAAGTGCGCGGAT
GATCCGCGGTGGTGCCACCCCGGGAGCCCCTCCATCTTCATCACGGCTACCAACT
TCTGCCCGCCAAACTACGCGCTCGCCCCCGATAACGGTGGGTGGTGCAACCCGCC
TCGCCCCCACTTCGACCTCTCCATGCCCATGTTCCTCAAGATCGCCGAGTACCGCG
CCGGCATCGTCCCCGTCTCATACCGAAGGGTGCCGTGCAGGAGGTCGGGAGGGA
TCCGGTTCACCATCAACGGGTTCCAGTACTTCAACCTGGTGCTGATCACCAACGT
GGCGGGCGCCGGTGACATAGTCCGCGCCAGCGTCAAGGGCTCCCGCACCGGGTG
GATGCCCATGTCCCGGAACTGGGGTCAGAACTGGCAGTCGAACGCTGTCCTCGTC
GGCCAGCCGCTCTCCTTCCGCGTCACCGGCAGCGACCGCCGCACCTCCACCTCCT
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CCGAGCCTGA

Nucleotide

>MacEXPA-31

ATGGCGTTGGCCGCCTTCATCTCTGTTGCCTCCCTACTGGCCCTTCTTGCCCCGGC
GGCTGCGCGCATTCCTGGCGTCTACACTGGGGGCCAGTGGCAGAGCGCCCATGCC
ACATTCTACGGCGGCAGCGACGCGTCCGGGACCATGGGTAAGCCGCATTCCTCTA
CCGGTGGCCGATCCGTCGCGTTGCACCTCGGAGGAGGCGGAATTTGATGGGATTT
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GGGTGGAGACGGCGGCGCTGAGCACGGCGCTGTTCGACGAGGGGCAGAGCTGCG
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GCCCCTCCATCTTCATCACGGCTACCAACTTCTGCCCGCCAAACTACGCGCTCGCC
CCCGATAACGGTGGGTGGTGCAACCCGCCTCGCCCCCACTTCGACCTCTCCATGC
CCATGTTCCTCAAGATCGCCGAGTACCGCGCCGGCATCGTCCCCGTCTCATACCG
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GCTTTGAGATGAGCACGAAGACGCGATCAGCGTCATCGACATCCGCGCTTTTGTG
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GATGTCTTCGAAATCGCTTTAATCGCATACGTTTCGTGTGATCCATCTTGGCTTCT
CTCTCTTGTCTCCGTTTTCTTGATCTATCTAAATTTTTGTACTCAAATAGCGACAAT
CCGGAATTGGTCGCCATGTGTTTGCTGATATGTCCGGGGCCGCAGGGTGCCGTGC
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TGCTGATCACCAACGTGGCGGGCGCCGGTGACATAGTCCGCGCCAGCGTCAAGG
GCTCCCGCACCGGGTGGATGCCCATGTCCCGGAACTGGGGTCAGAACTGGCAGTC
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CGCACCTCCACCTCCTGGAACATCGTCCCCTCCAACTGGCAGTTCGGCCAGACCT
TCGAGGGCAAGAACTACCGAGCCTGA