

IDENTIFICATION

Species: *Musa acuminata*

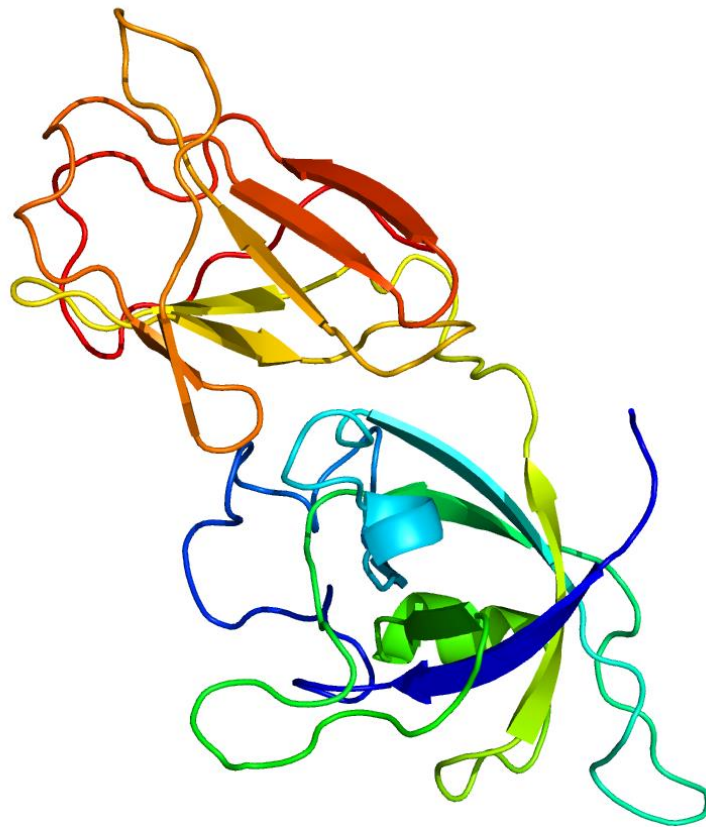
Locus: GSMUA_Achr1P00140_001

Gene Model: GSMUA_Achr1P00140_001

Description: MacEXPA-01

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

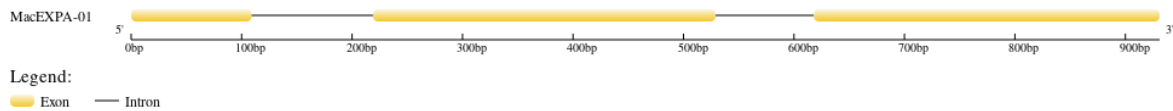
KEGG: <https://www.genome.jp/entry/T03447>

EXTERNAL RESOURCES

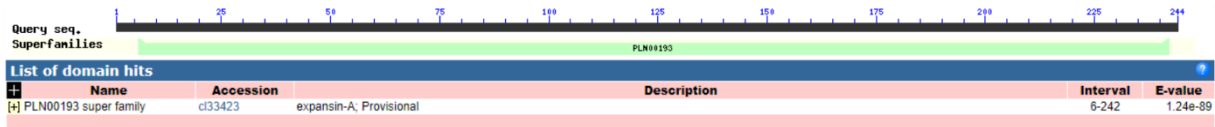
<https://banana-genome-hub.southgreen.fr/>

<https://musabase.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>MacEXPA-01

MVSLIFFAMLSLAVAKAQWLPGHATFYGANQDPTSLGGACGYDNTIHAGFGINTAA
LSGALFRQGEACGACFEIACDAGADPQWCLGHATVTVTATNFCPPNNGGWCDPPR
RHFDMSLPAFSRIARVGSEGIVPVLYRRVACKRSGGVRFTLKGQGNFNLVMFSNVGG
SGDVKAAWIRGSRASTWSAMQRNWGANWQTNADYRNQRLSFRLALGDGKTLEFS
GVVPSSWSPGETFVSQTQFS*

CDS (coding sequence)

>MacEXPA-01

ATGGTCTCACTCATCTTCTTCGCGATGCTAAGCCTGGCGGTGGCCAAGGCTCAGT
GGTTGCCGGGGCATGCCACGTTCTACGGAGCCAACCAAGACCCTACTTCGCTTGG
AGGAGCTTGTGGTTACGACAACACCATCCACGCCGGCTTCGGCATCAACACGGCA
GCCTTGAGCGGCGCGCTGTTCCGACAGGGCGAGGCCTGCGGCGCGTGCTTCGAGA
TCGCTGTGACGCAGGCGCCGACCCGCAAGTGGTGCTTGGCCACGCCACCGTCAC
CGTCACCGCCACCAACTTCTGTCCTCCCAACAACAACGGTGGCTGGTTCGACCCG
CCCCGTCGTCACTTCGACATGTCTCTCCCGCCTTCTCCCGCATCGCTCGTGTAGG
CAGCGAAGGCATCGTCCCAGTCTCTACAGAAGGGTGGCCTGCAAGAGGTCAGG
CGGAGTGCAGTTCACGCTGAAAGGACAGGGAACTTCAACCTGGTGTGTTCTCC
AACGTGGGGGGGAGCGGGCAGCTGAAGGCTGCATGGATCAGGGGCTCGAGGGCG
TCGACGTGGAGCGCCATGCAGCGAACTGGGGCGCCAACTGGCAGACCAACGCC
GACTACCGGAACCAGCGGCTGTCGTTCCGGCTCGCGCTCGGGCAGGGGAAGACC
CTGGAGTTCTCAGGCGTTGTACCCTCAAGCTGGAGCCCCGGGGAGACCTTCGTGT
CCCAGACTCAGTTCTCGTAG

Nucleotide

>MacEXPA-01

ATGGTCTCACTCATCTTCTTCGCGATGCTAAGCCTGGCGGTGGCCAAGGCTCAGT
GGTTGCCGGGGCATGCCACGTTCTACGGAGCCAACCAAGACCCTACTTCGCTTGG
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GCACTCGAGCCTCGTTGTACCTCATCCGTGTGCATGTTTGATCGTGCTTCACAGGA
GGAGCTTGTGGTTACGACAACACCATCCACGCCGGCTTCGGCATCAACACGGCAG

CCTTGAGCGGCGCGCTGTTCCGACAGGGCGAGGCCTGCGGGCGCGTGCTTCGAGAT
CGCCTGTGACGCAGGCGCCGACCCGCAGTGGTGCCTTGGCCACGCCACCGTCACC
GTCACCGCCACCAACTTCTGTCCTCCCAACAACAACGGTGGCTGGTGCACCCGC
CCCGTCGTCACCTTCGACATGTCTCTCCCCGCCTTCTCCCGCATCGCTCGTGTAGGC
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GCAGCGATCAGACAAGACTCACCGTCGCATCTAAAGCTCTTCCTTTTGTGCGCGCT
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GACAGGGAAACTTCAACCTGGTGTATGTTCTCCAACGTGGGGGGGAGCGGGCGACG
TGAAGGCTGCATGGATCAGGGGCTCGAGGGCGTCGACGTGGAGCGCCATGCAGC
GGAAGTGGGGCGCCAACCTGGCAGACCAACGCCGACTACCGGAACCAGCGGCTGT
CGTTCCGGCTCGCGCTCGGGCAGCGGAAGACCCTGGAGTTCTCAGGCGTTGTACC
CTCAAGCTGGAGCCCCGGGGAGACCTTCGTGTCCAGACTCAGTTCTCGTAG