

IDENTIFICATION

Species: *Musa acuminata*

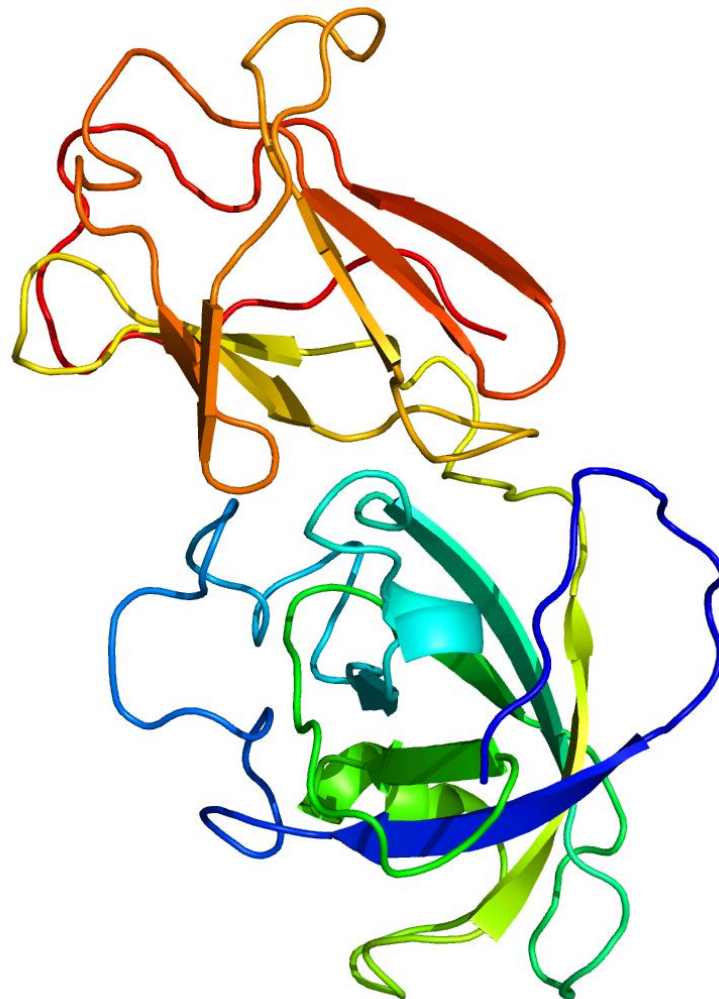
Locus: GSMUA_AchrUn_randomP08200_001

Gene Model: GSMUA_AchrUn_randomP08200_001

Description: MacEXPA-36

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

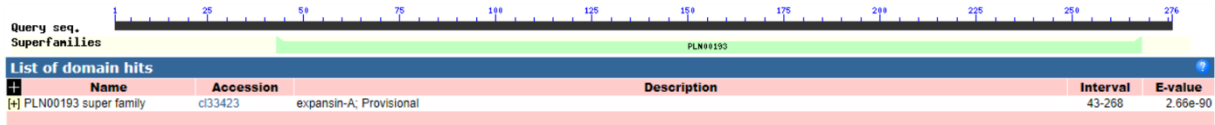
<https://banana-genome-hub.southgreen.fr/>

<https://musabase.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>MacEXPA-36

MPPTPSLPPPKSDLRQLFALLFLFHSLRSRLAAAHQSSSYAAAALTEWRSAHASYY
AASDPRDTFGGACGYGDLGKSGYGMATAGLSDALFEKGAACGGCYEVRCVEELRY
CLPGTSIVLTATNFCAPNYGLPADAGGICNHPNHLLMPIQAFEKIAIWKAGVMPIQY
RRVKCIREDGVRFTIDGKGFYTVLISNVAGAGDVTAVKIKGSVTGWLPMGRTWQG
NWHISADLKGQALSFEVTSSDGVTLTSYNVAPKDWDGKTYVGKQFPF*

CDS (coding sequence)

>MacEXPA-36

ATGCCGCCGACACCATCATTACCACCTCCACCTAAGTCCGACCTCCGCCAATTATT
CGCTCTCCTCTTCCCTCTTCCACTCTCTGCGCTCACGCTTGGCCGCAGCACACCAGG
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TACTACGCCGCCTCCGACCCGCGCGACACCTTTGGGGGCGCGTGCGGGTACGGCG
ACCTAGGGAAGAGCGGGTACGGGATGGCGACGGCGGGGCTGAGCGATGCGCTGT
TCGAGAAGGGCGCGGGCTGCGGGCGGCTGTTACGAGGTGCGGTGCGTGGAGGAGC
TGCCTACTGCCTGCCGGGACTTCCATCGTGCTACCGCTACCAATTTCTGCGCT
CCCAACTACGGCCTCCCGGGCGGACGCAGGTGGGATCTGCAACCATCCCAACCACC
ACCTACTCATGCCTATCCAAGCCTTTGAGAAGATCGCCATCTGGAAGGCCGGCGT
CATGCCCATCCAGTACCGCAGGGTCAAGTGCATAAGAGAAGATGGTGTTCGGTTT
ACCATAGATGGCAAGGGCTTCTTCTACACAGTGCTGATCAGTAATGTGGCAGGTG
CTGGTGATGTTACGGCGGTGAAGATAAAGGGGTCAGTGACTGGGTGGCTGCCCAT
GGGCCGAACCTGGGGCCAGAATTGGCACATCAGTGCTGACCTCAAGGGTCAGGC
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A

Nucleotide

>MacEXPA-36

ATGCCGCCGACACCATCATTACCACCTCCACCTAAGTCCGACCTCCGCCAATTATT
CGCTCTCCTCTTCCCTCTTCCACTCTCTGCGCTCACGCTTGGCCGCAGCACACCAGG
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