

IDENTIFICATION

Species: *Musa acuminata*

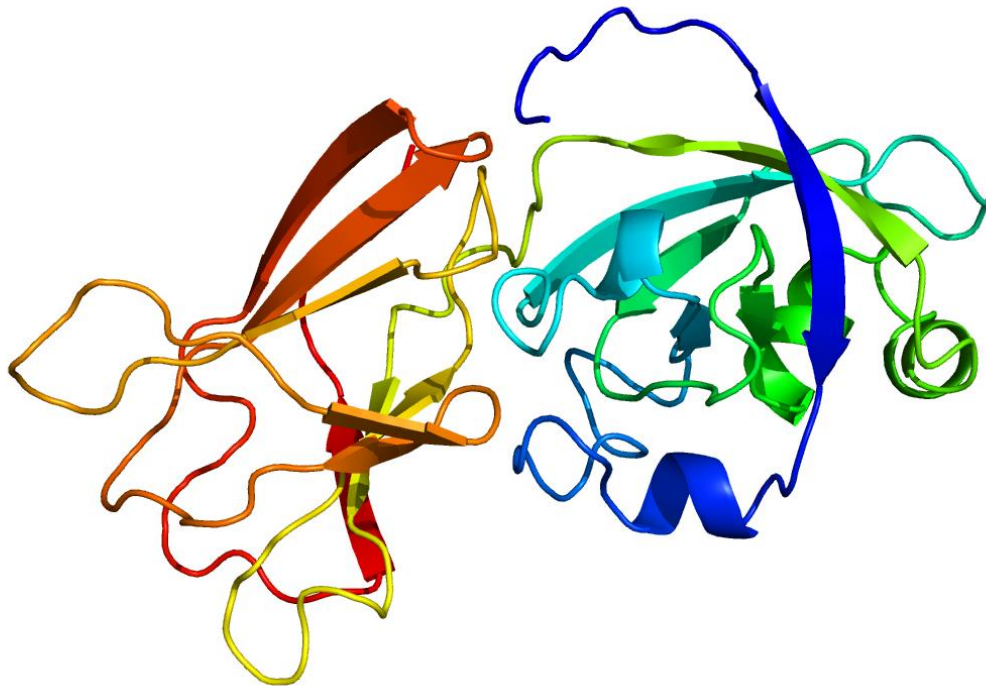
Locus: GSMUA_Achr5P19030_001

Gene Model: GSMUA_Achr5P19030_001

Description: MacEXLA-03

Family: Expansin Like Alpha

3D structure:



GENOME DATABASES

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

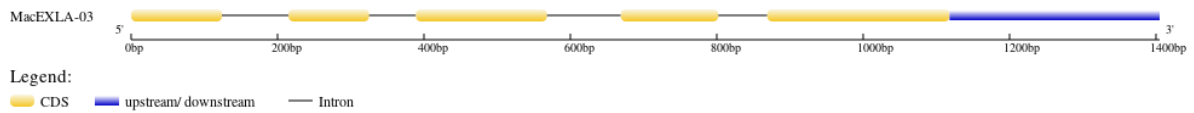
KEGG: <https://www.genome.jp/entry/T03447>

EXTERNAL RESOURCES

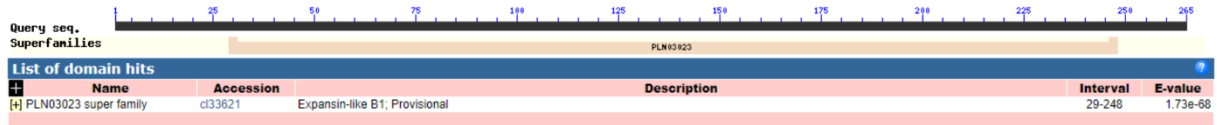
<https://banana-genome-hub.southgreen.fr/>

<https://musabase.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>MacEXLA-03

MGGGTVLAFFVLSLSILSATACDRCVHHSKAAAYSPSASALSVGACGYGSMALSFNGG
YIAAGSSALHREGFGCGACFQVRCKNRRLCSTGGVRVILTDLNKSNTTDLVLSPRAFT
AMARDGTAQELKRLGILDVEYKRIPCEYKKQNLISIRVESSRRPDRLVIKFLYQGGQT
DIVAVDVAQVGSWNWRFMSREYGPVWSTRAPAGALQFRMVVTGGYD GKWWA
EKAVLPAEWKTGSIYELGVQLTDIAQEGCYP CDTREWK*

CDS (coding sequence)

>MacEXLA-03

ATGGGTGGTGGCACTGTCCTTGCCCTTCTTCGTCCTCTCCCTTTCTATCCTTTCTGCT
ACAGCATGTGATCGGTGTGTGCATCATTCCAAGGCAGCCTACTCCCCCTCCGCTTC
TGCCCTCTCTGTCGGAGCCTGTGGCTATGGCTCCATGGCTTTGAGCTTCAATGGAG
GTTACATTGCAGCTGGGAGCTCTGCCCTCCACAGAGAGGGTTTTGGCTGTGGAGC
TTGTTTCCAGGTAAGATGCAAGAACAGAAGACTCTGTAGCACCGGAGGCGTAAG
GGTGATCCTGACCGACCTCAACAAGAGCAACACCACGGATCTTGTGTTGAGTCCC
CGAGCCTTCACCGCCATGGCACGAGATGGCACGGCGCAGGAGCTCAAGAGACTT
GGCATTCTGGATGTGGAATACAAGAGGATCCCGTGCGAGTATAAGAAGCAGAAC
CTATCGATCAGAGTGGAAGAGAGCAGCAGAAGACCCGATCGGCTGGTCATCAAG
TTCCTCTACCAGGGAGGCCAGACCGATATCGTGGCGGTCGACGTAGCCCAGGTCCG
GATCGTGGAATTGGCGGTTTATGAGCCGGGAGTACGGTCCAGTATGGAGCACGA
GGCGGGCGCCGGCCGGGGCGCTGCAGTTCCGGATGGTGGTGACGGGCGGCTACG
ACGGCAAGTGGGTGTGGGCCGAGAAGGCGGTCCTCCCGGCCGAGTGGAAGACCG
GTTCGATCTATGAGTTGGGGGTTTCACTGACTGACATTGCTCAAGAGGGCTGCTA
CCCCTGTGACACTCGAGAATGGAAGTGA

Nucleotide

>MacEXLA-03

ATGGGTGGTGGCACTGTCCTTGCCCTTCTTCGTCCTCTCCCTTTCTATCCTTTCTGCT
ACAGCATGTGATCGGTGTGTGCATCATTCCAAGGCAGCCTACTCCCCCTCCGCTTC
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ATGGTCATCGTTTGATCTCTTTTGTTCGCTAAACTTCGCTTACAGTCGGAGCCTG
TGGCTATGGCTCCATGGCTTTGAGCTTCAATGGAGGTTACATTGCAGCTGGGAGC

TCTGCCCTCCACAGAGAGGGTTTTGGCTGTGGAGCTTGTTTTCCAGGTTAGAGATG
AAACCTATTCTCTTCTGCAATCATAAATGGTTGAGCTTTTTCTTTCACCACGCAGGT
AAGATGCAAGAACAGAAGACTCTGTAGCACCGGAGGCGTAAGGGTGATCCTGAC
CGACCTCAACAAGAGCAACACCACGGATCTTGTGTTGAGTCCCCGAGCCTTCACC
GCCATGGCACGAGATGGCACGGCGCAGGAGCTCAAGAGACTTGGCATTCTGGAT
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ACTGTGTTATGATCAAGCAGTCACATCTCACCACGAAGCAACCCACCGAATCACT
TTTCAGGATCCCGTGCAGTATAAGAAGCAGAACCTATCGATCAGAGTGGAAGA
GAGCAGCAGAAGACCCGATCGGCTGGTCATCAAGTTCCTCTACCAGGGAGGCCA
GACCGATATCGTGGCGGTTCGACGTAGCCCAGGTACCGAGCCAGCATTGATTCGGT
CCGGTTCAATTGGCTCAATCCAATTTTTGTGTTGAACCGGCAGGTTCGGATCGTGG
AATTGGCGGTTTCATGAGCCGGGAGTACGGTCCAGTATGGAGCACGAGGCGGGCG
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TATGAGTTGGGGGTTTCAGCTCACTGACATTGCTCAAGAGGGGCTGCTACCCCTGTG
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