

IDENTIFICATION

Species: *Musa acuminata*

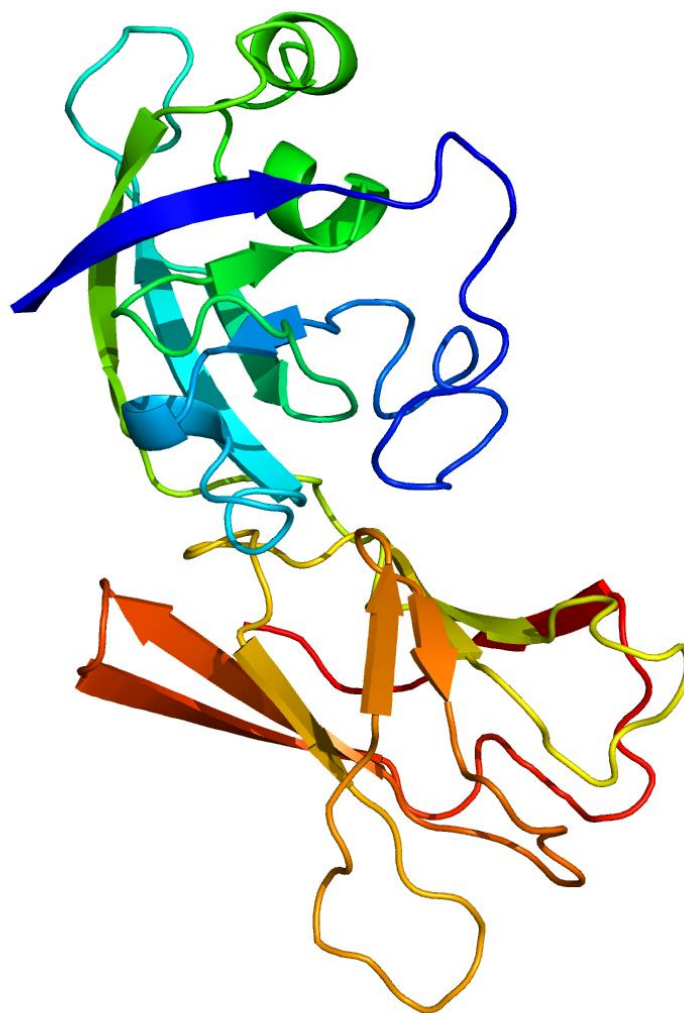
Locus: GSMUA_Achr1P02170_001

Gene Model: GSMUA_Achr1P02170_001

Description: MacEXLA-01

Family: Expansin Like Alpha

3D structure:



GENOME DATABASES

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

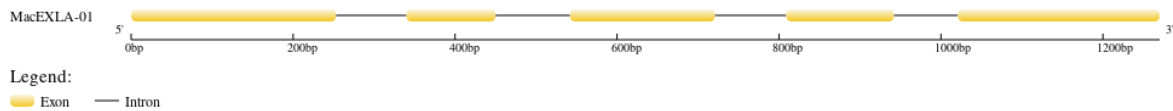
KEGG: <https://www.genome.jp/entry/T03447>

EXTERNAL RESOURCES

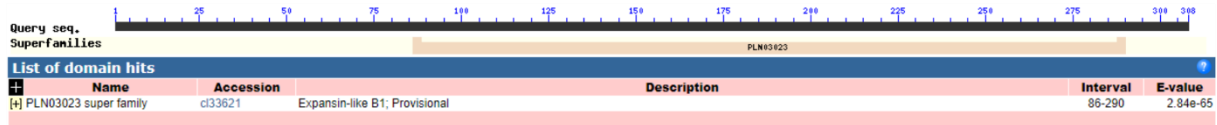
<https://banana-genome-hub.southgreen.fr/>

<https://musabase.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>MacEXLA-01

MWGSTLDFTSNRCISNPVLSSTSPPLYDQLAYTISSTSSPSQDMGGGSVFLFFLVFHLF
SSATACGGCVHQATAAHFTSFSALS VGACGYGSMALGFSGGYVAAASSALYRGGVG
CGACFQVRCKNTKICSSRGVEVIITDLNKSNDTDLVLSRPAYVAMARRGMAKSLKKL
GIVDVEYKRIPCEYSNKNLSIRVEEKSKRPNSLTIKFLHQGGQTDIVAVDVAQVGSSN
WQFMSREYGPVWSTDRAPVGPLQLRMVVTGGYDGKWVWAQKEVLPVHWKIGSVY
DLGVQIADIARDGCSNGHTEGWK*

CDS (coding sequence)

>MacEXLA-01

ATGTGGGGCAGCACCCCTGGATTTTACTTCAAACCGCTGCATCAGCAACCCGGTGC
TTTCTCCACCTCCCCCTCTATATGATCAGCTCGCATAACCATTTCTCCACCT
CCTCTCCAAGCCAAGACATGGGCGGTGGCTCTGTCTTCCTGTTCTTTCTTGTCTTC
CATCTTTTCTCCTCTGCTACGGCCTGTGGCGGGTGCGTGCATCAAGCCACGGCTGC
CCACTTCACCTCCTTCTCCGCTTTATCTGTTGGGGCTTGTGGATATGGCTCCATGG
CTTTGGGCTTCAGCGGAGGCTACGTTGCTGCTGCAAGCTCTGCTCTTACAGAGG
CGGGGTTGGCTGCGGAGCATGTTTCCAGGTGAGATGTAAGAACACGAAGATATG
CAGCAGTCGAGGGGTCGAAGTGATCATTACGGACCTCAACAAGAGCAACGACAC
CGACTTGGTTCTCAGCAGGCCGGCTTATGTCGCCATGGCACGACGTGGGATGGCC
AAATCGCTGAAGAACTTGGCATCGTGGATGTGGAATACAAAAGGATTCCATGT
GAGTACAGCAACAAGAACTTGTCCATTAGGGTGAAGAGAAGAGCAAAAAGGCCA
AACTCTTTGACCATCAAGTTCCTCCACCAGGGGGGTCAGACTGACATCGTGGCGG
TGGATGTGGCGCAGGTCGGGTCGTCGAATTGGCAATTCATGAGCAGGGAGTACG
GACCGGTGTGGAGACCGACCGAGCGCCGGTTCGGCCCGCTGCAGCTGAGAATGG
TGGTGACGGGCGGCTACGATGGGAAGTGGGTTTGGGCTCAGAAAGAGGTCCTGC
CGGTTCACTGGAAGATCGGCTCGGTCTACGACTTAGGGGTTTCAGATCGCTGACAT
TGCTCGAGACGGATGCTCGAACGGCCACACGGAAGGCTGGAAGTGA

Nucleotide

>MacEXLA-01

ATGTGGGGCAGCACCCCTGGATTTTACTTCAAACCGCTGCATCAGCAACCCGGTGC
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TTTGTTTCTCAGCAATAATCTTGAGATCTCTTTGAGGCAGGTGAGATGTAAGAAC
ACGAAGATATGCAGCAGTCGAGGGGTCGAAGTGATCATTACGGACCTCAACAAG
AGCAACGACACCGACTTGGTTCTCAGCAGGCCGGCTTATGTCGCCATGGCACGAC
GTGGGATGGCCAAATCGCTGAAGAACTTGGCATCGTGGATGTGGAATACAAAA
GGTAAAAGTTGGGCACTGTTTCTTTTCGACATCATGTCAGGCAGCAATGTTGTATC
GGA ACTACAGAATGTTCTTGATTCTTGCAAGCAGGATTCCATGTGAGTACAGCAA
CAAGA ACTTGTCCATTAGGGTGGAAGAGAAGAGCAAAAAGGCCAAACTCTTTGAC
CATCAAGTTCCTCCACCAGGGGGGTCAGACTGACATCGTGGCGGTGGATGTGGCG
CAGGTACGGTCACAGCCTGAGATTTGAGCCGGCGGTTTCATACGGGACCGGAGTG
GTATTAATGCCGCGTTTTCTGTTCACAGGTCGGGTCGTCGAATTGGCAATTCATGA
GCAGGGAGTACGGACCGGTGTGGAGCACCGACCGAGCGCCGGTCGGCCCCGCTGC
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