

IDENTIFICATION

Species: *Musa acuminata*

Locus: GSMUA_Achr11P01300_001

Gene Model: GSMUA_Achr11P01300_001

Description: MacEXLA-04

Family: Expansin Like Alpha

3D structure:



GENOME DATABASES

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

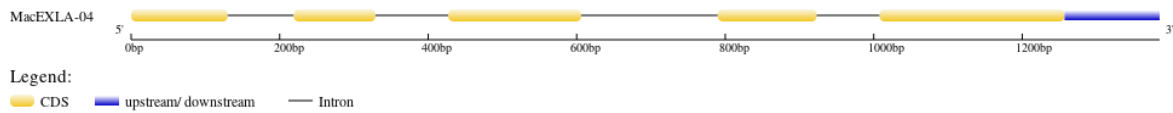
KEGG: <https://www.genome.jp/entry/T03447>

EXTERNAL RESOURCES

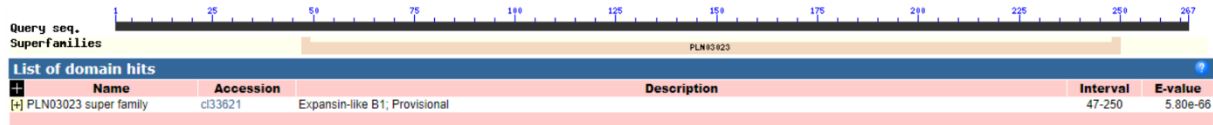
<https://banana-genome-hub.southgreen.fr/>

<https://musabase.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>MacEXLA-04

MGGGSSDAFFAFLVFLAMSSAAACDRCVHQSKAAYFSSSSALSAGACGYGSMALGF
DGGYVAAGSSAIHRGGVGCACFQIRCKNTSLCSTGGVKVILTDLNKSNTTDFVLSG
PAFAAMARNGKAQELKKLGILDVEYKRIPCEYKNHNLSIRVEENSKSPNYLAIKFMY
QGGQTDIVAVDVAQVGSTNWRFMSTRDYGPVWSTSRAPAGPLQLRVVVTGGYDGK
WVWAPKPVLPAEWRTGSIYDMGVQITDVAQEGCFPCDPQDWN*

CDS (coding sequence)

>MacEXLA-04

ATGGGTGGTGGCAGTAGTGACGCTTTCTTCGCATTCCTTGTCTTCCTCGCAATGTC
TTCAGCTGCGGCTTGTGATAGGTGTGTGCATCAGTCCAAGGCAGCCTATTTCTCCT
CGTCTTCTGCTCTCTCTGCCGGAGCTTGTGGATATGGCTCCATGGCTCTGGGCTTC
GATGGAGGCTATGTTCGACGCTGGGAGCTCCGCCATTCACAGAGGGGGTGTGGCT
GTGGAGCATGCTTCCAGATCAGATGCAAGAACACATCACTCTGCAGCACCGGAG
GAGTGAAGGTGATCCTGACAGACCTCAACAAGAGCAACACCACCGATTTCGTGCT
CAGCGGCCCTGCTTTCGCGGCCATGGCACGAAATGGCAAGGCCCAAGAGCTCAA
GAACTTGGCATCTTGGATGTGGAGTACAAGAGGATTCCCTGTGAGTACAAGAAC
CACAACCTATCAATCAGGGTGAAGAGAACAGCAAAAGTCCCAACTATTTGGCC
ATCAAGTTCATGTACCAGGGCGGTCAGACTGACATAGTGGCAGTGGATGTTCGCTC
AGGTCGGGTCAACGAACTGGCGGTTTCATGAGCCGGGACTACGGTCCGGTCTGGA
GCACGAGCCGGGCGCCGGCCGACCGCTGCAGCTCCGGGTTGTGGTGACGGGCG
GCTACGACGGCAAGTGGGTGTGGGCGCCGAAGCCGGTCCTGCCGGCCGAGTGGA
GAACCGGGTTCGATCTACGACATGGGTGTTCAGATCACCGACGTCGCCAGGAAG
GCTGCTTCCCTTGTGATCCACAAGACTGGAAGTGA

Nucleotide

>MacEXLA-04

ATGGGTGGTGGCAGTAGTGACGCTTTCTTCGCATTCCTTGTCTTCCTCGCAATGTC
TTCAGCTGCGGCTTGTGATAGGTGTGTGCATCAGTCCAAGGCAGCCTATTTCTCCT
CGTCTTCTGCTCTCTCTGGTATGTATGCTGGCACCATTGAGGAACTACTGCTTCGG
AAATAGAGGCGTGGCTTAAATTCGATTGGTTTTGCCTGTGATCTCCTGCAGCCGG
AGCTTGTGGATATGGCTCCATGGCTCTGGGCTTCGATGGAGGCTATGTTCGACGCT

GGGAGCTCCGCCATTCACAGAGGGGGTGTGGCTGTGGAGCATGCTTCCAGGTCA
GAGATGAAGATCATCTGAACATTGATGTGGATCCAATTACTTCGGTTTTGGAGGT
AATCATGTATGACTAAGCTTTCTTTTCTTCACCACACAGATCAGATGCAAGAACA
CATCACTCTGCAGCACCGGAGGAGTGAAGGTGATCCTGACAGACCTCAACAAGA
GCAACACCACCGATTCGTGCTCAGCGGCCCTGCTTTCGCGGCCATGGCACGAAA
TGGCAAGGCCCAAGAGCTCAAGAACTTGGCATCTTGGATGTGGAGTACAAGAG
GTAAGGATCCTTCCCTCCTCATCTGCATTGACAGCTGCCTAAAACCTCTGTAGA
CCCCATTCCCAGGAAAGTTAGGTCCATCCTGCTTCCTCTCTCAATCTCAACAATGG
AATTTGCACCCAAATGAGTCATCTCAGCTGTGTACTGTGCGATGCGCGTGCTTACT
TCTCCATGTTTAAGCAGGATTCCCTGTGAGTACAAGAACCACAACCTATCAATCA
GGGTGGAAGAGAACAGCAAAAGTCCCAACTATTTGGCCATCAAGTTCATGTACC
AGGGCGGTCAGACTGACATAGTGGCAGTGGATGTCGCTCAGGTAATGCTGGTTTC
CGACACCATTAGACTGCGTGTGGTGGTGGTGGCGGTGGTGGTGCAGATGCTCTCT
CTTTGAACCGGCGCAGGTCGGGTCAACGAAGTGGCGGTTTCATGAGCCGGGACTAC
GGTCCGGTCTGGAGCACGAGCCGGGCGCCGGCCGGACCGCTGCAGCTCCGGGTT
GTGGTGACGGGCGGCTACGACGGCAAGTGGGTGTGGGCGCCGAAGCCGGTCTG
CCGGCCGAGTGGAGAACCGGGTCGATCTACGACATGGGTGTTTCAGATCACCGAC
GTCGCCAGGAAGGCTGCTTCCCTTGTGATCCACAAGACTGGAAGTACTACTAGA
ATCCCGTCCCTTTCTTCTTCTTCATCTTCTTCTTGATTCAGGGATACTAACCTAAAG
GAGATTGCAATGCTTGTTTCCTTATACACGTTTCATGTGTTTTTTGCGAAGATAAAA
ACAAGGTG