IDENTIFICATION

Species: *Musa acuminata*

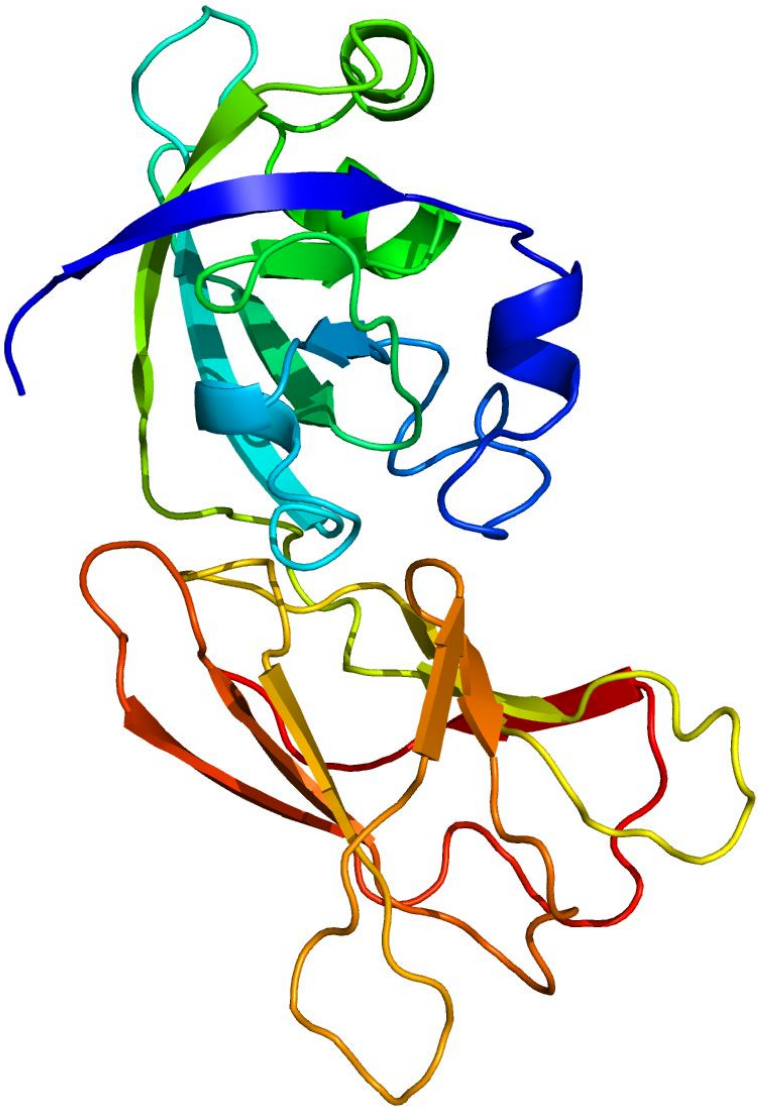
Locus: GSMUA_Achr11P22460_001

Gene Model: GSMUA_Achr11P22460_001

Description: MacEXLA-05

Family: Expansin Like Alpha

3D structure:



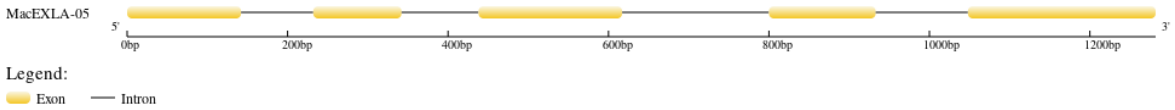
GENOME DATABASES

Phytozome: https://phytozome-next.jgi.doe.gov/info/Macuminata_v1
KEGG: https://www.genome.jp/entry/T03447

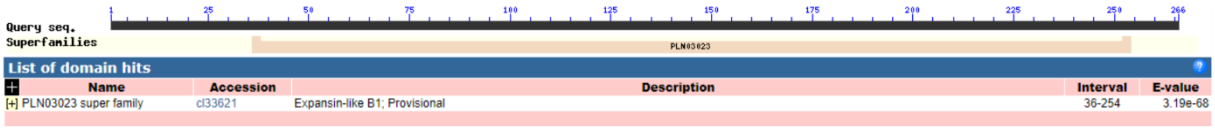
EXTERNAL RESOURCES

https://banana-genome-hub.southgreen.fr/
https://musabase.org/

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>MacEXLA-05

MLHLAPHMGGDTVFTFFLLFLFISYATARDRCVHQSKAAYSSSSGLSVGACGYGSMA
LGFNGGYTAAGSSTLHRGGVGCGACFQIRCKNTSVCGTEGVSVILTDLNKSNHTDFV
LGDPAFMAMARNGKEQELKKLGILDVEYKRIPCEYKNRNLSVRVEESSRSPSHLAIKF
LYQGGQTDMVAVDVAQVGSPNWRFMRRDYGPVWSISRAPVGPLQLRMVVTGGYG
GRWVWAQKAVLPAEWTTGSVYDLGVQITDIAREGCRIEE*

CDS (coding sequence)

>MacEXLA-05

ATGCTCCATCTTGCTCCACACATGGGTGGTGACACTGTCTTCACGTTTTTTCTCCT
CTTCCTGTTTATCTCTTATGCTACTGCTCGTGATAGGTGTGTGCATCAGTCCAAGG
CGGCCTACTCCTCCTCTTCCGGCCTCTCTGTTGGAGCTTGTGGGTATGGCTCCATG
GCTTTGGGCTTCAATGGAGGTTATACCGCAGCTGGGAGCTCTACGCTTCACAGAG
GGGGCGTTGGTTGTGGAGCATGCTTCCAGATAAGATGCAAGAACACAAGTGTTTG
CGGCACAGAAGGGGTAAGCGTGATCCTGACGGACCTTAACAAGAGCAACCACAC
TGATTTCGTGCTCGGTGACCCTGCTTTCATGGCCATGGCACGAAATGGCAAGGAG
CAAGAGCTCAAGAAACTTGGCATTCTGGATGTGGAATACAAGAGGATCCCTTGCG
AATATAAGAACCGGAACCTATCTGTCAGAGTGGAAGAGAGTAGCAGAAGCCCCA
GTCACCTGGCCATCAAGTTCCTGTACCAGGGAGGTCAGACTGACATGGTAGCAGT
TGATGTAGCTCAGGTCGGGTCACCGAATTGGCGGTTCATGCGCCGGGATTATGGG
CCAGTCTGGAGCATCAGCCGGGCGCCGGTTGGGCCACTGCAATTGCGGATGGTGG
TGACCGGCGGCTACGGCGGCAGGTGGGTGTGGGCTCAGAAGGCGGTCCTGCCGG
CGGAGTGGACAACCGGTTCAGTCTACGACTTGGGTGTTCAGATCACTGACATTGC
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Nucleotide

>MacEXLA-05

ATGCTCCATCTTGCTCCACACATGGGTGGTGACACTGTCTTCACGTTTTTTCTCCT
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CGGCCTACTCCTCCTCTTCCGGCCTCTCTGGTATGTTCTGTCATTAACAGAGTCTC
TGCTTCCGTAAACTGAAGAATGGTTTACATTTGATTGAATTCTTCTGTGATCCCAT
ATATGTAGTTGGAGCTTGTGGGTATGGCTCCATGGCTTTGGGCTTCAATGGAGGT

TATACCGCAGCTGGGAGCTCTACGCTTCACAGAGGGGGCGTTGGTTGTGGAGCAT
GCTTCCAGGTTAGAGACGAAGATCTGGATCAATACCACTCACTGATGTGGATTTA
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GCAAGAACACAAGTGTTTGCGGCACAGAAGGGGTAAGCGTGATCCTGACGGACC
TTAACAAGAGCAACCACACTGATTTCGTGCTCGGTGACCCTGCTTTCATGGCCAT
GGCACGAAATGGCAAGGAGCAAGAGCTCAAGAAACTTGGCATTCTGGATGTGGA
ATACAAGAGGTACAAGAAAACAATCTGGACCTACCTTTCTTCCCTCTTGTTGCCC
AATGACAGCTTTCTAAACAGATCATTCCCCGCCCTGCCATAAATTCTAGCAACTG
CACACAGAGAGTCATGGGCAAGTTGTCATCTTCACATCTCACCATGTAGTAACCC
ACTGCATCACTTTTCATGATCGAGCAGGATCCCTTGCGAATATAAGAACCGGAAC
CTATCTGTCAGAGTGGAAGAGAGTAGCAGAAGCCCCAGTCACCTGGCCATCAAG
TTCCTGTACCAGGGAGGTCAGACTGACATGGTAGCAGTTGATGTAGCTCAGGTAC
TGAACCACAACAGATTCGGCTTCTCTTCGTTGCAATTCATGATTGTTCACGTACAA
TCATATTGACAGAAGTCTCGTATTTACTATTGCGATGCATTGTTCTAAACGGCAGG
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CGCATCGAAGAATAG