

IDENTIFICATION

Species: *Musa acuminata*

Locus: GSMUA_Achr5P12710_001

Gene Model: GSMUA_Achr5P12710_001

Description: MacEXLB-01

Family: Expansin Like Beta

3D structure:



GENOME DATABASES

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

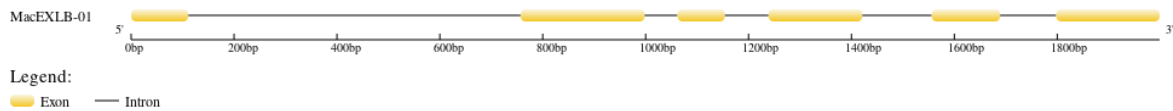
KEGG: <https://www.genome.jp/entry/T03447>

EXTERNAL RESOURCES

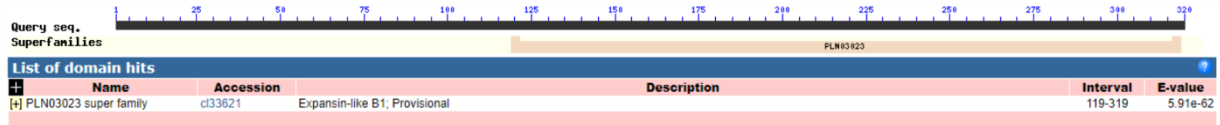
<https://banana-genome-hub.southgreen.fr/>

<https://musabase.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>MacEXLB-01

MLILICLASQHRSDTETGGVFPGMTFKMCFLLPAPSLQLNLHSLTIVLNNLFPYLLPL
LLQWLCPLNCSSSYLYFSNIPPEQRHAAIASPNPGQLTTQILIKQEQRGRSKHLHETS
GSFGATLNDGDVLAASSLYRNGVGCACGYQVRCCTDAKYCSNDGVMIIITDAGVSGNI
EFILSQHAFARMGQNADLGASLLSLGAVGIEYRRVSCSYPSKNITFKIDQSSNHPYSYFA
FQIWDQQGNKDVTAVQLCETENLTCKLLERSHGAVRAVVSPPSGPLSVRILQSGGDD
RDETWVPPNNIPQNWTS GAIYDSGIQV*

CDS (coding sequence)

>MacEXLB-01

ATGCTTATTCTTATATGCTTAGCATCACAAACACAGGTCACAAGATACAGAAACAG
GTGGCGTGTTCCCTGGTATGACCTTTAAGATGTGCTTCCTCCTTCCTGCCCCATCT
CTTCAGCTTAACCTTCACTCCCTAACCATTGTACTTAACAACCTGTTTCCTTACTTG
CTGCCTCTCCTCTTGCTTCAATGGCTCTGCCACTCAACTGCTCTTCTTCTTACCTC
TACTTCTCCAACATCCCACCAGAGCAGAGACATGCAGCGATTGCTTCACCCAATC
CAGGGCAGCTTACTACCCAAATTCTGATAAAACAGGAACAGAGAGGAAGATCCA
AACACCTGCATGAAACATCTGGTTCATTTGGAGCAACACTGAATGATGGGGATGT
CTTAGCATCATCAAGTCTTTACAGGAATGGTGTGGGTTGTGGAGCATGCTATCAG
GTGAGATGTACTGATGCCAAGTACTGCTCCAACGATGGTGTGCATGATCATAATCA
CAGACGCAGGAGTAAGCGGCAATATCGAGTTCATTCTCAGTCAGCATGCCTTTC
AAGGATGGGCCAGAATGCTGATTTAGGTGCATCCCTTCTATCTCTTGGTGC GGTC
GGCATTGAGTACCGGAGGGTGTCTTGCAGCTATCCAAGCAAGAACATCACCTTCA
AGATTGATCAGAGCAGCAACCATCCATCCTACTTTGCCTTCCAAATCTGGGATCA
GCAAGGAAACAAGGATGTA ACTGCTGTT CAGTTGTGTGAGACAGAGAACTTGAC
ATGCAAGCTGTTGGAAAGGAGCCATGGAGCAGTGC GGGCAGTAGTATCTCCACC
AAGTGGGCTCTCTCTGTAAGGATTTTACAAAGTGGAGGTGATGATAGAGATGAG
ACATGGGTTGTGCCTCCCAACAACATAACCACAGA ACTGGACTTCAGGGGCTATAT
ATGATTCTGGAATACAAGTGTAG

Nucleotide

>MacEXLB-01

ATGCTTATTCTTATATGCTTAGCATCACAACACAGGTCACAAGATACAGAAACAG
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CTAAGCCTTTCTCCACCACTTTCTTCTTACACCAGGGACTGAGTTCTTTCTGCTGA
GTCATATGTATAATGATGATATTTTGTATGTAATCAAGGACAACAACAATATA
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CTGTAAACTATAGCAGATAAAGCAGATCCCTGGCATTCTAGACAAATTGTTCTT
GAAGTCCAAAAGCAAATAATTCCACTGTTCCAAGTAGACCACTACATGCAAGTG
TCAATCATGGCATCCCATTTCTCAATCCTAGAAGAATGTCAAAACCTAAAGCTTTT
CCAGTTCAAATAAATCTGCACTATTTTCTCTATAAAAGCTTCAGCTTAACTTCAC
TCCCTAACCATTGTACTIONAACAACCTGTTTCTTACTTGCTGCCTCTCCTCTTGCTT
CAATGGCTCTGCCCACTCAACTGCTCTTCTTCTTACCTCTACTTCTCCAACATCCC
ACCAGAGCAGAGACATGCAGCGATTGCTTCACCCAATCCAGGGCAGCTTACTACC
CAAATTCTGATAAAACAGGAACAGAGAGGAAGATCCAAACACCTGCATGAAACA
TGTTTTCTGTGCGGTGTGTCATTAATTCTTTTGCTCAGATAATCTCAACTTCTCATCT
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