IDENTIFICATION

Species: *Musa acuminata*

Locus: GSMUA_Achr7P15100_001

Gene Model: GSMUA_Achr7P15100_001

Description: MacEXPA-24

Family: Alpha Expansin

3D structure:

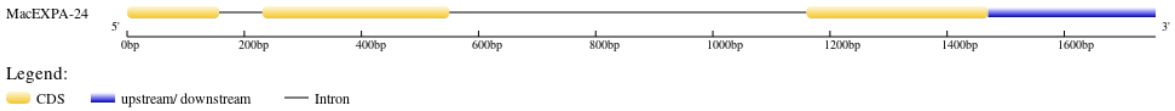
GENOME DATABASES

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

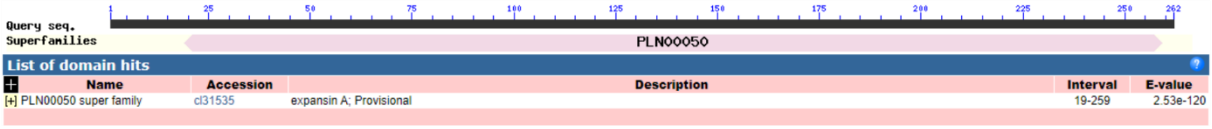
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>MacEXPA-24

MAFRHALAVTVALVLASSALLADARIPGVYTGGPWQTAHATFYGGSDASGTMGGA
CGYGNLYSQGYGVETAALSTALYNDGLRCGACFEIKCADDPRWCKGGNPSIFITATN
FCPPNYALPSDNGGWCNPPRPHFDLAMPMFLKIAEYRAGIVPVSFRRVPCRKSGGIRF
TINGFQYFNLVLITNVAGAGDIVRASVKGTRSGWIAMSRNWGQNWQSNAVLVGQSL
SFRVTGSDHRTSTSWNIAPASWQFGQTFSGKNFRV*

CDS (coding sequence)

>MacEXPA-24

ATGGCATTCCGCCACGCCCTGGCCGTAACAGTCGCCCTCGTCCTCGCTTCCTCCGC
GCTGCTGGCCGACGCCCGCATCCCCGGCGTCTACACCGGCGGCCCCTGGCAGACC
GCCCACGCCACCTTCTACGGCGGCAGCGACGCCTCCGGAACCATGGGAGGGGCG
TGTGGGTATGGGAACCTCTACAGCCAGGGGTACGGCGTCGAGACGGCGGCGCTG
AGCACTGCGCTGTACAACGACGGGCTGAGATGCGGGGCCTGCTTCGAGATCAAG
TGCGCGGACGACCCCCGGTGGTGCAAAGGCGGCAACCCCTCCATCTTCATCACCG
CCACCAACTTCTGCCCCCCCAACTACGCCCTCCCCTCCGACAACGGCGGCTGGTG
CAACCCGCCCCGCCCCCACTTCGACCTCGCCATGCCCATGTTCCTCAAGATCGCC
GAGTACCGCGCCGGCATCGTCCCCGTCTCCTTCCGCAGGGTGCCGTGCAGGAAGT
CGGGCGGGATACGGTTCACCATCAACGGGTTCCAGTACTTCAACCTGGTGCTCAT
CACCAACGTGGCGGGCGCCGGCGACATCGTCCGCGCCAGCGTCAAGGGCACCCG
CTCCGGCTGGATCGCCATGTCCCGCAACTGGGGCCAGAACTGGCAGTCCAACGCC
GTCCTCGTCGGCCAGTCCCTCTCCTTCCGCGTCACCGGCAGCGACCACCGCACCTC
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AAGAACTTCCGCGTCTGA

Nucleotide

>MacEXPA-24

ATGGCATTCCGCCACGCCCTGGCCGTAACAGTCGCCCTCGTCCTCGCTTCCTCCGC
GCTGCTGGCCGACGCCCGCATCCCCGGCGTCTACACCGGCGGCCCCTGGCAGACC
GCCCACGCCACCTTCTACGGCGGCAGCGACGCCTCCGGAACCATGGGTACGCCCC
TTCTCGCCTCCCTCCCCTCGCCACCCACCTCCATTTTGCCTGTTTGACTCCGTCGCT
GGTTGCAGGAGGGGCGTGTGGGTATGGGAACCTCTACAGCCAGGGGTACGGCGT

CGAGACGGCGGCGCTGAGCACTGCGCTGTACAACGACGGGCTGAGATGCGGGGC
CTGCTTCGAGATCAAGTGCGCGGACGACCCCCGGTGGTGCAAAGGCGGCAACCC
CTCCATCTTCATCACCGCCACCAACTTCTGCCCCCCCAACTACGCCCTCCCCTCCG
ACAACGGCGGCTGGTGCAACCCGCCCCGCCCCCACTTCGACCTCGCCATGCCCAT
GTTCCTCAAGATCGCCGAGTACCGCGCCGGCATCGTCCCCGTCTCCTTCCGCAGG
TACCTACGCCTCTTCCTCTCCCATCGTAGATCCCAACAATCACATCACCCCCTTTC
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TGTCATTCTCAGGGAGGACACGACCCGCTCCCGCATTGCCTCATTCGTACCACAC
TTAGCTTCCTTAATTAAGCCATCGAGTGTTGTTTACCCAGTTTTGGCATGTAATTA
AATCGACAACAAAGTTGCGATTGGATCACAATATAAACCAATAAGCATCATTAG
AAAGACTAGAAAGATGTTGAAAGGCGCATTTAATGGTCCCTCGTTGGTGACCACA
TACATGACATGTTCTCCAGCCACCCAATCCCCTCCTCTCTCCCGCCCGTGACTCCT
TGTCCCACCATCCGTGTCTCTCACACGCATTTTAACAAGCAAGACGCGTCCCCAA
ACCGCGTGAGCATGGGAGACCGTGCAGTCGACAGCGGCACGTGCCCCCCTGGCC
ACCCTTCACAGACCGTTCGGTTCGACGCCGTCTTCCGCCCTCCTCCACTACGATCG
GACGCAATGCTCCAAGTGCTCGACGCATTGATCTGACGATGGAACTTGTGGCGCA
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