IDENTIFICATION

Species: *Musa acuminata*

Locus: GSMUA_Achr1P19730_001

Gene Model: GSMUA_Achr1P19730_001

Description: MacEXPA-04

Family: Alpha Expansin

3D structure:

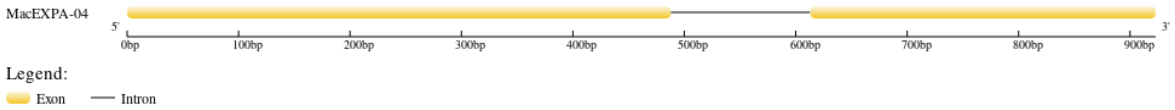
GENOME DATABASES

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

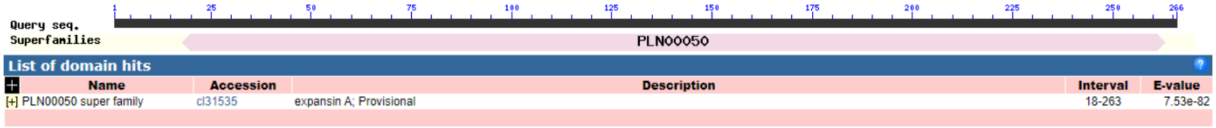
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>MacEXPA-04

MDSVRFTSLLLFVFFFRYSTVVAAAGISSTRNGDQEWRSATATYTRGTATATGAGQA
GACGFGELSESGYGFNSVGVSSALFERGSACGGCFELRCVDHILWCLNGSPSLVVTA
TDFCAPNYGLPGDYGGWCNYPREHFEMSESAFLHIAKTTADVIPVQYRRVECHRKG
GMRFTMTGKSYFYQVLITNVGSDGEVAAVKVKGSRTGWIPMGRNWGQNWQCDAD
LRGQPLSFEVTSGRGRATTSYNVAPWNWQFGQTFEGKQFLP*

CDS (coding sequence)

>MacEXPA-04

ATGGATTCCGTTCGCTTCACCAGTCTCCTCCTCTTCGTCTTCTTCTTCCGCTATTCG
ACGGTGGTGGCTGCAGCAGGCATCAGCAGCACTAGAAACGGCGACCAGGAGTGG
CGGTCCGCTACAGCCACCTACACCAGAGGAACAGCCACCGCCACCGGTGCGGGG
CAAGCGGGTGCCTGTGGCTTCGGAGAGCTCAGCGAGTCGGGCTACGGGTTTAACA
GCGTCGGGGTGAGCAGCGCGCTGTTCGAGAGAGGCAGCGCCTGCGGCGGTTGCT
TCGAGCTGCGGTGCGTCGACCACATCCTTTGGTGCCTCAACGGGAGCCCCTCCTT
GGTGGTCACCGCCACCGACTTCTGCGCCCCCAACTACGGCCTCCCCGGCGACTAC
GGCGGGTGGTGCAATTACCCGAGAGAGCACTTCGAGATGTCGGAGTCCGCCTTCC
TACACATCGCAAAGACCACGGCCGACGTCATTCCCGTTCAATACCGAAGGGTGGA
GTGCCACAGAAAGGGAGGGATGAGGTTCACCATGACAGGGAAGTCCTACTTCTA
CCAGGTGCTCATCACGAACGTGGGCTCCGACGGCGAGGTCGCAGCGGTGAAGGT
GAAAGGGTCGAGGACGGGGTGGATACCGATGGGAAGAAACTGGGGGCAGAACT
GGCAGTGCGACGCCGACCTGCGCGGCCAGCCGCTGTCGTTCGAGGTGACCAGCG
GCCGCGGGAGGGCGACCACCTCCTACAACGTGGCCCCCTGGAACTGGCAATTCG
GGCAGACATTTGAAGGGAAGCAGTTCCTGCCATAG

Nucleotide

>MacEXPA-04

ATGGATTCCGTTCGCTTCACCAGTCTCCTCCTCTTCGTCTTCTTCTTCCGCTATTCG
ACGGTGGTGGCTGCAGCAGGCATCAGCAGCACTAGAAACGGCGACCAGGAGTGG
CGGTCCGCTACAGCCACCTACACCAGAGGAACAGCCACCGCCACCGGTGCGGGG
CAAGCGGGTGCCTGTGGCTTCGGAGAGCTCAGCGAGTCGGGCTACGGGTTTAACA
GCGTCGGGGTGAGCAGCGCGCTGTTCGAGAGAGGCAGCGCCTGCGGCGGTTGCT

TCGAGCTGCGGTGCGTCGACCACATCCTTTGGTGCCTCAACGGGAGCCCCTCCTT
GGTGGTCACCGCCACCGACTTCTGCGCCCCCAACTACGGCCTCCCCGGCGACTAC
GGCGGGTGGTGCAATTACCCGAGAGAGCACTTCGAGATGTCGGAGTCCGCCTTCC
TACACATCGCAAAGACCACGGCCGACGTCATTCCCGTTCAATACCGAAGGTACTA
ACACCGCTCTCCTAATTGCTTCTGTCGCCATTGCTCCGATTCATCTTCATTTCACTG
TCATGGACTGTAGTCGATGATGACAGACAAGATGCCCGGTCGATTCCGTGACCTT
TGTGCAGGGTGGAGTGCCACAGAAAGGGAGGGATGAGGTTCACCATGACAGGGA
AGTCCTACTTCTACCAGGTGCTCATCACGAACGTGGGCTCCGACGGCGAGGTCGC
AGCGGTGAAGGTGAAAGGGTCGAGGACGGGGTGGATACCGATGGGAAGAAACT
GGGGGCAGAACTGGCAGTGCGACGCCGACCTGCGCGGCCAGCCGCTGTCGTTCG
AGGTGACCAGCGGCCGCGGGAGGGCGACCACCTCCTACAACGTGGCCCCCTGGA
ACTGGCAATTCGGGCAGACATTTGAAGGGAAGCAGTTCCTGCCATAG