

IDENTIFICATION

Species: *Carica papaya*

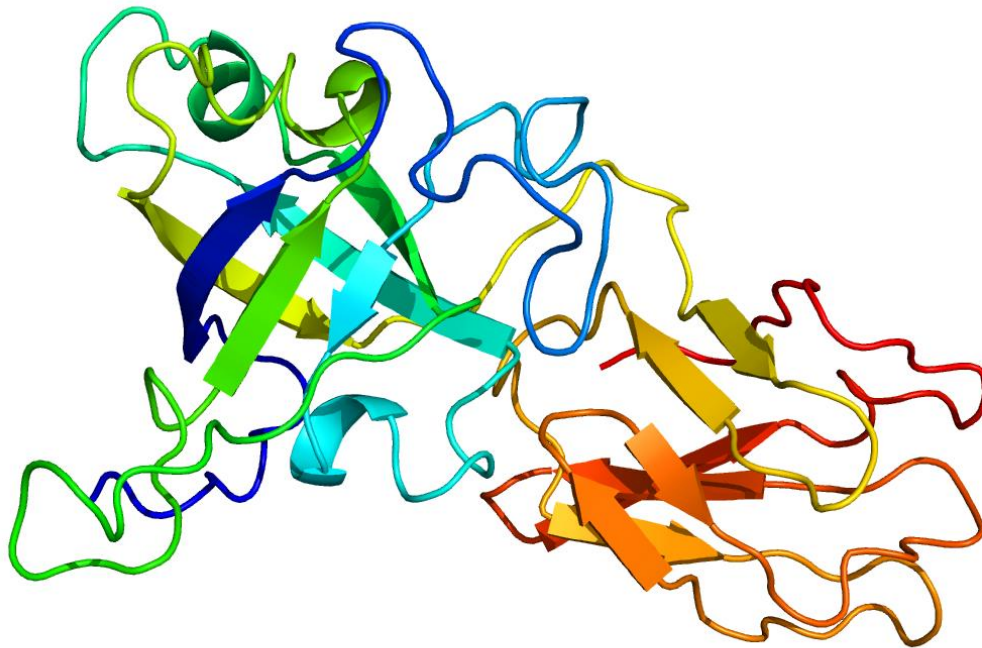
Locus: evm.model.supercontig_81.134

Gene Model: evm.model.supercontig_81.134

Description: CpEXPA-12

Family: Alpha Expansin

3D structure:



GENOME DATABASES

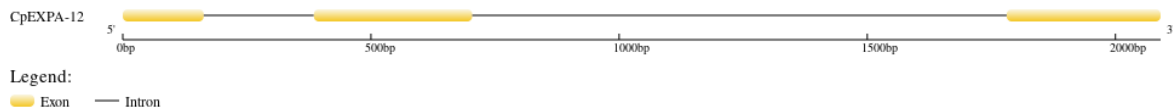
Phytozome: https://phytozome-next.jgi.doe.gov/info/Cpapaya_ASGPBv0_4

KEGG: <https://www.genome.jp/entry/T05151>

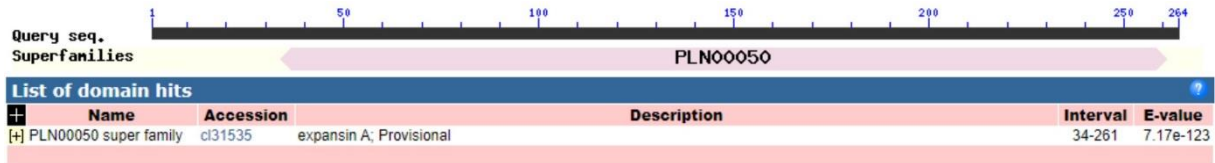
EXTERNAL RESOURCES

<http://asgpb.mhpc.hawaii.edu/papaya/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>CpEXPA-12

MRREMAMAGTFWMVALLGALMWVAEARIPGVYQGGSWQTAHATFYGGADASGT
MGGACGYGNLYSQGYGVNTAALSTALFNNGLSGACFEIKCANDPKWCHSGSPSIF
VTATNFCPPNYALPNDNGGWCNPPRSHFDLAMPFLKIAEYRAGIVPVA YRRVPCR
KMGGIRFTINGFRYFNLVLITNVAGAGDIVRASVKGSKTGW MPLSRNWGQNWQSN
A VLVGQPLSFRVTGSDRRTSTSWNIAPAHWQFGQTF TGKNFRV*

CDS (coding sequence)

>CpEXPA-12

ATGCGAAGAGAAATGGCAATGGCGGGTACATTCTGGATGGTAGCTTTACTTGGAG
CGTTAATGTGGGTTGCTGAAGCGAGAATCCCGGGGTCTACCAAGGGGGTTCGTG
GCAAACCTGCTCATGCTACTTTCTATGGTGGTGCAGATGCTTCGGGCACCATGGGC
GGGGCTTGC GGGTATGGGAATCTTTACAGCCAAGGGTATGGCGTGAACACGGCG
GCGCTGAGCACGGCGCTGTTCAACAATGGCCTTAGCTGTGGGGCTTGCTTTGAGA
TCAAGTGTGCGAATGACCCGAAATGGTGCCATTCCGGTAGCCCGTCAATCTTCGT
GACTGCAACAAATTTCTGCCCCGCAAATTACGCTCTTCCTAACGACAATGGTGGGA
TGGTGCAATCCTCCGCTTCTCACTTCGACTTGGCCATGCCCATGTTCTCAAGAT
TGCCGAGTACCGTGCCGGAATTGTCCCCGTCGCTACCGCCGGGTGCCATGCAGG
AAGATGGGTGGGATCAGGTTACGATCAACGGCTTCAGATACTTTAACCTGGTGC
TGATACCAACGTGGCGGGTGCAGGGGATATCGTGAGGGGCGAGCGTGAAAGGTT
CAAAGACCGGTTGGATGCCGCTGAGCCGGA ACTGGGGTCAA AACTGGCAGTCAA
ACGCCGTTCTGGTCGGTCAGCCGCTCTCGTTCAGGGTCACAGGCAGTGACAGACG
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Nucleotide

>CpEXPA-12

ATGCGAAGAGAAATGGCAATGGCGGGTACATTCTGGATGGTAGCTTTACTTGGAG
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GTCTACGTTTTCTAATCTCTGGTTTTGCTCTGTTTCTGGGTTTGCATACGGGGTTGG
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TGGTCAAACATTCACTGGCAAGAACTTCAGGGTTTGA