

## IDENTIFICATION

**Species:** *Carica papaya*

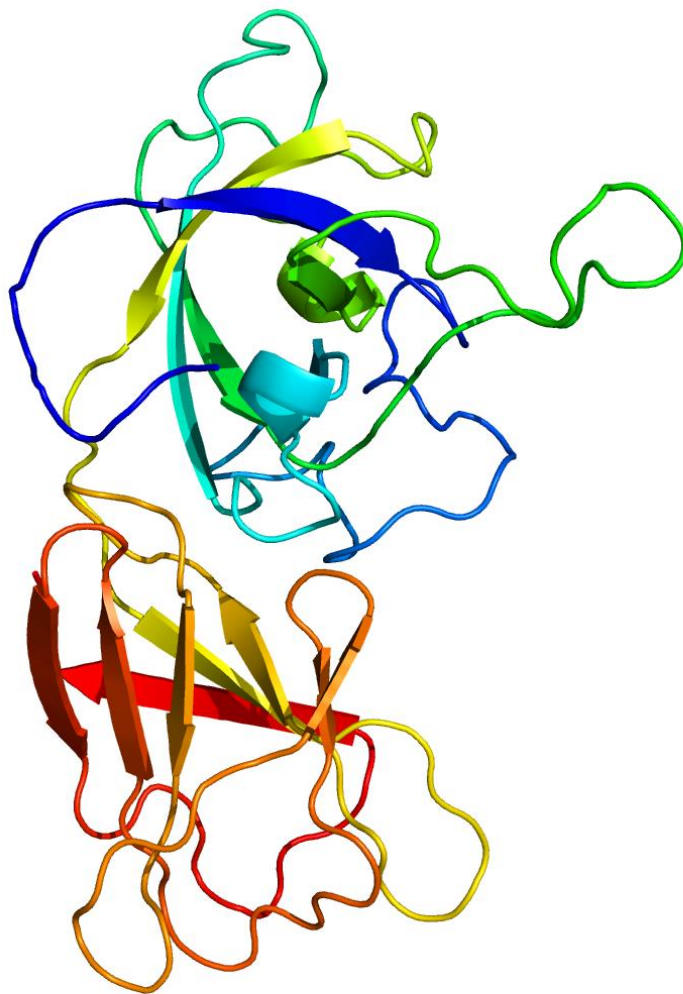
**Locus:** evm.model.supercontig\_260.6

**Gene Model:** evm.model.supercontig\_260.6

**Description:** CpEXPA-16

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

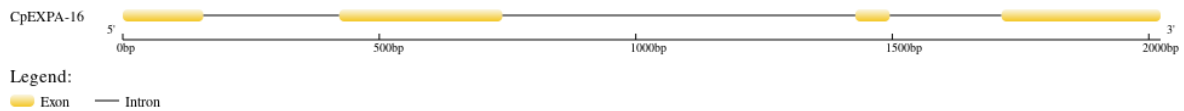
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Cpapaya\\_ASGPBv0\\_4](https://phytozome-next.jgi.doe.gov/info/Cpapaya_ASGPBv0_4)

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

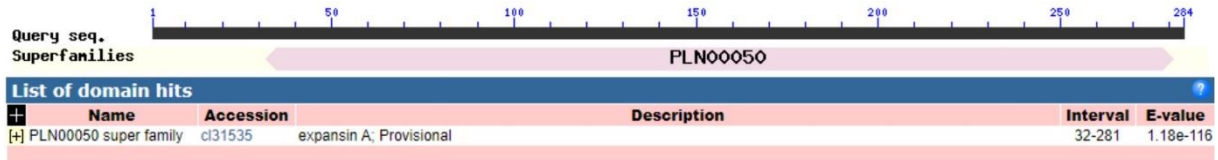
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>CpEXPA-16

MAASVRSICLAFVLMVTLFSMANARIPGVYSGGPWQTAHATFYGGNDASGTMGGA  
CGYGNLYSQGYGVNTAALSTALFNDGLSCGSCFEIKCANDPRWCHPGGPSIFITATNF  
CPPNYALPSDNGGWCNPPRPHFDLAMPMLFKIAEYRAGIVPVSYRKYPYDLLSSSY  
NPKDITPIQTRVPCRKQGGIRFTINGFRYFNLVLITNVAGAGDIMKVSVKGTKTGWLS  
MSRNWQNWQSNVAVLVGQALSFRVTASDRSSSSSRNVAPANWQFGQTFTGKNFRV  
\*

### CDS (coding sequence)

>CpEXPA-16

ATGGCTGCCTCTGTGAGATCGATATGCTTAGCTTTTGTTTTAATGGTTACGCTTTTT  
TCTATGGCGAATGCGAGAATTCCAGGAGTTTACAGTGGTGGACCTTGGCAAACCTG  
CTCATGCTACCTTCTATGGTGGCAATGACGCATCTGGAACCATGGGTGGCGCGTG  
TGGTTACGGGAATTTGTACAGCCAGGGCTATGGCGTGAACACAGCGGCACTCAGT  
ACCGCTCTGTTTAACGACGACTGAGTTGTGGTTCATGCTTCGAGATAAAGTGTG  
CGAATGATCCAAGATGGTGTCCATCCCGGTGGCCCTTCCATCTTCATTACTGCTACG  
AATTTCTGTCTCCAACTATGCTCTGCCAAGCGACAATGGCGGTTGGTGTAAACC  
CTCCCCGTCCTCACTTCGATCTCGCCATGCCTATGTTCCCTCAAGATCGCTGAATAC  
CGCGCCGGAATTGTCCCCGTCAGCTACCGTAAATACCCATACCCTGATCTCCTCTC  
ATCCTCATAACAATCCAAGGACATCACTCCAATCCAAACAAGGGTCCCATGCAGG  
AAGCAAGGGGGAATCAGATTCACAATCAACGGCTTCCGTTACTTCAACCTGGTTT  
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CCAAGACCGGATGGCTAAGCATGAGTCGTAACCTGGGGTCAAACTGGCAGTCAA  
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AAGCTCATCCTCGCGCAACGTGGCACCAGCTAATTGGCAGTTCGGTCAAACCTTC  
ACCGGAAAGAATTTCCGTGTCTAG

### Nucleotide

>CpEXPA-16

ATGGCTGCCTCTGTGAGATCGATATGCTTAGCTTTTGTTTTAATGGTTACGCTTTTT  
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ACTATGCTCTGCCAAGCGACAATGGCGGTTGGTGTAACCTCCCCGTCTCACTTC  
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CCGTCAGTACCGTAGTGAGTTGATTGATTCTTTTCTCACTGATTTTATCTTGTTCT  
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AGCTCATCCTCGCGCAACGTGGCACCAGCTAATTGGCAGTTCGGTCAAACCTTCA  
CCGGAAAGAATTTCCGTGTCTAG