

## IDENTIFICATION

**Species:** *Carica papaya*

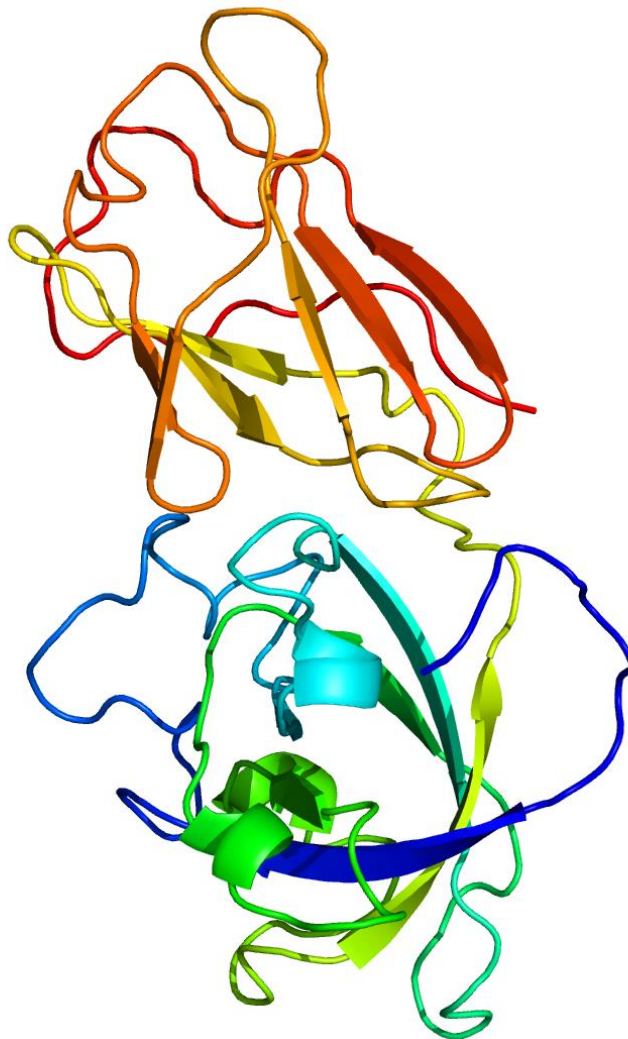
**Locus:** evm.model.supercontig\_14.96

**Gene Model:** evm.model.supercontig\_14.96

**Description:** CpEXPA-05

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

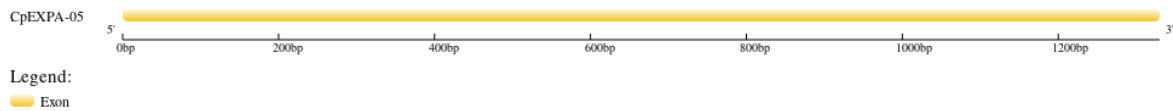
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Cpapaya\\_ASGPBv0\\_4](https://phytozome-next.jgi.doe.gov/info/Cpapaya_ASGPBv0_4)

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

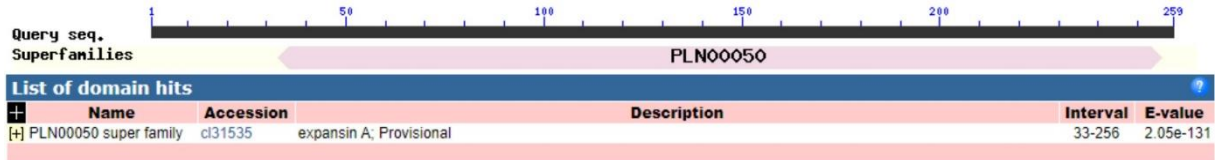
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>CpEXPA-05

MVPIPHICQVRRKMKSFFGIVLVGFVSVVSSTVYGYGGGGWINAHATFYGGGDAS  
GTMGGACGYGNLYSQGYGINTAALSTALFDNGLSCGACYELKCVNDPQWCLPGTIV  
VTATNFCPPGGWCDPPNQHFDSLQPIFEHIAKYRAGIVPVMYRRVRCRRSGGIRFTIN  
GHSYFNLVLTNVGGAGDVRGVSIIKGSRTRWQAMSRNWGQNWQSNAAYLNGQALS  
FLVTASDGRRVLSYNAVAPAGWSFGQTYTGNQFRY\*

### CDS (coding sequence)

>CpEXPA-05

ATGGTCCCAATACCTCATATTTGTCAGGTTGTCAGGAGGTGTGATCTTGACCCTCC  
TCTATTTATTCCTCTGACTCCTCCCTCCTTCATTCCTCATAAAACAACCTTTTCAA  
CCTCTTCAATCTCCCTGTAAATTACAATCTCCTCTTTACTCTTTTCTTCCCTAGTTTG  
CCTTATTTTAACCATGCATGATACAGATTAACCTTTATATACAGTACTAGCTAGTTT  
AATGTAATAAACTTTTCGATATATAAATGCATGGTTGATTTTATGGACATGGTTGT  
TCTTATTTTTGCAGGAAAATGAAGAGTTTTTTTTGGCATTGTTCTAGTGGGATTTGT  
GTCGGTGGTTTCTTCTACTGTTTATGGGTACGGTGGAGGAGGGTGGATTAATGCT  
CATGCAACATTTTATGGAGGAGGTGATGCTTCTGGGACAATGGGTACGTATACAT  
ATATATATACAAATATCTATGTTTTATAACTAATTAGTTCCTTTTAGTTGGGAATAT  
CACATGGGTAAATATCGTACTTACCTTTAATACTATTAGTCTAGCTAACTAGTAAA  
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GCAGCCCTGAGCACTGCATTGTTTCGACAATGGGTTGAGCTGCGGTGCATGCTATG  
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TGCTACTAATTTCTGCCCTCCCGGAGGCTGGTGTGACCCTCCAAACCAGCACTTTG  
ATCTCTCTCAACCCATCTTCGAACACATCGCAAAGTACCGAGCTGGAATCGTCCC  
CGTTATGTACAGAAGGTAACACAATTCTAGACAACCTTATATATCGATAGGAGCAA  
ATACTAGGATATAATAAATAACTTGAAGTGTATATATATAATAAATAACTTAAAG  
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CAATCAATGGACATTCGTATTTCAATCTAGTTCTTGTAACAAATGTTGGAGGTGCC  
GGTGATGTCCGTGGCGTGTCCATAAAGGGTTCAAGAACAAGATGGCAAGCCATG  
TCAAGAACTGGGGTCAGAACTGGCAAAGCAACGCCTACCTCAACGGTCAAGCT

CTTTCTTTTCTCGTCACCGCCAGCGACGGTCGCCGTGTCTTGTCTTACAACGTAGC  
TCCCGCCGGCTGGTCTTTTCGGCCAGACTTACACCGGAAACCAGTTTCGCTATTAA

**Nucleotide**

>CpEXPA-05

ATGGTCCCAATACCTCATATTTGTCAGGTTGTCAGGAGGTGTGATCTTGACCCTCC  
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CCTCTTCAATCTCCCTGTAAATTACAATCTCCTCTTTACTCTTTTCTTCCCTAGTTTG  
CCTTATTTTAACCATGCATGATACAGATTAACCTTTATATACAGTACTAGCTAGTTT  
AATGTAATAAACTTTTCGATATATAAATGCATGGTTGATTTTATGGACATGGTTGT  
TCTTATTTTTGCAGGAAAATGAAGAGTTTTTTTTGGCATTGTTCTAGTGGGATTTGT  
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CATGCAACATTTTATGGAGGAGGTGATGCTTCTGGGACAATGGGTACGTATACAT  
ATATATATACAAATATCTATGTTTTATAACTAATTAGTTCTTTTAGTTGGGAATAT  
CACATGGGTTAATATCGTACTTACCTTTAATACTATTAGTCTAGCTAACTAGTAAA  
TTTTTCATCAAGCAATTTGCTTCCTGTGTCTATAAAGTTGTATTGATGTGAATGCA  
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GCAGCCCTGAGCACTGCATTGTTTCGACAATGGGTTGAGCTGCGGTGCATGCTATG  
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ATCTCTCTCAACCCATCTTCGAACACATCGCAAAGTACCGAGCTGGAATCGTCCC  
CGTTATGTACAGAAGGTAACACAATTCTAGACAACCTTATATATCGATAGGAGCAA  
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CGGGTAATTTTGTGAGTAGGGTAAGGTGCCGGAGAAGTGGAGGCATTAGATTCA  
CAATCAATGGACATTCGTATTTCAATCTAGTTCTTGTAACAAATGTTGGAGGTGCC  
GGTGTATGTCGGTGGCGTGTCCATAAAGGGTTCAAGAACAAGATGGCAAGCCATG  
TCAAGAACTGGGGTCAGAACTGGCAAAGCAACGCCTACCTCAACGGTCAAGCT  
CTTTCTTTTCTCGTCACCGCCAGCGACGGTCGCCGTGTCTTGTCTTACAACGTAGC  
TCCCGCCGGCTGGTCTTTTCGGCCAGACTTACACCGGAAACCAGTTTCGCTATTAA