

## IDENTIFICATION

**Species:** *Carica papaya*

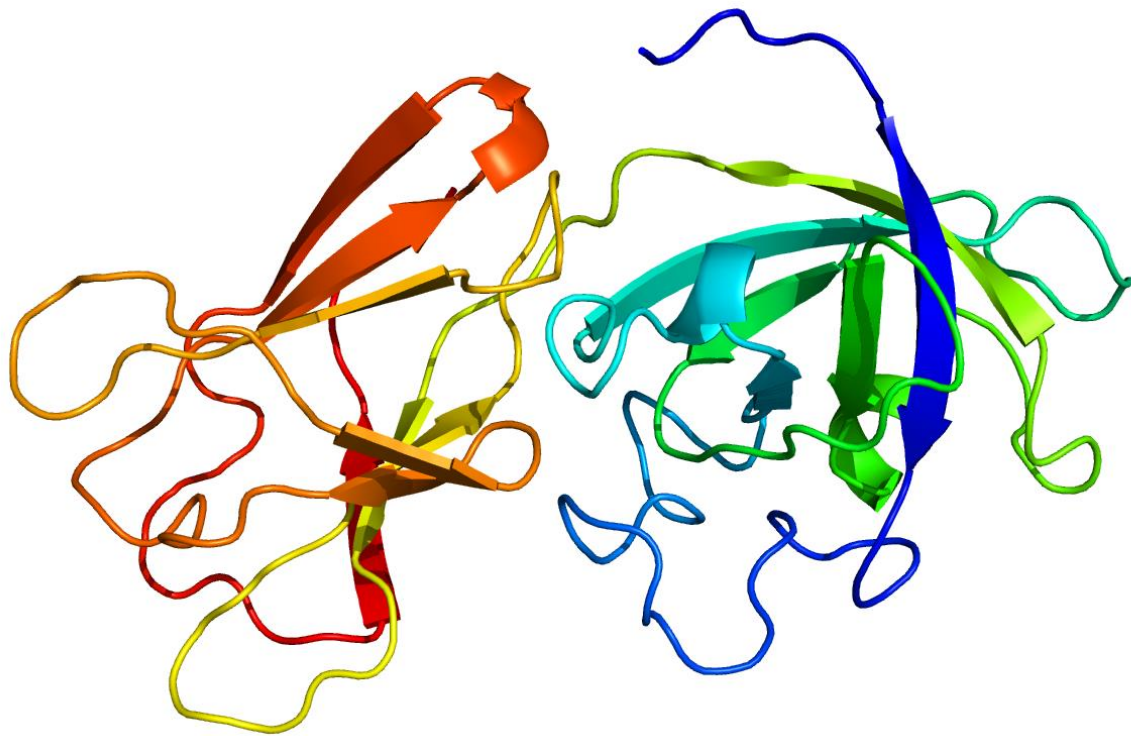
**Locus:** evm.model.supercontig\_29.39

**Gene Model:** evm.model.supercontig\_29.39

**Description:** CpEXPA-08

**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>

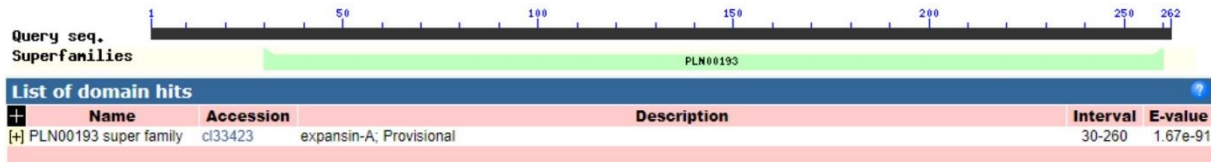
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>CpEXPA-08

MLFFAVLSFSIVANSAAASGYQTRIPTVYKPSWALAHATFYGDETASETMGGACG  
YGNLFKNGYGTDTAALSSTLFNNGYACGTCYQIKCVQSSACFKNVAFTT VTATNLCP  
PNWSEDSNAGGWCNPPRTHFDMAKPAFMKIAQWKAGIIPVMYRRVSCIRSGGIRFSF  
QNGYWLLVYVMNVGGGDIRNMWVKGSKTNWISMSHNWGASYQAFATLGGQS  
LSFKITSYTTKQTIALNVAPSNWAIGLTYESKINFR\*

### CDS (coding sequence)

>CpEXPA-08

ATGTTGTTTTTGCAGTATTATCTTTCTCAATCGTCGCTAATTCTGCCGCTGCTATT  
TCCGGTTACCAAACCAGAATTCCTACTGTTTACAAGCCTAGCCCGTGGGCTCTTGC  
TCATGCCACCTTCTATGGCGACGAGACTGCCTCCGAGACCATGGGTATGTACTTT  
ACTATGCATATAGATCATTGGGTACTTTATTGTATTAATTTAAGTATAAATATATC  
ATGTCATTTGCATGTATGTACTGTAAATTCCAGGAGGAGCTTGTGGGTATGGGAA  
TCTGTTCAAGAACGGATATGGAACGGACACAGCTGCATTGAGCTCAACACTGTTC  
AACAAATGGGTACGCTTGCGGGACGTGTTACCAAATAAAGTGTGTCCAATCAAGTG  
CATGCTTCAAAAACGTTGCTTTTACGACGGTGACTGCTACCAATCTTTGCCCCCG  
AATTGGTTCGGAGGACTCCAATGCCGGCGGCTGGTGC AACCTCCTCGAACCCACT  
TTGACATGGCCAAACCAGCTTTCATGAAGATTGCTCAGTGGAAAGCTGGCATTAT  
CCCTGT CATGTACAGAAGGTACACATATATATATATATAGTTTTTCATTTATAAT  
GACGAAATCTTGTCACTAAATATAACTATAACGAACAGTTTCTATTTTATAGGTCCA  
ATCTTTAGCAACGCTCACCTGTGTTACTAAAACCAGCCAATTATCATAAAGTATCT  
TCTTGTAGGGTATAATTATTTGATCTTTTGTGGTTTTTGTTTAACTGATTTATACAA  
TTATATCATCAGGGTGTTCGTGCATAAGGAGTGGAGGAATTTCGATTCTCATTCCAA  
GGAAACGGATACTGGTTGCTTGTATGTGATGAATGTTGGAGGGGGAGGCGACA  
TTCGAAATATGTGGGTGAAAGGAAGCAAAACGAATTGGATAAGCATGAGTCATA  
ATTGGGGTGCATCATAACCAAGCATTGCTACTCTTGGTGGTCAATCTCTTTCTTTC  
AAAATTACTTCTTATACTAAACAGACGATTATTGCGTTGAATGTTGCTCCTTC  
TAACTGGGCTATTGGCTTAACTTACGAGTCTAAAATCAACTCCGTTGA

## Nucleotide

>CpEXPA-08

ATGTTGTTTTTTGCAGTATTATCTTTCTCAATCGTCGCTAATTCTGCCGCTGCTATT  
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TCATGCCACCTTCTATGGCGACGAGACTGCCTCCGAGACCATGGGTATGTACTTT  
ACTATGCATATAGATCATTGGGTA CTTTATTGTATTAATTTAAGTATAAATATATC  
ATGTCATTTGCATGTATGTACTGTAAATTCCAGGAGGAGCTTGTGGGTATGGGAA  
TCTGTTCAAGAACGGATATGGAACGGACACAGCTGCATTGAGCTCAACACTGTTC  
AACAAATGGGTACGCTTGCGGGACGTGTTACCAAATAAAGTGTGTCCAATCAAGTG  
CATGCTTCAAAAACGTTGCTTTTACGACGGTGACTGCTACCAATCTTTGCCCCCG  
AATTGGTCGGAGGACTCCAATGCCGGCGGCTGGTGCAACCCTCCTCGAACCCACT  
TTGACATGGCCAAACCAGCTTTCATGAAGATTGCTCAGTGGAAAGCTGGCATTAT  
CCCTGT CATGTACAGAAGGTACACATATATATATATATATAGTTTTTCATTTATAAT  
GACGAAATCTTGTCACTAAATATAACTATACGAACAGTTTCTATTTTATAGGTCCA  
ATCTTTAGCAACGCTCACCTGTGTTACTAAAACCAGCCAATTATCATAAAGTATCT  
TCTTGTAGGGTATAATTATTTGATCTTTTGTGGTTTTTGTTTAACTGATTTATACAA  
TTATATCATCAGGGTGTTCGTGCATAAGGAGTGGAGGAATTCGATTCTCATTCCAA  
GGAAACGGATACTGGTTGCTTGTTTATGTGATGAATGTTGGAGGGGGAGGCGACA  
TTCGAAATATGTGGGTGAAAGGAAGCAAAACGAATTGGATAAGCATGAGTCATA  
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AAAATTACTTCTTATACTAAACAGACGATTATTGCGTTGAATGTTGCTCCTTC  
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