

## IDENTIFICATION

**Species:** *Carica papaya*

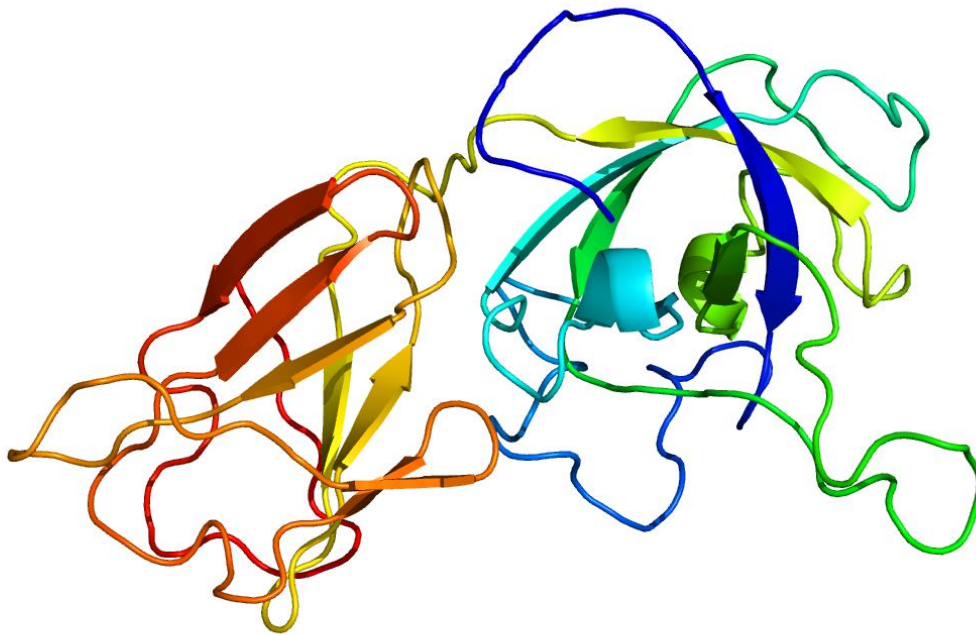
**Locus:** evm.model.supercontig\_57.49

**Gene Model:** evm.model.supercontig\_57.49

**Description:** CpEXPA-10

**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>

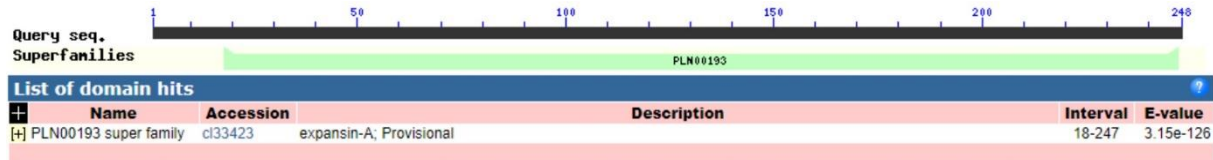
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>CpEXPA-10

MVLVGGIFSTELGSVSAAWLKAHATFYGGSDASGTMGGACGYGNLYTDGYGIKS  
AALSTALFNDGKACGGCYQIFCDATKVPQWCLKGKSITITATNFCPPNYNLPSDNGG  
WCNPPRPHFDMSQPAFETIAKYRAGIVPILYRKVGCRRSGGIRFTINGRNYFELVLISN  
VGGAGEISKVWIRGSKSNKWEVMSRNWGANWQSLSYLNQSLSFRLQASNGGIRTA  
LNVAPKNWQFGQSFKSNVQF\*

### CDS (coding sequence)

>CpEXPA-10

ATGGTATTGGTTGTTGGAGGTGGGGAGATGAAATTCTCAGTCAACGTTAATTGTT  
CAGGGAGAGTACCGCAATTTCCATAATCAATATTTTATAAGCTCACCAAATCCTT  
AGGAGCTACTATATAAAGGCTAGAACACGAGAGTAGGTTGTGTTAACCCTTCAAG  
TTTAGCTTCTTATCTTGGGTTAAAAGGGTTTTTTTTTCCAAAAGAAAGGCATAGAA  
AAAATGAGTAGACTTTTTTGTTTAACTAGTTTGATATTGCTTTTAGGTATCTTTTCA  
ACTGAACTTGGCTCAGTCTCAGCGGCTTGGCTGAAAGCCCATGCAACTTTCTATG  
GCGGAAGTGATGCTTCCGGTACAATGGGTAAGCACCCATGTCCATTTTCTCCCTCCC  
TCTTTACCTTCTTTAACATGATTATAATTTTATTAATTGTATTGTTTTTTGGACTGA  
TGTTGGGATTTTTTTCAGGTGGTGCATGTGGTTATGGCAATCTGTACACAGATGGCT  
ACGGAATCAAATCAGCAGCACTGAGCACAGCTTTGTTCAACGACGGCAAGGCAT  
GTGGTGGGTGCTATCAGATATTCTGTGATGCAACCAAAGTTCTCAATGGTGTCT  
GAAGGGAAAATCCATTACCATCACCGCTACAAATTTCTGCCACCAAATTACAAT  
CTCCCAAGTGATAATGGAGGGTGGTGCAATCCCCCTAGACCTCACTTTGACATGT  
CTCAGCCAGCGTTCGAGACCATAGCCAAGTACAGAGCTGGAATTGTACCAATCCT  
ATACAGAAAGTAAATATAACCATAACCATAAGTACATCCATTTTTTACTTTTTCTTT  
AGGAGTATGATTAACGAGGGTTGTTTTGTGGTGTATAACAGGGTTGGATGCAGA  
AGAAGTGGAGGAATCAGATTTACCATAAACGGAAGGAATTATTTTGAGCTGGTTT  
TGATATCAAATGTAGGGGGAGCTGGAGAGATTTCCAAAGTTTGGATAAGAGGAT  
CAAAATCAAATAAATGGGAGGTTATGTCAAGAACTGGGGAGCAAACCTGGCAGA  
GTCTGAGTTATTTGAACGGCCAGAGTTTGTCTTTCAGGCTCCAAGCTAGCAATGG  
CGGGATTCGTACAGCTCTCAATGTGGCGCCTAAGAATTGGCAGTTTGGACAATCC  
TTCAAATCCAATGTCCAATTCTAA

## Nucleotide

>CpEXPA-10

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CAGGGAGAGTACCGCAATTTCCATAATCAATATTTTATAAGCTCACCAAATCCTT  
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ACTGAACTTGGCTCAGTCTCAGCGGCTTGGCTGAAAGCCCATGCAACTTTCTATG  
GCGGAAGTGATGCTTCCGGTACAATGGGTAAGCACCCATGTCCATTTTCCCTCCCC  
TCTTTACCTTCTTTAACATGATTATAATTTTATTAATTGTATTGTTTTTTGGACTGA  
TGTTGGGATTTTTTTCAGGTGGTGCATGTGGTTATGGCAATCTGTACACAGATGGCT  
ACGGAATCAAATCAGCAGCACTGAGCACAGCTTTGTTCAACGACGGCAAGGCAT  
GTGGTGGGTGCTATCAGATATTCTGTGATGCAACCAAAGTTCCTCAATGGTGTCT  
GAAGGGAAAATCCATTACCATCACCGCTACAAATTTCTGCCACCAAATTACAAT  
CTCCCAAGTGATAATGGAGGGTGGTGCAATCCCCCTAGACCTCACTTTGACATGT  
CTCAGCCAGCGTTCGAGACCATAGCCAAGTACAGAGCTGGAATTGTACCAATCCT  
ATACAGAAAGTAAATATAACCATAACCATAAGTACATCCATTTTTTTACTTTTTCTTT  
AGGAGTATGATTAAACGAGGGTTGTTTTGTGGTGTATAACAGGGTTGGATGCAGA  
AGAAGTGGAGGAATCAGATTTACCATAAACGGAAGGAATTATTTTGAGCTGGTTT  
TGATATCAAATGTAGGGGGAGCTGGAGAGATTTCCAAAGTTTGGATAAGAGGAT  
CAAATCAAATAAATGGGAGGTTATGTCAAGAACTGGGGAGCAAACCTGGCAGA  
GTCTGAGTTATTTGAACGGCCAGAGTTTGTCTTTCAGGCTCCAAGCTAGCAATGG  
CGGGATTCGTACAGCTCTCAATGTGGCGCCTAAGAATTGGCAGTTTGGACAATCC  
TTCAAATCCAATGTCCAATTCTAA