

IDENTIFICATION

Species: *Carica papaya*

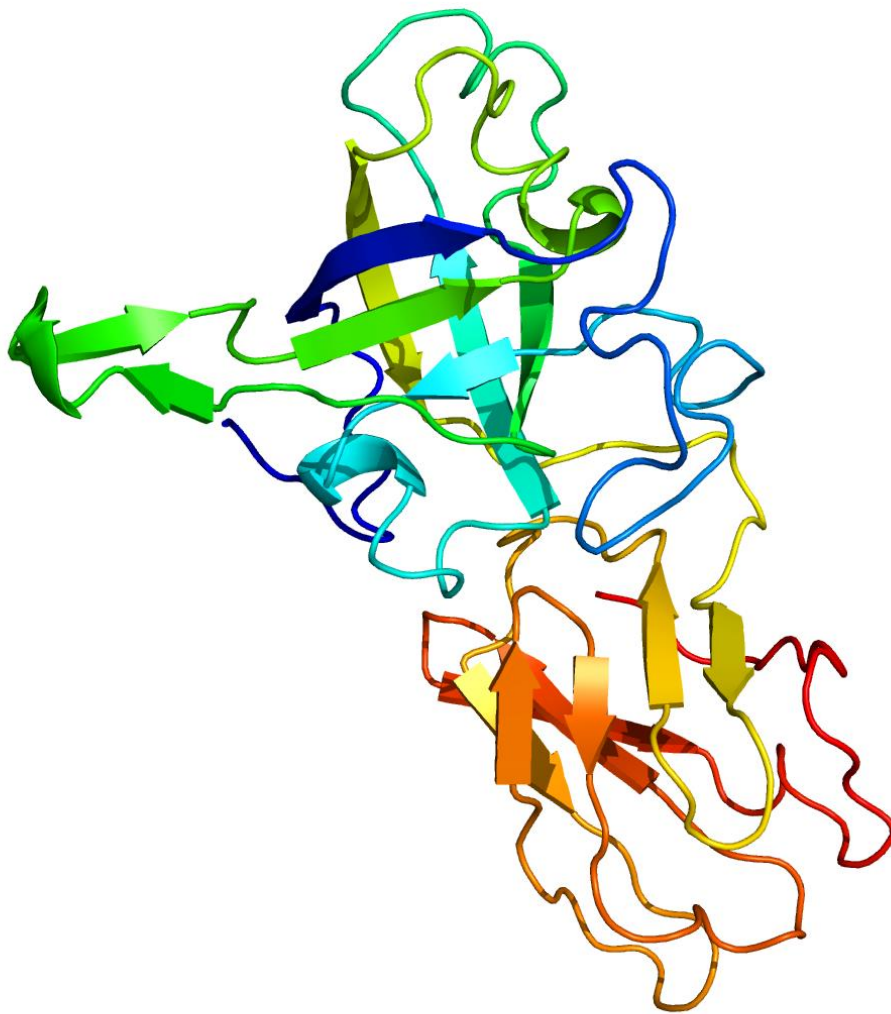
Locus: evm.model.supercontig_1470.1

Gene Model: evm.model.supercontig_1470.1

Description: CpEXPA-18

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>

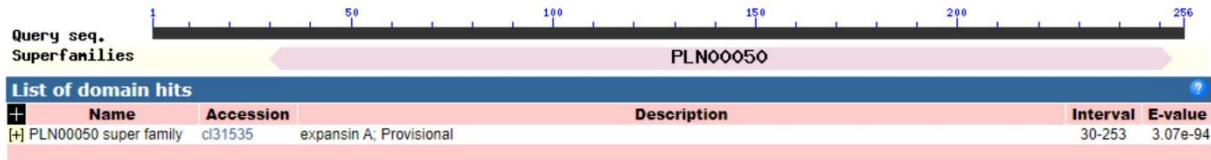
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>CpEXPA-18

MDSMARHVSFFMAILVFMGLAACGGGNDHTGWRDAHATFYGDLGGGETMQGACG
YENLFEQGYGLETAALSSVLFREGAMCGACFEIMCVNDPKWCIKGADPIRVATNFC
PPNYTKSEGNWCNPPLEHFDLTLKMFRLIAKYKAGIVPVKYRRVLCYKQGGVHFVIK
GNSYWILVLVYNVARSGVVS AVQIKGSNTNWMPMSRNWGMNWHFSLAGQSLSF
RVTTSDGKMLQFNLLVPANWQFNSVYDGKKNF*

CDS (coding sequence)

>CpEXPA-18

ATGGATTCCATGGCTCGTCATGTGTCTTTTTTCATGGCTATTCTTGTGTTTCATGGGT
TTGGCGGCTTGTGGAGGGGTAATGATCATACTGGATGGAGAGATGCACATGCA
ACCTTTTATGGTGATTTAGGAGGTGGAGAAACCATGCGTGAGTATTTGCATAATT
ACTTTTTTTTTTTTTTTTCTTTTTTCATCGTAACGTAGTTTTTCATGAAATTACTATTA
TATTTTCAGTTTACATCTAACATTAGATTAGCCATAACATGCATAGGTAGAAAAT
ATTTTTTATTGAGTTATCACCATTCCAACTTTAAATTCCTTAAAGTTAAGAGATTC
AATTCCTATATTTAAGATAATAAATAATTTTATGTGTCAAGTGATCGATCCATGT
ATTAATTGGTACAGAAGGTGCTTGTGGATATGAAAATTTGTTTCGAGCAAGGGTAT
GGACTAGAAACAGCAGCACTAAGTTCTGTACTATTCCGAGAGGGAGCAATGTGT
GGTGCGTGCTTTGAAATCATGTGTGTCAACGATCCTAAATGGTGCATAAAAGGTG
CAGACCCTATTAGAGTAACAGCCACCAATTTTTGCCACCGAATTACACAAAGTC
CGAAGGAAATTGGTGCAATCCACCCTTGAACATTTTGATTTAACATTA AAAATG
TTTCTTCGCATTGCAAAAATATAAAGCTGGAATTGTTCTGTCAAATATCGTCGCGT
CTTATGCTACAAGCAAGGAGGAGTCCATTTTGTGATAAAGGGTAATTCATATTGG
ATTTTGGTATTGGTGTACAACGTTGCACGTTCTGGTGTGTTTCTGCAGTTCAAAT
TAAAGGTTCTAATACTAATTGGATGCCAATGTCACGTAAC TGGGGCATGAATTGG
CATACTTTTAGTCGTCTTGCAGGGCAAAGCTTATCATTTCGTGTA ACTACAAGTGA
CGGCAAATGTTGCAATTCAATAATCTTGTACCGGCTAATTGGCAATTTAATTCTG
TCTATGATGGAAAAAGAATTTTTAA

Nucleotide

>CpEXPA-18

ATGGATTCCATGGCTCGTCATGTGTCTTTTTTCATGGCTATTCTTGTGTTTCATGGGT
TTGGCGGCTTGTGGAGGGGGTAATGATCATACTGGATGGAGAGATGCACATGCA
ACCTTTTATGGTGATTTAGGAGGTGGAGAAACCATGCGTGAGTATTTGCATAATT
ACTTTTTTTTTTTTTTTTTCTTTTTTCATCGTAACGTAGTTTTTCATGAAATTACTATTA
TATTTTCAGTTTTACATCTAACATTAGATTAGCCATAACATGCATAGGTAGAAAAT
ATTTTTTATTGAGTTATCACCATTCCAACTTTAAATTCCTTAAAGTTAAGAGATTC
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ATTAATTGGTACAGAAGGTGCTTGTGGATATGAAAATTTGTTTCGAGCAAGGGTAT
GGACTAGAAACAGCAGCACTAAGTTCTGTACTATTCCGAGAGGGGAGCAATGTGT
GGTGCCTGCTTTGAAATCATGTGTGTCAACGATCCTAAATGGTGCATAAAAAGGTG
CAGACCCTATTAGAGTAACAGCCACCAATTTTTGCCACCCGAATTACACAAAGTC
CGAAGGAAATTGGTGCAATCCACCACTTGAACATTTTGATTTAACATTA AAAATG
TTTCTTCGCATTGCAAAAATATAAAGCTGGAATTGTTCTGTCAAATATCGTTCGCGT
CTTATGCTACAAGCAAGGAGGAGTCCATTTTGTGATAAAGGGTAATTCATATTGG
ATTTTGGTATTGGTGTACAACGTTGCACGTTCTGGTGTGTTTCTGCAGTTCAAAT
TAAAGGTCTAATACTAATTGGATGCCAATGTCACGTA ACTGGGGCATGAATTGG
CATACTTTTAGTCGTCTTGCAGGGCAAAGCTTATCATTTCGTGTA ACTACAAGTGA
CGGCAAAATGTTGCAATTCAATAATCTTGTACCGGCTAATTGGCAATTTAATTCTG
TCTATGATGGAAAAAAGAATTTTTAA