

## IDENTIFICATION

**Species:** *Ananas comosus*

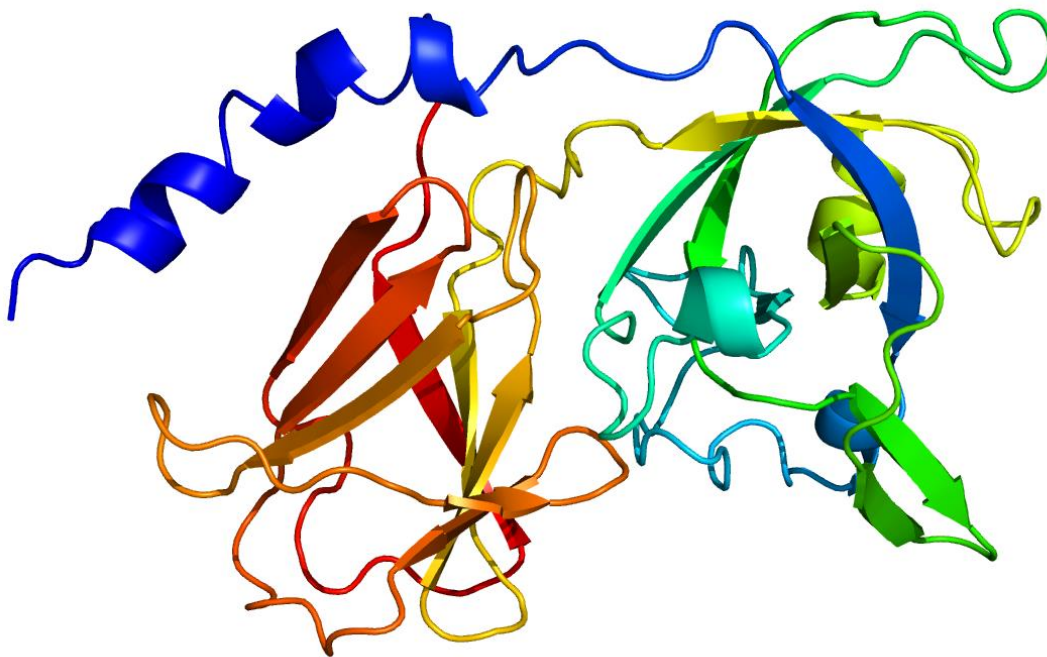
**Locus:** Aco011896

**Gene Model:** Aco011896.1

**Description:** AncEXPA-05

**Family:** Alpha Expansin

**3D structure:**



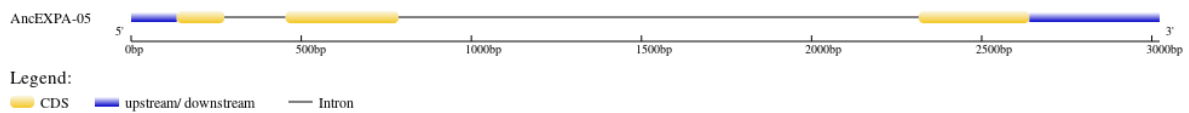
## GENOME DATABASES

Phytozome: [https://phytozome-next.jgi.doe.gov/info/Acomosus\\_v3](https://phytozome-next.jgi.doe.gov/info/Acomosus_v3)

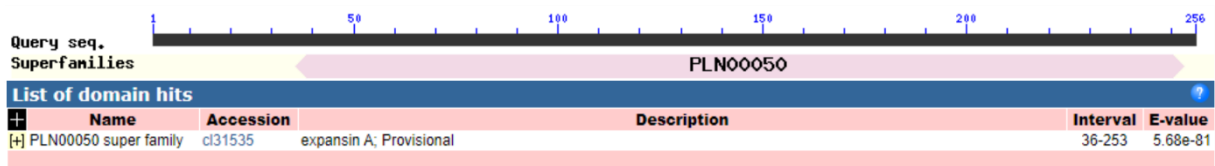
## EXTERNAL RESOURCES

[http://pineapple.angiosperms.org/pineapple/html/index.html#:~:text=The%20PGD%20\(Pineapple%20Genomics%20database,genomics%20and%20CAM%20pathway%20genes..](http://pineapple.angiosperms.org/pineapple/html/index.html#:~:text=The%20PGD%20(Pineapple%20Genomics%20database,genomics%20and%20CAM%20pathway%20genes..)

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>AncEXPA-05

MMRAAWSDLNHVLQLVVMWSALIIGPCAAHQRPSSYFAADPQDSVGGGYGDLGRR  
GYGMATAGLSEGLFARGAGGCYEVRCVQELRYCLPGTSIVVTATNFCAPNYGLPAD  
AGGICNPPNHHLFIPIQAFEKIALWKAGVMPVQYRRVKCVREGGVGFTIDGRGFFITV  
LISNVAGAGDVTAVKIKGSNIGWLSMGRIWGQNWHISADLKGQALS FELTTSDSVTL  
TSFNVAPKDWSFGQTYAGKQFSF\*

### CDS (coding sequence)

>AncEXPA-05

ATGATGCGCGCAGCATGGTCCGATCTCAATCATGTGCTGCAGCTGGTGGTGATGT  
GGTCGGCCCTAATAATCGGTCCCTGCGCAGCCCCAGCGGCCGTCCCTTTCGCC  
GCCGCCCAAGTCCGTCCGGTGGGGCGTGCGGGTGGGGATCTGGGGAGGCGCGGG  
TGGGATGGCGGGCGGGGCTGAGCGAGGGGCTGTTCGCGAGGGGGGCGGCCGTGCG  
GGGGCTGCTGAGGTGCGCTGCGTGCAGGAGCTCAGGTTGCCTGCCGGGGCTCCAT  
CGTCGTCCGCCATTCTGCGCCCCCAATTGGCCTCCCCGCGGCCGGCGGCATCT  
GCACCCCCACCTTCTTGATCCCCATCCAGGCCTTCGAGAAGATCGCCCTCTGGA  
AGGCCGGCGTCATGCCCGTCCAGTCGCCGAGTGAAGTGCGTCCGGGAGGGCGGG  
GTGGGGTTCGATCGGGGCGGGGTTCTTCATCAGTGCTGATCAGCAATGTGGCCG  
GCGCGGGTGATGTGGGCGGTGAAGATAAAGGGATCGAATCGGCTGGCTCTCCAT  
GGGCCGATTTGGGGCAAATGGCATCAGTGCCGATCTCAAGGGCCAGGCCCTCT  
CCTTCGAGCTCCAGCGAGCGTCGCTCCTCGTTCAGTCGCCCCCAAGGTGGTCCT  
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## Nucleotide

>AncEXPA-05

CTCGTCCCTTCCCAGTATCTTCTCTTTTTCTCCTGTGTCTGAGAGCATCGCTGGATC  
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GCAGCATGGTCCGATCTCAATCATGTGCTGCAGCTGGTGGTGTATGTGGTTCGGCCC  
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AGCAGGAGCGGGGCCTTTCTGAGGGTGAAGTTTTGTCCATTTTTGCTGCTGGCAT  
CATGCATCCTGATCAGGATGATCCTTGGAGACGGCCGGTGTGTTGAATGTGATTGA  
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GGAGAAATTATTGCATGACCCATTCAATTTGGGGAATC