

## IDENTIFICATION

**Species:** *Ananas comosus*

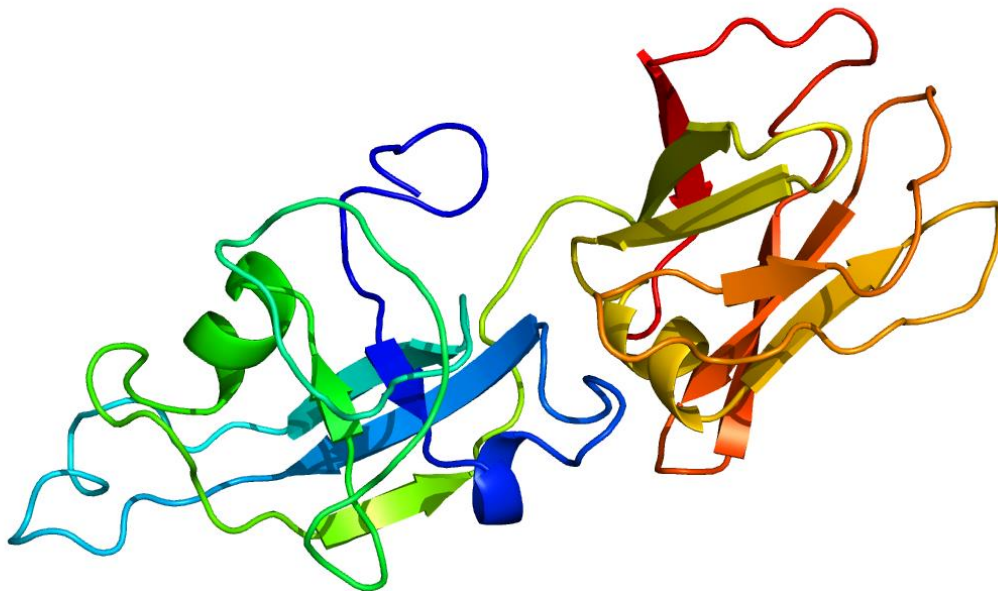
**Locus:** Aco017125

**Gene Model:** Aco017125.1

**Description:** AncEXPA-12

**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)

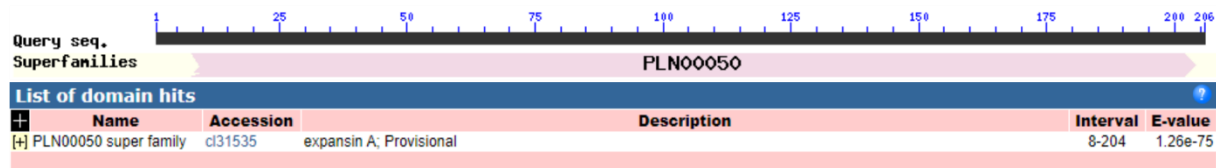
## EXTERNAL RESOURCES

[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-12

LDAPGRLYGRETAGLSTALFGRGSGGC FEVRCVDRRIPYRCLQGSPSVAVTAVDYCA  
PNYGRPYDDGGWCNFPREHFDLSQAAFLRIASRKADFIHVHYRRVICEREGGIRFTIA  
GSSYFHQVLITNTGSDGFVTAVKVKGSRGTGWIPMARNWQNWQCDTDLRGQPLSFE  
VTDSEGRTLTSYNVAPSDWRYGQTFEGKQFD\*

### CDS (coding sequence)

>AncEXPA-12

CTGGGCCC GGCAGTGTGGCAGGGAAAGCAGGGCTGAGCCGCGTTGTTTCGGGAGG  
GGGAGCGCCTGCGGCGGCTGCTTTGAGGTGAGATGTGTTGATCGCCGCATCCCCT  
CGGTGCCTGCAGGGGAGCCCCTCCGTCGCCGTCCGCGGTGGTTGCGCCCCCATGG  
CCGCCCTTGACGGGCGGATGGTGCATTCCCAAGAGAGCTTTGCTGTCAAGCTGCT  
TTCCTGCGAATTGCTAGCAGAAAAGCTGATTTTCATATGTCCATTAGGAGGGTGAT  
CTGCGAAAGAGAGGGCGGGATCAGATTCCATAGCAGGGAGCTCCTTTCCCAAGTT  
CTCATCAAGGGCTCCGGGGTTTGTCCGGCTGTCAAGGTGAAAGGGTCGAGAAGGCT  
GGATTCCCATGGCCAGAATGGGGCCAGATGGCAGTGCGATCGCTCCGAGGCCAG  
CCGCTGTCTTTTGAAGTACGAGCGAGGGCAGATCTCATCTAGTCGCCCCGTCCG  
TGCGGGTGGAGATTCTGAAGGAAAAGTTCGTAA

### Nucleotide

>AncEXPA-12

CTGGGCCC GGCAGTGTGGCAGGGAAAGCAGGGCTGAGCCGCGTTGTTTCGGGAGG  
GGGAGCGCCTGCGGCGGCTGCTTTGAGGTGAGATGTGTTGATCGCCGCATCCCCT  
CGGTGCCTGCAGGGGAGCCCCTCCGTCGCCGTCCGCGGTGGTTGCGCCCCCATGG  
CCGCCCTTGACGGGCGGATGGTGCATTCCCAAGAGAGCTTTGCTGTCAAGCTGCT  
TTCCTGCGAATTGCTAGCAGAAAAGCTGATTTTCATATGTCCATTAGGAGGTATCT

CTCTCTATATCAAAATAAGTTGTAAAAGATTCCAAGATAATCCGAAGGGTGGGTT  
TGCTGTGTTCTTGATGCAGGGTGATCTGCGAAAGAGAGGGCGGGATCAGATTCCA  
TAGCAGGGAGCTCCTTTCCCAAGTTCTCATCAAGGGCTCCGGGGTTTGTTCGGCTG  
TCAAGGTGAAAGGGTCGAGAAGGCTGGATTCCCATGGCCAGAATGGGGCCAGAT  
GGCAGTGCGATCGCTCCGAGGCCAGCCGCTGTCTTTTGAAGTACGAGCGAGGGCA  
GATCTCATCCTAGTCGCCCCGTCCGTGGCGGTGGAGATTCGAAGGAAAAGTTCGT  
AA