

## IDENTIFICATION

**Species:** *Ananas comosus*

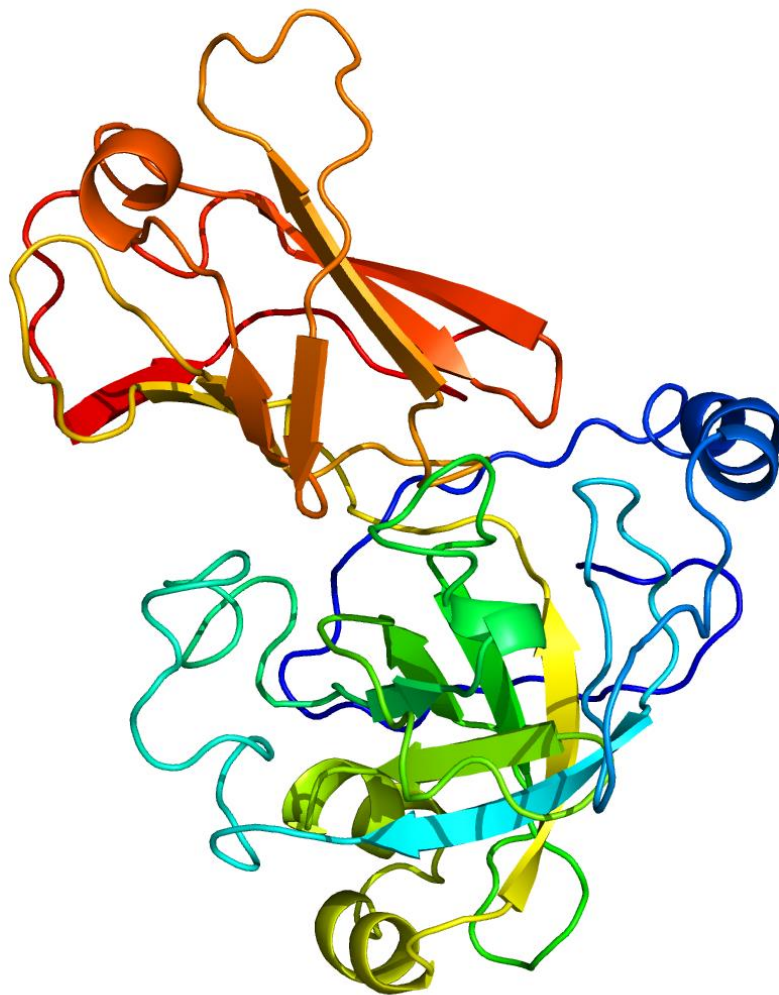
**Locus:** Aco011719

**Gene Model:** Aco011719.1

**Description:** AncEXPB-05

**Family:** Beta Expansin

**3D structure:**



## GENOME DATABASES

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

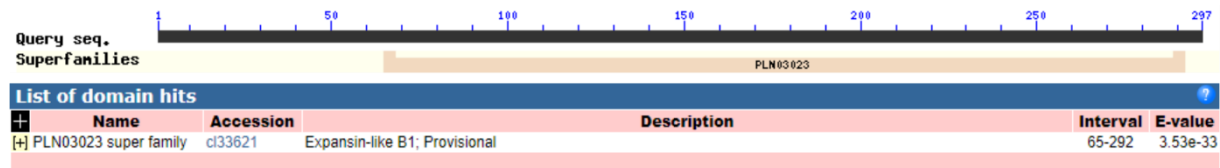
## EXTERNAL RESOURCES

[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

>AncEXPB-05

MTAQYGAVQFELLIETMEYYSFILRLLPLFSTIAFLLLLTCFNISAANSNNSNVTTSSSS  
TWYPARATWYGDPHGAGSDGGGYGDAVENPPFSSMVSAGGPLFKSGHGCYQVK  
CTGNGVCSGEPVTVAIADLCPGCLSEQVHFDMSGTAFGAMAIPGEDDRIRDVGVLTV  
QYMRVECKYPGYDVAFYVDSGSNPYYFAVAVEYEGGDGDLWGLDLMQGGSDHSW  
LPMQHSWGAVWMLSSSGSQLRAPFSIRLTTLSTHRTAIASRVPIGWKPGSTYRFRIQF  
SSVSA\*

### CDS (coding sequence)

>AncEXPB-05

ATGGGCCCCAGTGGCGCGGTAGTTCGAGCTCCTCATTGAGCATGGAGTTAGCTTCA  
TCCTGCGTCTTCCTTATCTCCCATAGCTTTCCTTGTTGCTCTTGCTTTAATATCAG  
TGCTGCGATCCAATCAAGTACCTCCTCTTCATCACTGGTATCCGGCCCCGCGCCATG  
GTGGAGCCCCATGGTGCCGGAAGCGGGTGGTGCATGTGGTTGGAGATGCGGTGG  
AGACCGCCTTTCTCATCCATGGTTTCAGCAGGAGGCCCTCGCTCTTCAAATCAG  
GCCGGATGTGGCGCTTGTATCAGGTGAAATGCCGGAATGGTGTGTGTTCTGGG  
GAGCCGGTGGGTGGCGATTGCTGTTGTGCCCAGGATGCCTCTCGGAGCAAGTCCT  
TCGATGAGCGGAGGCATTCGGGGCCATGGCGATCCCTGGCGAAGGATCGGATTC  
GCGATGTGGGCGTCTCAGTAGTATGCGAGTCGAGTGCAAATATCCAGGTTATGG  
TGGCGTTCTGTGGTTCGGGCTCGACCGTTTTTCGCGGTTCGCGGTGGAGTGAGGGTGG  
GGGGGGTTGTGGGGTGGATCTGATGCAAGGTGGGTTCGGCATTCTGTGGCTCCCCAT  
GCATCCTGGGGCGCGGTTTGGATGTTGAGTTCCTCCGGCTCGCATCCGCGCCCCG  
TTCTCGATCAGGCTCCCCTCTCGCCCGGCGCAATCGCGAGTCGGGTGATTCTTATT  
GGGTGGAACCGGTTTCGCTCGGTTTCAGGATCCAATTTAGCAGTGTCTCAGCTTAA

## Nucleotide

>AncEXPB-05

ATGGGCCCAGTGGCGCGGTAGGTCATGGCCCAACTCTTTGGGCCGTGATATTTCA  
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GTGCCGGAAGCGGGTAATATATATATATGCATGTGTGAGAGAGATTGCTACAATA  
AGTTATAAGTTTATCATCTTTTTTGTAAACAAAGGTGGTGCATGTGGTTGGAGATG  
CGGTGGAGACCGCCTTTCTCATCCATGGTTTCAGCAGGAGGCCCTCGCTCTTCA  
AATCAGGCCGGATGTGGCGCTTGTTATCAGGTAATTAATAAGTAAATCGTGGT  
ATGAATGGGGAGAGCAGTTGGTGCATAAGTTTAAAGTTTTCAATCTGTATTTTTGTAA  
GTGAGCTCTTTTTGAGTCCGAGTTTCTTTGTATGTATATATAATGTTTCGTTTAGGTT  
TTATGCAGATTTATGTATCTCAGGTGAAATGCCGGAATGGTGTGTGTTCTGGGG  
AGCCGGTGGGTGGCGATTGCTGTTGTGCCAGGATGCCTCTCGGAGCAAGTCCTT  
CGATGAGCGGAGGCATTCGGGGCCATGGCGATCCCTGGCGAAGGATCGGATTCG  
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TCGACCGTTTTTCGCGGTTCGCGGTGGAGTGAGGGTGGGGGGGGTGTGGGGTGGAT  
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GGATGTTGAGTTCCTCCGGCTCGCATCCGCGCCCCGTTCTCGATCAGGCTCCCTC  
TCGCCCCGGCGCAATCGCGAGTCGGGTGATTCTATTGGGTGGAACCGGTTTCGCTC  
GGTTCAGGATCCAATTTAGCAGTGTCTCAGCTTAA