

## IDENTIFICATION

**Species:** *Ananas comosus*

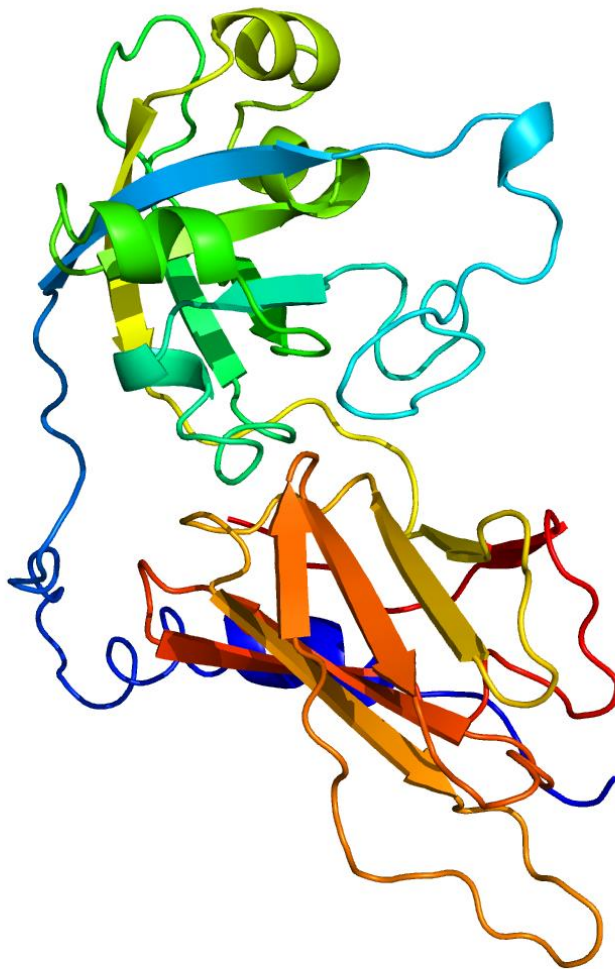
**Locus:** Aco011715

**Gene Model:** Aco011715.1

**Description:** AncEXPB-07

**Family:** Beta Expansin

**3D structure:**



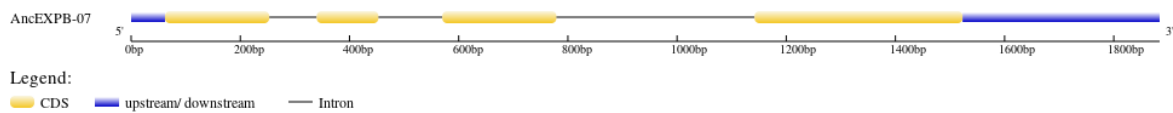
## GENOME DATABASES

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

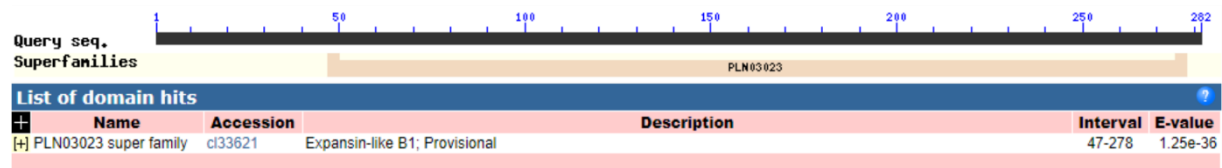
## EXTERNAL RESOURCES

[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-07

MAFSLSGSSSVVLLVSLMFVCPFCFKSKSFNFSTSEAALNWNTASATWYGSPTGAG  
PDDNGGGCGYKNVNLPPFSSMTSCGNPALFKSGEGCGSCYKVKCNSHPSGKPLIIT  
DLGGVCLDKTYHFDMSGTLFGSMAYPGKEDVLRHAGILPVQFARVPCEYPGRNIAFH  
VEEGSNPNYLAILVEYEDGDGDLRSVDIMESSSAQSTYSNAWTPMRESWGAIWRLD  
TSRPLRGPFSIRLTTDTSRDLVARNVIPANWQPNQVYRSIVNYST\*

### CDS (coding sequence)

>AncEXPB-07

ATGGCTTTTTCTCTTAGTGGCTCTTCTTCAGTAGTTCCTTTTGGTTTCGCTTATGTTT  
GTTTGTCCCTGCTTCTGCTTTAAGTCCAAAAGCTTCAATTTCTCCGTCCGAAGCCG  
CATTGATGGACGCAAGCGCGCTGGTGGTAGCCCCGGTGCCGGCCAGGATAAT  
GGTGGTGGATGTGGGTACAAAAATGTAAATCTCCCTCCTTTCTCGTCCATGTTCAT  
GCGGAACCTGCTCTGTTCAAATCCGGCGAGGGATGTGGCTCGTGTTATAAGGTGA  
AGTGCAAGCCCCGGCGTGCTCCGGAACGTCGCCTGATCATCCGGCATGCCTCGG  
CGGCGTCTGCCTCGAAGCTCTTCGATGAGCGGGCTTGTTTGGGTCGATGGCGTCC  
CGGCAAGGAGGGTGCTTCGCCGCCGGAATTCTCCAGTCCAGTTTGCTAGAGTGC  
CGTGTGAATCCGGGCCGGAATCGCCTTCCGTCGAGGAGGGCTCGACCGATCTCGC  
GATCCTGGTCGAGTGAGGGGCGGGTGATCTCCGGTCGGTCGATCATGGAATCCTC  
GTCGTCAGCGCAATCCGTTCCAGCATGGTCCGATGAGGGAGTCGTGGGGCGCGAT  
CTGGCGGTTGGACGAGCCGCCCGTTGCGGGGCCCGTTCTCGATCCGGCTCCCGCT  
CCGCGCCCTTGTGGCGCGCAGTGATTCGGCCAATTGGCACGACAGGTCTAGGTC  
CATCGTGATAGTTTAA

## Nucleotide

>AncEXPB-07

GCCCCAAGCTATTCTCTGATCATTCCCTCTCTCTAAAGAGCCCCTTCAATATGGCT  
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CCTGCTTCTGCTTTAAGTCCAAAAGCTTCAATTTCTCCGTCGGAAGCCGCATTGAT  
GGACGCAAGCGCGACCTGGTGGTAGCCCCGGTGCCGGCCAGGATAATGGTAA  
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TTTCGGATCATATCAAGCCATTTTATTTGCTCTAGAAGGTTTCATAAAATAAAATGG  
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AGTAGAATCAAAATGGCAATAATAATGAAGAACGTATATAGCTTATTTAATCAT  
TCGCTTTGTTAATTTATAGAGTGCCGTGTGAATCCGGGCCGGAATCGCCTTCCGTC  
GAGGAGGGCTCGACCGATCTCGCGATCCTGGTCGAGTGAGGGGCGGGTGATCTC  
CGGTCGGTCGATCATGGAATCCTCGTCGTCAGCGCAATCCGTTCCAGCATGGTCC  
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ATATTATTGTCCTAAGAAGCTATTTTAAAGTTATTTTCGTATTGGAGATCCATATATA  
AGGGGCTGTTTGAAGTAAGGGTCTAAATTTATGTGTGATCCTTAGTAATTAGTTA  
GCTTGGTGTGGTGGACGTGGAAGTGTAATATGGTGTTTTATTTAATATAATTATT  
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AGCATGTGCTTTCAATTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGTTAGTTGAGAA  
AAGAAAGTGTAGATAAATATAAATAATTAAG