

## IDENTIFICATION

**Species:** *Ananas comosus*

**Locus:** Aco017577

**Gene Model:** Aco017577.1

**Description:** AncEXPA-08

**Family:** Alpha Expansin

**3D structure:**



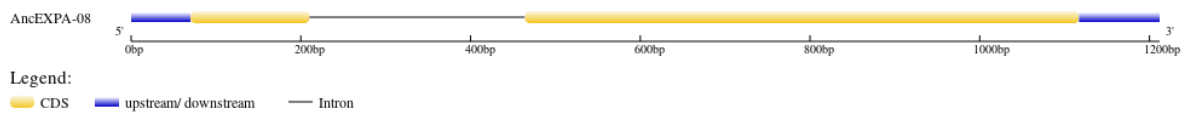
## GENOME DATABASES

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

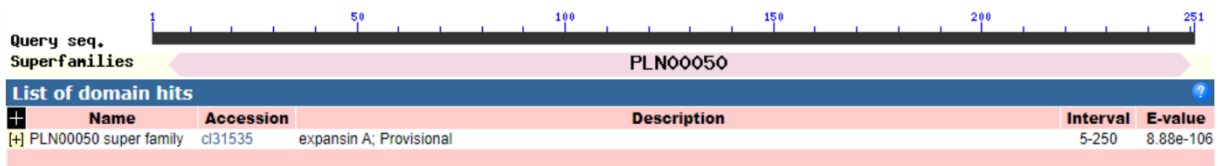
## EXTERNAL RESOURCES

[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-08

MIKCCGFLLVVIAMSVMATKTMAQGAWDTAHAIFYGDMSGGETMQGGYGDRLFQQ  
GYGLETAALSTALFNNGQTCGFEIQCYDDPQWCAPGSITITATNFCPPNYSKPGDDGG  
WCNPPRKHFDSLMPMFVKIVKDYHAGIVPVQFRRVTCVKQGGMRFEIKGNPYWILV  
LVYINVAGDVVAVSVKGSSTDWIAMSRNWGQNWQTGTQLVGQSLSFKVTTSDGRTV  
ESDNAVPSNWQFGQNYEGGQF\*

### CDS (coding sequence)

>AncEXPA-08

ATGATTAAGTGTTGTGGGTTTTTCTCGTAGTAATAGCAATGAGCGTAATGGCCG  
AAAAATGGCCCAAGGTGCATGGGTGCCCATGCAGTTCTATGGGGATGTCCGGAG  
GAGAATATGCAAGGAGCTTGCGGGTGGCGATCTGTTCCAAAGGCTATGGCCTTGA  
GCGCAGCCCTAAGCGGCGCTCTTCAAGGCCAATTGCGGGCGCGTGCTTCGAAATCC  
AATGCTGGCCGCAGTGGTGC GCGCCTGGCTCGATCTATCCGCTCATTCTGTCCCC  
GATATTCTAACTGGCGGGGCGGCTGGTGCACCGCCTCGAAAGCTTTGCTGTGCGAT  
GCCCATGTTTCGTAAAAATCGTGAAGGTGCGGGGCATCGTCCCCGTGCAGTTCCGC  
CGCGTCCTGCGTGAAGCAGGGCGGCATGCGGTTTCGAAATCAAAGGAACCTTTGG  
ATTTTGGTGTGTTGTTTAAATGTGGCGGGCGATGTCGTGGCGGTGTCGGTGAAGGGG  
TCGTGCGGTGGATAGCGATGTCGAGGATGGGGCCAGAATTGGCAACGGGGCAGT  
TGGTGGGGCAGAGCTTGTCAATTTAAGGTGCCAGTGGGCCGGGGTTCGAGTCGGATA  
ATGCCGTGCCGTCAATTGGCAATTCGGTCAGAATTGAGGGCGGAGTTCTAA

### Nucleotide

>AncEXPA-08

GTAGAGGGAGAGGGAGAGATATAGATAGTGGTGTGTGGGAGTGCAATATAAAAA  
TAAATGATTAAGTGTTGTGGGTTTTTCTCGTAGTAATAGCAATGAGCGTAATG

