

IDENTIFICATION

Species: *Ananas comosus*

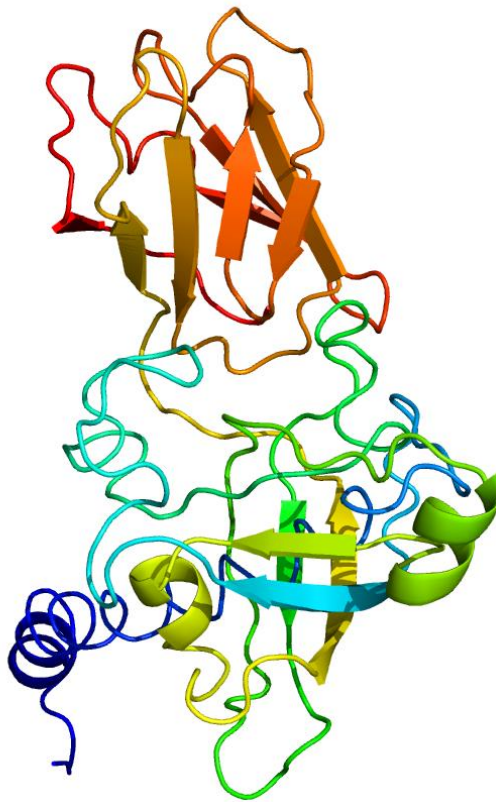
Locus: Aco017902

Gene Model: Aco017902.1

Description: AncEXPA-06

Family: Alpha Expansin

3D structure:



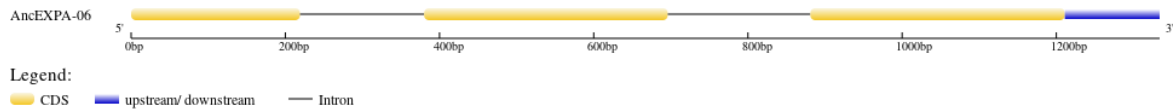
GENOME DATABASES

Phytozome: https://phytozome-next.jgi.doe.gov/info/Acomosus_v3

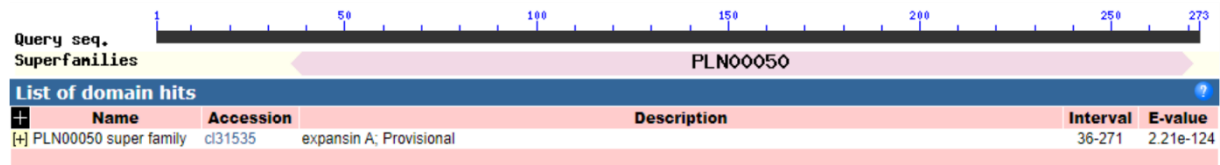
EXTERNAL RESOURCES

[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-06

HLPHLSHSSFSSLFLANQAHFSKMKLLYLPILSLLITTTFIKGIHGYGGVAWSNAHATF
YGGGDASGTMGGGYGNLYSSGYGTNTAALSTALFDSGRSCGFEEKCANDNGWCLPG
SVVVTATSFPPNSDGGWCNVPLQHFDSLQPVFQRIAQYKAGIVPVQYRRVSCVKQG
GIRFTINGHSYFNLVLITNVGGAGDVVSAAVKGSRTGWQAMSRNWGANWQSNAYL
DGQSLFRVTTSDGRTVTSANAAPADWNFGQTFSGAQFS*

CDS (coding sequence)

>AncEXPA-06

CCTTCCTCCTCTCCCTCAAGCTTCTCTTCTCTCTTTTTAGCAAATCAAGCTCTTTAG
CAAGATGAAGCTCCTTTCTTCCCATCTTGCCCTCCTGATCCTATTCATCAAAGGC
ATTCATGGCTATGGTGGTGTTCATGGTCTAATGCCCGCCCTTCTATGGAGGTGGT
GATGCTTCTGGTAATGGGAGGAGCATGCGGGTGGCACTCTAGCAGCGGATGGCG
AGGCGGCGCTGAGCGGCGCTCTTCGAGCGGGCGAAGCTGTGGCGCCTGCTTCGA
GATCAAGTGCGCGAGAGGGTGGTGCCTCCCGGGCTCCGTCGTCGTGTGCCAGCT
TCTGCCCCCGAAGTGGGCGGGTGGTGCAGTCCCCCTGCAGCTTCGCTCTCCCAG
CCGTTTTTCCAGCGGATCGCGCAGTATAAAGCCGGCATCGTCCCCGTCCAATATA
GAAGAGTTTCTTGTGTCAAGCAAGGGGGGATCCGGTTCGATCAGGTCTCGTTTCA
CTGGTGCTGATCGAGTGGGCGGGGCCGGGGGTGGTGTTCGGCCGCGTGAAGGGG
TCGAGGGGGGTGGCAGGCGATGAGCCGCATGGGGCGCCATGGCAGAGCAGCGTC
TCGGGCCAGTCCCTCTCCTTCAGGGTCCCAGCGGGCCGCGTCCGCGAGCCG
CCCCGCCGATTGGATTTCGGAGGTTCTCTGGCGCCAGTTTTTCGTGA

Nucleotide

>AncEXPA-06

CCTTCCTCCTCTCCCTCAAGCTTCTCTTCTCTCTTTTTAGCAAATCAAGCTCTTTAG
CAAGATGAAGCTCCTTTCTTCCCATCTTGTCCCTCCTGATCCTATTCATCAAAGGC
ATTCATGGCTATGGTGGTGTTCATGGTCTAATGCCCGCCCTTCTATGGAGGTGGT
GATGCTTCTGGTAATGGGTAAGCTTTTCTCGCCTCTCCGGAGCTTTTAAAAGTGTT
GTTTATCAAGCTTTTGAGAAAAGTCGCAGCTATTATTTGTTTTTGTAGCGCTTGT
TTGGCCATGTATCATTATTGGAATGATCTGTTTATGTAGGAGGAGCATGCGGGTG
GCACTCTAGCAGCGGATACGGCGAGGGCGGCGCTGAGCGGCGCTCTTCGAGCGGG
CGAAGCTGTGGCGCCTGCTTCGAGATCAAGTGCGCGAGAGGGTGGTGCCTCCCGG
GCTCCGTCGTGCTGTCGCCAGCTTCTGCCCCCGAAGTGGGCGGGTGGTGCAGTC
CCCCTGCAGCTTCGCTCTCCAGCCGGTTTTCCAGCGGATCGCGCAGTATAAAGC
CGGCATCGTCCCCGTCCAATATAGAAGGTAAGAAATTAAGTAGCTATATATATTT
ATATTTAGTATCTTATCATTAAAATGTATCTTTAATATAATTTTATGCATGTATTT
ATGTATAATTATGCTGCTATTAATACTATATTAATGGTGGATTTGTTCTAATTTTTTTG
CTTTAAATTTTTTGGCTGTTGCATGCAGAGTTTCTTGTGTCAAGCAAGGGGGGATC
CGGTTTCGATCAGGTCTCGTTTCACTGGTGCTGATCGAGTGGGCGGGGCGGGGGT
GGTGTCCGCCCGCCGTGAAGGGGTCGAGGGGGGTGGCAGGCGATGAGCCGCATGG
GGCGCCATGGCAGAGCAGCGTCTCGGGCCAGTCCCTCTCCTTCAGGGTCCCAGCG
GGCCGCCGTCGTCCGCGAGCCGCCCCCGCCGATTGGATTCCGAGGTTCTCTGGCG
CCCAGTTTTTCGTGATCAATCTGATAGAAAAGTCCGAATATATATTTAAATTAAGC
TTTTTCTATTTTGTAGTAGTAAAGTATAATTAATTAAGGAGGGGTCTCTCTTTAAT
TTGGAATG