

IDENTIFICATION

Species: *Ananas comosus*

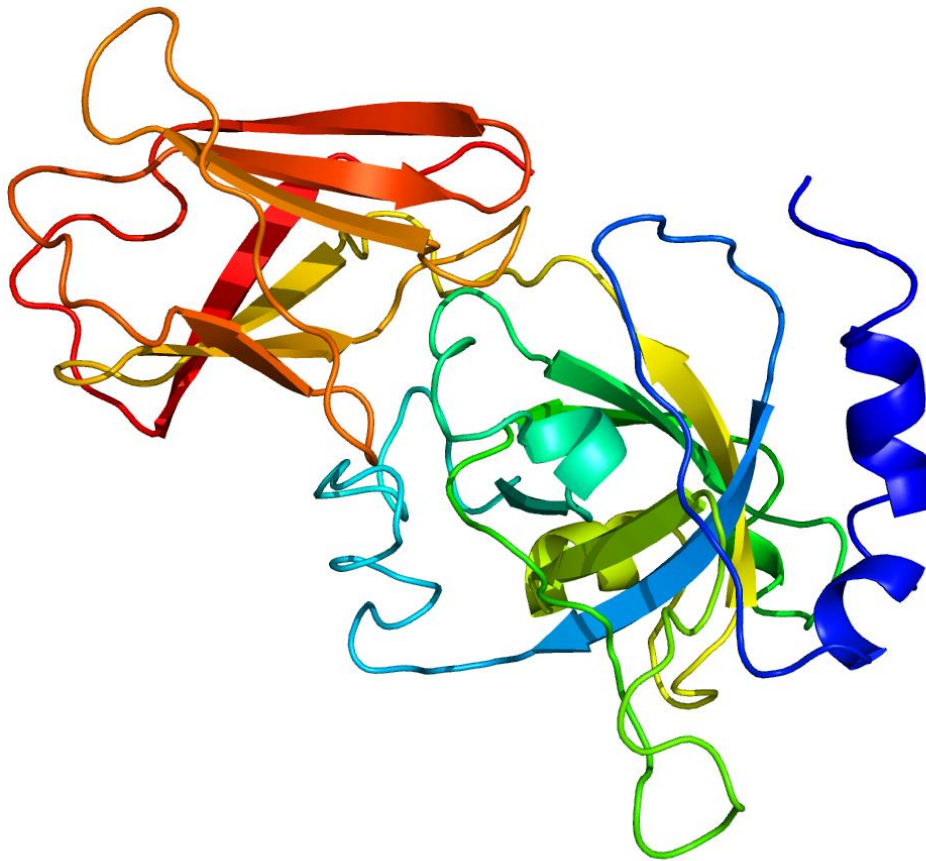
Locus: Aco000511

Gene Model: Aco000511.1

Description: AncEXPA-09

Family: Alpha Expansin

3D structure:



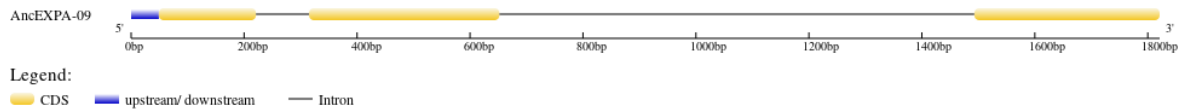
GENOME DATABASES

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

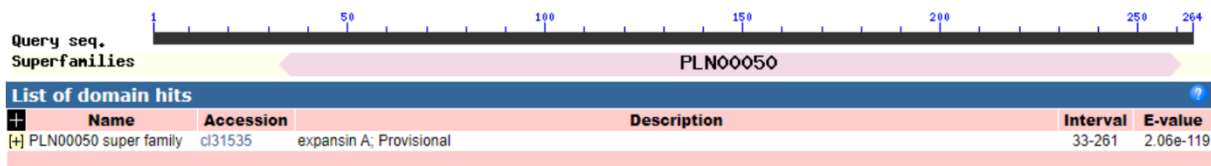
EXTERNAL RESOURCES

[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-09

MSTMLCFLTLLMTISLLVLSHRADARVPGVYAGGPWQSAHATFYGGSDASGTMGGA
CGYGNLYSEGYGVETAALSTALFNSGESCGFELKCADDPRWCHAGSPSILITATNFCP
PNYALPSDDGGWCNPPRPHFDLAMPFLRIAIEYRAGIVPVS YRRVPCRKAGGIRFTIN
GFRYFNLVLITNVAGSGDVVRVSVKGSRTDWMAMSRNWGQNWQSNVAVLVGQSLSF
RVTAGDRRTSTSWNAVAANWQFGQTFVGKNFRF*

CDS (coding sequence)

>AncEXPA-09

ATGTCGTATGCTCTGTTTCCTTTCTGCTGATGTATTTCCCTGCTCGTTCTCCCCGAG
CGGGCCCGCGTGCCGGGAGTCTGCGGGCGGCCCTGGCAGAGCGCCCGCCCTTCT
GGCGGCAGCGGCCTCCGGCCATGGGGGGTGCATGCGGGTATGGGAATTTGTATA
GCGAGGGATACGGGGTGGAGGGCGGCGCTGAGCGGCGCTGTTTCATCGGGGGAGA
GCTGCGGGGCGTGCTTCGAGCTGAAATGCGCGGGCCGCGGTGGTGCCGCCGGCA
GCCCCCTCCATCCTCATCCGCCATTCTGCCCCCCCATGCCCTCCCCTCCGGGGCGG
CTGGTGCAATCCCCCGCGCCCCCTTCGCTCGCCATGCCCATGTTCTCAGGATCGC
CGAGTCGTGCCGGCATCGTCCCCGTCTCCTCGCAGGGTGCCGTGCCGGAAGGCGG
GCGGGATCCGGTTCGATAAGGGTTCCGGTTTCAATTTGGTTGATCGAGTGGCCGG
TTCGGGGGGTGGTGCGAGTGAGCGTGAAGGGGTCGCGGTGATTGGATGGCGATG
AGCCGGATGGGGCCAGAATTGGCAGTCCAATGCAGTTGGTGGGAATCCCTCTCCT
TCCGCGTCTGCGGGTGCGCCGCCCTCCCTCCTGGAGCCGTCGCCGCCATGGCAATT
CGCCAACTTCGTGGGCAAAAATTTTCGATTCTAA

Nucleotide

>AncEXPA-09

CTCTCTCTCCTCCCCGTTTTCTCTCTCTCCCTAAATAAGCGAATGTCGTATGCTCT
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CTCCGGCCATGGGTGTATTTTTGTAATCATGCATGTTAAATTATATAAAATTATTA
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CCAATGCAGTTGGTGGGAATCCCTCTCCTTCCGCGTCTGCGGGTGCGCCCTCCC
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GATTCTAA