

IDENTIFICATION

Species: *Ananas comosus*

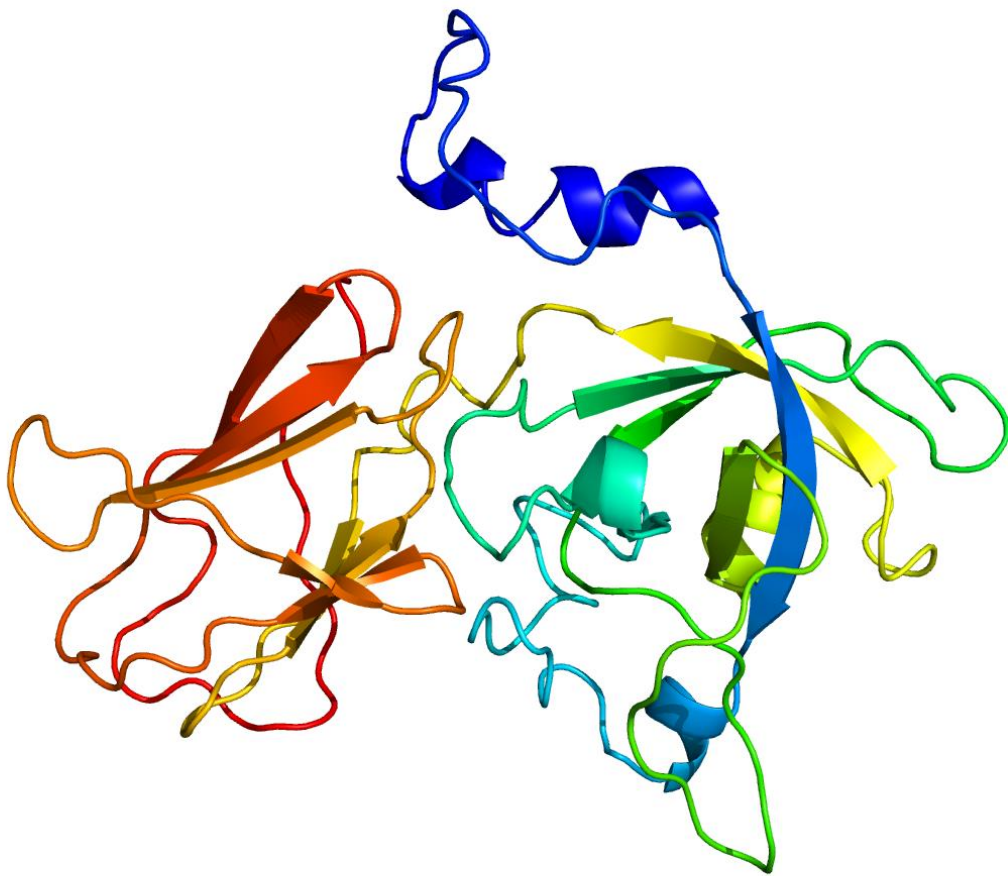
Locus: Aco015452

Gene Model: Aco015452.1

Description: AncEXPA-19

Family: Alpha Expansin

3D structure:



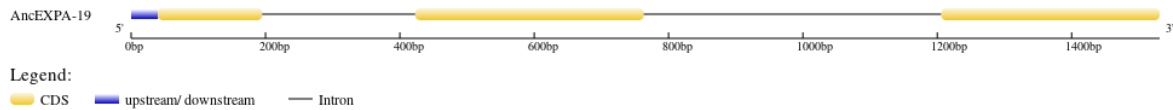
GENOME DATABASES

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

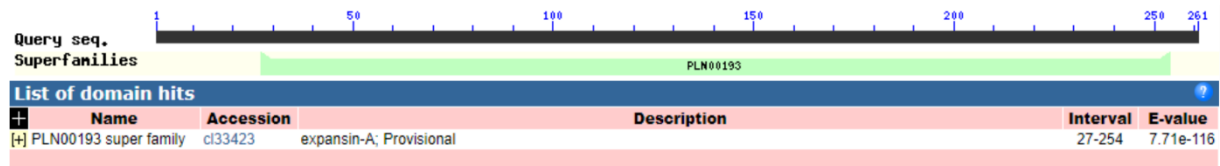
EXTERNAL RESOURCES

[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-19

MALLCFFFLGLFLLFVAPSTARIPGVYSGGPWQSAHATFYGGSDASGTMGGGYGNLY
SQGYGVETAALSTALFNEGQSCGFEEKCADEPQWCHNGSPSIFITATNFCPPNYALPSD
DGGWCNPPRPHFDLAMPFLHIAEYRAGIVPVSYRRVPCRKRGGIRFTINGFRYFNLV
LITNVAGAGDIVRASVKGSRTGWMAMSRNWQNWQSNVAVLVGQSLFRVITASDRR
TSTSWNVVPANWQFGQTFQGKNFRF*

CDS (coding sequence)

>AncEXPA-19

ATGGCTCTCCTCTGCTTCTTCTTCCTGGGTCTCTTCTCCTCCTGTTTGTGCGCCGTCG
CGCTCGCATTCCGGGAGTATTCCGGGGGGCCGTGGCAGAGCGCCCGCCCTTCTGG
CGGCAGCGGCCTCCGGCCATGGGAGGGGCGTGTGGATGGAATTGTAGCCAAGGA
TGCGGTAGAGGGCAGCGTTGAGCGGCGCTGTTCAATGAAGGGCAAAGCTGCGGC
GCGTGCTTCGAGATCAAGTGCGCCGGAGCCGAGTGGTGCCAGGCAGCCCTCCA
TTTTCATCGGCCCAATTTTTGTCCCCCGATGCGCTCCCCTCCGGGGTGGCTGGTGT
ACCGCCGGCCGCTTCGCTCGCCATGCCGATGTTCTCCATTGCCGAGTATCGCGCC
GGCATCGTCCCCGTCTCCTCGCAGGGTGCCTGCAGGAAAAGGGGAGGGATCCG
GTTCGATAAGGGTTCAGGTTTCACTGGTGCTGATAGAGTGCGGGAGCGGGGGAT
CGTGCGGGCGAGCGTGAAGGGGTTCGAGGGGGGTGGATGGCGATGAGCCGGATGG
GGCCAGATGGCAGTCGAGCCGTGCTGGTTCGGGCAGTCCCTCTCGTTCCGCGTCCG
CCAGCGCGCCGCACCTCCCTCCTGGAGTCGTCCCCGCCAATTGGCAGTTCCGGAGC
TTCCAGGGCAAGATTTAGGTTT

Nucleotide

>AncEXPA-19

AAAATTAATCAAATGGCTCTCCTCTGCTTCTTCTTCCTGGGTCTCTTCCTCCTGTT
TGTTGCGCCGTCGCGCTCGCATTCCGGGAGTATTCCGGGGGGCCGTGGCAGAGCG
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TGTGTGTATGTTTCTCCCTTATCTATATATGTTCTCCATTATATACATCTTTCTCTC
TGCTGTGCCTCTTCAATTGGAAATTTCTCTTAATATCCATATTCTTTATGTATTCTC
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AGGAGGGGGCGTGTGGATGGAATTGTAGCCAAGGATGGCGTAGAGGGCAGCGTTG
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CGCCGGAGCCGCAGTGGTGCCAGGCAGCCCCTCCATTTTCATCGGCCCAATTTTT
GTCCCCCGATGCGCTCCCCTCCGGGGTGGCTGGTGTACCGCCGGCCGCTTCGCTC
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CGCAGGTAGATAAGATTTATGCTATCGATAGTGCCAAGCGCTTATTTAATGAGT
TTCCGCGTAAAATCTTCCTTAAAATCATTTTTATTAGTTAGATCGTTATTCACCC
TTAATTATAAATGATCTATTATCCCACAGAATCTTGTCATATAAGGGTTCGAATTTA
ATCTAAATTCAAAGTTTTGAAGCTTTTGTATCTTGGATGCTCCAAATAAAATAG
GTGGAATCTATTGGGCCTTGGCTTTTCGTTTGGAGAAGTTTGGATCTGAATCCAAA
TTTGGTTTTGAGATGATTTGGTTTCAGCAAGTATATATATATATATTGGTCTTTGA
GGATGTAGTTTLAGATATATATGTGTATCTTTGTTGCGCATGCAGGGTGCCGTGCA
GGAAAAGGGGAGGGATCCGGTTCGATAAGGGTTCAGGTTTCACTGGTGCTGATA
GAGTGGCGGGAGCGGGGATCGTGCGGGCGAGCGTGAAGGGGTTCGAGGGGGGT
GGATGGCGATGAGCCGGATGGGGCCAGAACTGGCAGTCGAGCCGTGCTGGTCCG
GCAGTCCCCTCTCGTTCCGCGTCCGCCAGCGCGCCGCTCCCTCCTGGAGTCGTCCC
CGCCAATTGGCAGTTCGGAGCTTCCAGGGCAAGATTTAGGTTT