

IDENTIFICATION

Species: *Ananas comosus*

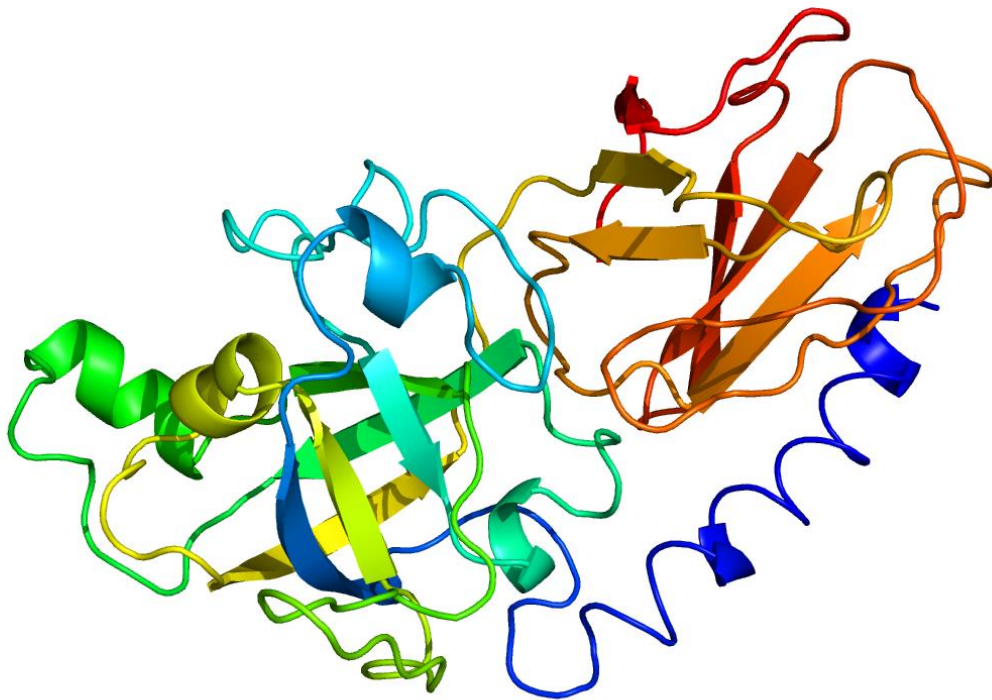
Locus: Aco023359

Gene Model: Aco023359.1

Description: AncEXPA-14

Family: Alpha Expansin

3D structure:



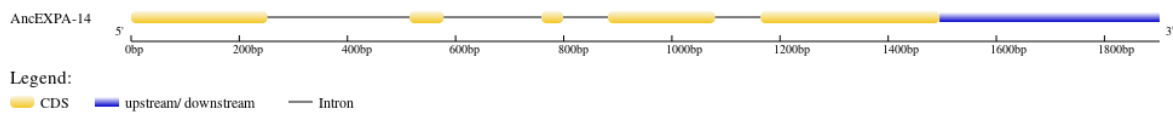
GENOME DATABASES

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

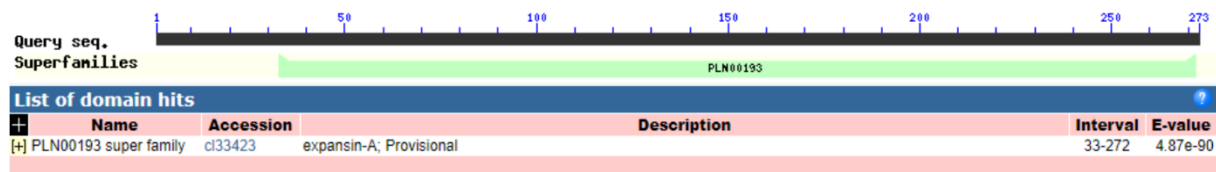
EXTERNAL RESOURCES

[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-14

MIAANICRVLPLLVLILLNTTSQLITVSVAQWVPATATFYGGSDASGTMGTCVSPHC
CIVYTPFLHNKHAPALSIVVDNTRSLQNMRLSAQLQLLQKRSLRIRELVQQQWCKPG
TYVTVTTTNFCPPNYNLPSNNDGWCNPPGQHFDMSQPAWESIAIYRGRIVPVFYRRV
LCQRNGGVRFTINRNDYFDLVLITSVGGSGVLSAVWIKGSGTGWIQMNRNWGQNW
QSNAYLRRQSLFRVQTADGRVLTAYDIAPSYWGFNTYTTNLQF*

CDS (coding sequence)

>AncEXPA-14

ATGATTGCTGCTAATCTGCCGTGTTTTGCCATTGCTAGTGTTGTTGATCCTCCTCA
CCTCTCAATTGATCTGTGTCCGTGGCGCAATGGGTCCCCCGCTGCCATTCTATGGA
GGCAGCGGCCTCGGGGTATGGGTGTGTGTCAGTCCAGCTGTATAGTGTATTCTT
TTTTATAAAATGCGCCGGCTGAGCATTGTAGTTGATATAGGAGCCTCCAAAATAT
GCGCCTATCGGCATAGCTTTTGCAAAAGCGGAGCTTGCGGATGGGATTGTAGCAG
CAGTGGTGCAAGCCGGCCTGTCCGTCCCCATTCTGCCCCCTATACTCCCCTCCA
AGATGGCTGGTGCAATCCCCCTGGCCAGCTTCGATGTCCCAGCCCGCATGGGAGT
CCATCGCCATCTCGCGGCAGAATCGTCCCCGTCTTCTCGCAGGGTTCTGTGCCAG
AGGAGGCGGGGTGAGGTTTCGATCAAGGAGTATTTTGATCTGGTGCTGATCCAGTG
TCGGAGGGAGCGGCGTGCTGTCTGCGGTGTGGATCAAAGGGTCGGGGAGGGTGG
ATAGATGAAGGATGGGGCCAGATGGCAAAGCAATGCATCTCAGGCGCCAGAGCC
TCTCCTTCCGGGTGCAGTGCCGGGCCGCGTCTCCGCCTGATTGCCCCCTCGTTGG
GGCTTCGGCAATCCACTCCAGTTCTAG

Nucleotide

>AncEXPA-14

ATGATTGCTGCTAATCTGCCGTGTTTTGCCATTGCTAGTGTTGTTGATCCTCCTCA
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CCAAAATATGCGCCTATCGGCATAGCTTTTGCAAAAAGTAATGTGCAAGTGAAGCT
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GGGATTAGCAGGCGCTGGCGGGTCTTGCGGGGCGTGCTTCCAGATCATGCGCGGA
GCAAGTCGCAGTGGTGCAAGCCGGGCCTGTCCGTCCCCATTCTGCCCCCTATAC
TCCCCTCCAAGATGGCTGGTGCAATCCCCCTGGCCAGCTTCGATGTCCCAGCCCG
CATGGGAGTCCATCGCCATCTCGCGGCAGAATCGTCCCCGTCTTCTCGCAGGTAA
AAGTCGTCGCTATCAGCATT CAGCGTATTTGAAAGCAAGTAGTGGAATTGAATTC
GATTGTTCTGCCGCAGGGTTCTGTGCCAGAGGAGGCGGGGTGAGGTTTCGATCAAG
GAGTATTTTGATCTGGTGCTGATCCAGTGTCCGAGGGAGCGGCGTGCTGTCTGCG
GTGTGGATCAAAGGGTCGGGGAGGGTGGATAGATGAAGGATGGGGCCAGATGGC
AAAGCAATGCATCTCAGGCGCCAGAGCCTCTCCTTCCGGGTGCAGTGCCGGGCCG
CGTCTCCGCTGATTGCCCCCTCGTTGGGGCTTCGGCAATCCACTCCAGTTCTAG
TCTGCTCAGTTCAGTTCCTTTTTCTTTCCCTTCTCTCTTTGCTGCTTTTCTTTATGTG
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CAGTAAGGAAAATCGCTATCCAAGCAATTA AAAAGTGCATCCCTTGGGTATAAAAT
ATTAAAGAG