

IDENTIFICATION

Species: *Ananas comosus*

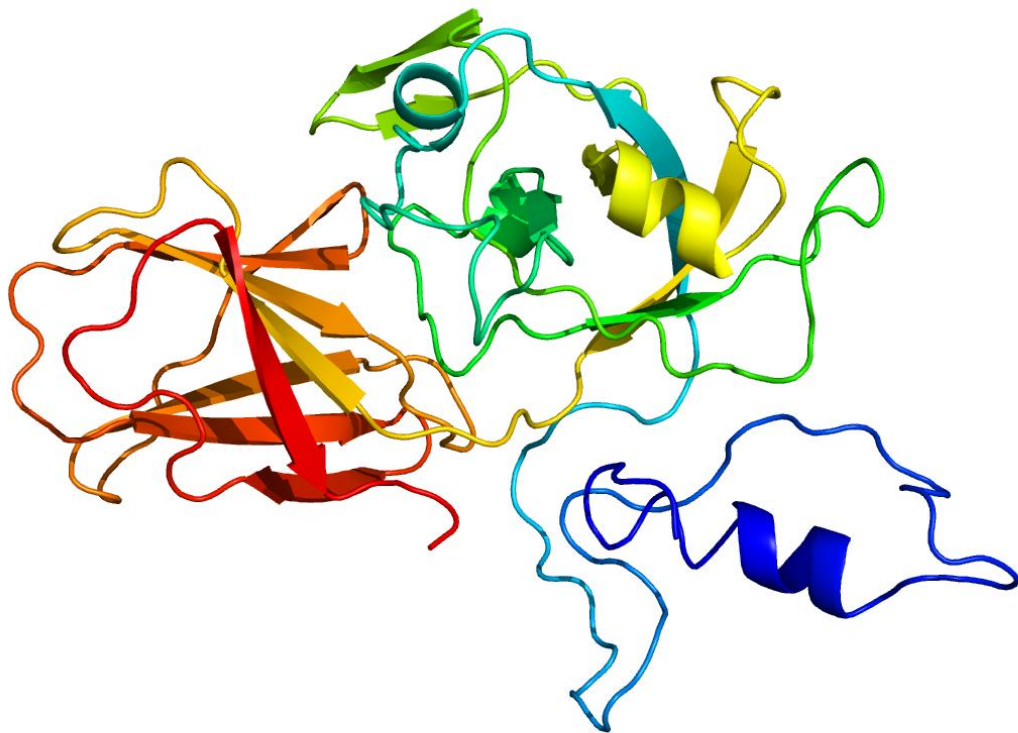
Locus: Aco010233

Gene Model: Aco010233.1

Description: AncEXPA-21

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

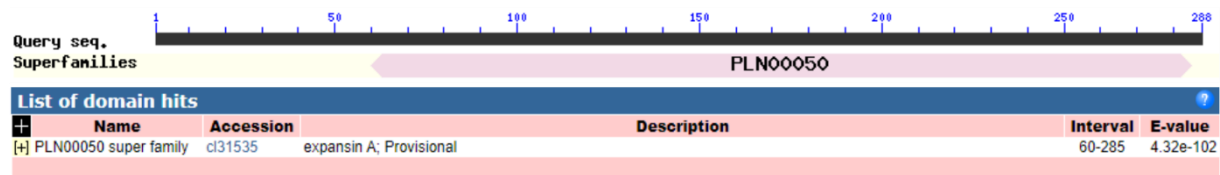
EXTERNAL RESOURCES

[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-21

MAVLSYSLPLLSMLVLFVLGSGFGEAQGIVNARGIHPRGQVLPHPVKHNHGKFMA
GPWNFAHATFYGGSDGSETRGGACGYEDTVSQGYGLQTAALSALFNNAETCGFEI
KCVDDQWCKPGQPSIVVTGTNHCPPNYLPSDNGGWCNPPRTHFDLAMP AFLQIA
EYKAGIVPVTYRRVPCRKEGGIRFTMKG NRYFNLILVWNVAGAGDVHAVLVKGNKL
GWTAMTRNWGQYWQTSEDLTGQSL SFRVITGDHRKSTSWHVTPRDWQFGQTYQG
KNFRY*

CDS (coding sequence)

>AncEXPA-21

ATGGCCGTGCTCTCGTATTCCTTTTCCCTTGTGTCGATGCTTGTGCTCTTTGTGCT
TGGTTCTGGATTCGGCGAGGCGCAAGGCATTGTTAATGCGCGGGATTCATCCCCG
CGCCAAGTTTTGCCTCATTTCCTCGTCAAATCGGCAAGTTCATGGCCGGTCCGT
GGATTTGCTCATGCCCTTCTATGGAGGCTCTGATGGCTCCGAAAAGAGGAGGAGC
ATGCGGGTATGAGGGGTGAGCCAGGGCTGGGCTGCAGGGCGGCGCTGAGCGCGG
CGCTGTTTAAGCCGAGATGCGGTGCGTGCTTCGAGATCAAGTGCGTCGGCAGCAG
TGGTGCAAGCCCGGGCACTTCGATCGTCGTGACGGGGCACTGTCCCCCGATTCTC
CCGAGCGAGGCGGCTGGTGCACCCCCTCGCCCTTCGCTTGCCATGCCCGCGTTCC
TCCAGATCGCCGAGTAAGGCTGGAATCGTCCCCGTCTATCGCAGGGTGCCGTGC
AGAAAGGAAGGTGGGATAAGATTCGATGAAAGGGACGCTTTC ACTGATCCTGGT
GTGGAGTGGCCGGGGCCGGGGGTGCGCGGTGCTCGTAAAGGGAAAAGCTAGGGT
GGGGCGATGGAGAATGGGGCCAGTTGGCAACTCCGAGGTTGGGGAGTCTCTTTC
GTTTCGAGTTATCCGGCGATCATCGGAAGTCCCTCCTGGCACGTCGCCGCGGGAT
TGGCAGTTCGGA ACTCAGGGCAAGAATTT CAGATTAG

Nucleotide

>AncEXPA-21

ATGGCCGTGCTCTCGTATTCCTTTTCCCTTGTTGTCGATGCTTGTGCTCTTTGTGCT
TGGTTCTGGATTCGGCGAGGCGCAAGGCATTGTTAATGCGCGGGATTCATCCCCG
CGGCCAAGTTTTGCCTCATTTCCTCGTCAAATCGGCAAGTTCATGGCCGGTCCGT
GGATTTGCTCATGCCCTTCTATGGAGGCTCTGATGGCTCCGAAAAGAGGTAATAA
TGAGCTTAATTTCTTTCTAATGAATTGCATAGCAATCTCTGCGTCTTAGCGTAGCT
AGAAAATATATATGTAGGAGGAGCATGCGGGTATGAGGGGTGAGCCAGGGCTGG
GCTGCAGGGCGGCGCTGAGCGCGGCGCTGTTTAAGCCGAGATGCGGTGCGTGCTT
CGAGATCAAGTGCGTCGGCAGCAGTGGTGCAAGCCCGGGCACTTCGATCGTCGTG
GGGGCAACCTGTCCCCGATTCTCCCGAGCGAGGCGGCTGGTGCACCCCTCGCC
CTTCGCTTGCCATGCCCGCGTTCCTCCAGATCGCCGAGTAAGGCTGGAATCGTCC
CCGTCCTATCGCAGGTAAAAAATGTCCATGGAATGGAATGTATGAGTTATATATA
TGTATGTAAATATTTCTTCAAAAATATGCGCGCGCGTATGGTGTTCAGGGTGCC
GTGCAGAAAGGAAGGTGGGATAAGATTCGATGAAAGGGACGCTTTCAGTATCC
TGGTGTGGAGTGGCCGGGGCCGGGGGTGCGCGGTGCTCGTAAAGGGAAAAGCTA
GGGTGGGGCGATGGAGAATGGGGCCAGTTGGCAACTCCGAGGTTGGGGAGTCTC
TTTCGTTTCGAGTTATCCGGCGATCATCGGAAGTCCCTCCTGGCGTCGCCGCGGG
ATTGGCAGTTCGGAACCTCAGGGCAAGAATTTTCAGATTAG