

IDENTIFICATION

Species: *Ananas comosus*

Locus: Aco001634

Gene Model: Aco001634.1

Description: AncEXPA-16

Family: Alpha Expansin

3D structure:



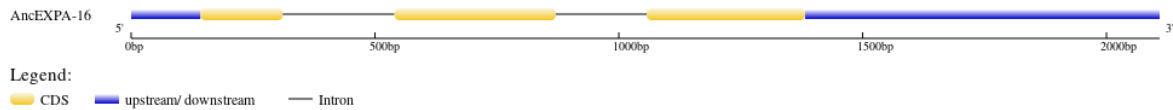
GENOME DATABASES

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

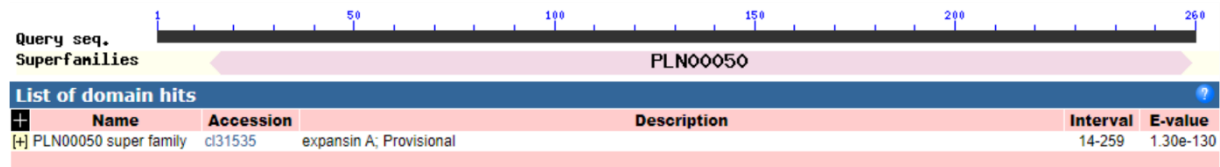
EXTERNAL RESOURCES

[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-16

MAPTMNGVVLYNALVYFLASLCFLAPGAFGYSSGWQNAHATFYGGGDASGTMGG
GYGNLYSQGYGTNTAALSTALFNGLSCGYEMRCADDPQWCLPGSLIVTATNFCPP
NYALPNDNGGWCNPPLQHFDLAEP AFLQIAQYRAGIVPVSFRRVPCARKGGIRFTING
HSYFNLVLTNVGGAGDVRAVSIKGSRTGWQAMSQNWGQNWQSNAYLDGQSLSF
QVTTSDGRTVASYNVAPAGWQFGQTFEGGQF*

CDS (coding sequence)

>AncEXPA-16

ATGGCCAATGAGGAGTAGTTCTAATGCTCTTGTGTTTCCTCGCTTCTTTATGTTT
CTTGGCCAGGAGCCTTCGGGTTCCTCTGGATGGCAAATGCTCATGCTTTTCTGGC
GGCGGCGGCGTCGGGAAATGGGAGGGGCGTGTGGATATGGCACTCTAGCCAGGG
GTGGGGACGCGGCCCTCAGCCGCGTTGTTCAAATGGGCTCAGCTGCGGGGCTTGT
TGAAATGCGGTGCGCCGGATCCTCAGTGGTGCCTTCCAGGCTCCCTCATAGTCCG
CCCAATTTTGGCCCCGAATTGCCCTCCCGAGAGGCGGCTGGTGCAATCCTCCTC
TCCAGCTTTGATCTCGCCGAGCCCGCCTTCCCTTCAAATAGCAATCGCGCCGGCATT
GTGCCCGTCTCCTTCCGCAGGGTGCCTGTGCGAGGAAGGGAGGAATAAGGTTTCG
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GTGTCGATCAAGGGGTGCGCGGGGTGGCAGGCAATGTCCCAAATGGGGCCAGA
TGGCAGAGCAGCGTCTCGGGCCAGAGCCTCTCCTTCCAGGTCCAGCGGGCCGCC
GTCGCCAGCTAGTCGCGCCCCGCCGGGTGGCAGTTCGGCCAGCTTCGAGGGAGGCC
AATTCTAA

Nucleotide

>AncEXPA-16

AGTTAATTACCATTTGTGTTATAAATCCCTCTCCTCTTCCCCAATTAAAGCATCAG
AAGCCATCATTCTCTCTTAATCATTCCCTAATTATTTAGATTTTTCCCCCGCTATGG
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CCAGGAGCCTTCGGGTTCTCTGGATGGCAAATGCTCATGCTTTTCTGGCGGCG
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GAGCCCGCCTTCTTCAAATAGCAATCGCGCCGGCATTGTGCCCGTCTCCTTCCGC
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TTTAGGGTGCCCTGTGCGAGGAAGGGAGGAATAAGGTTTCGATAAGGCCTCCTTTC
ACTGGTGTGCTGCTCGAGTGGGCGGGGCGGGGGTGC
GCGCGGTGTCGATCAAGGGGTTCGCGCGGGG
TGGCAGGCAATGTCCCAAATGGGGCCAGATGGCAGAGCAGCGTCTCGGGCCAGA
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