IDENTIFICATION

Species: *Ananas comosus*

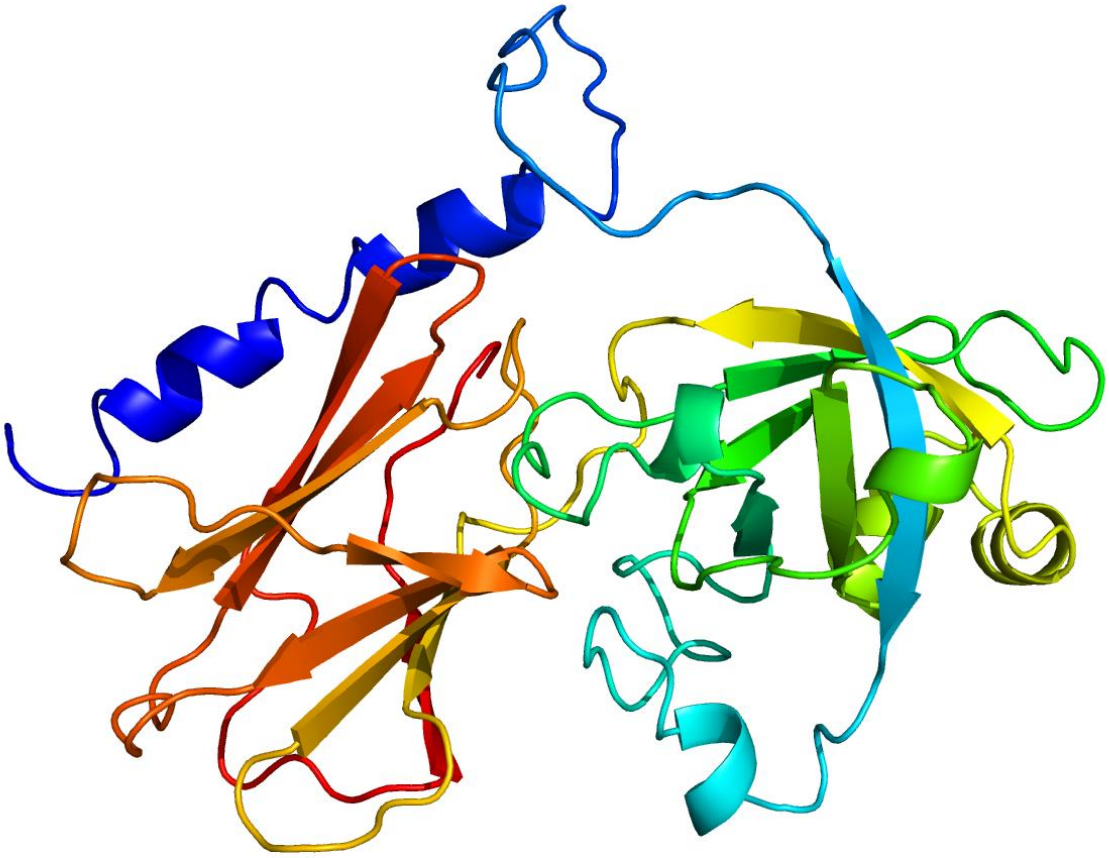
Locus: Aco011717

Gene Model: Aco011717.1

Description: AncEXPB-06

Family: Beta Expansin

3D structure:



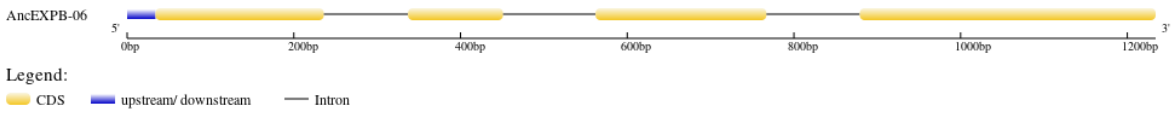
GENOME DATABASES

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

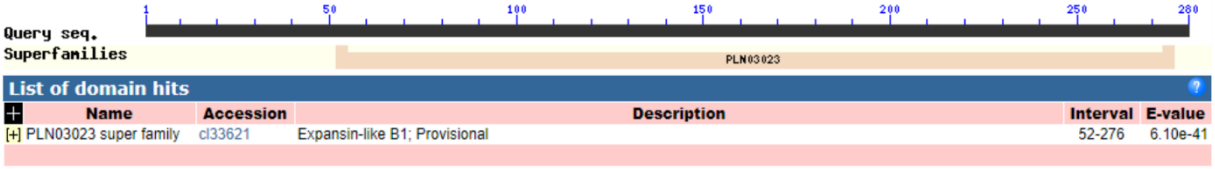
EXTERNAL RESOURCES

http://pineapple.angiosperms.org/pineapple/html/index.html#:~:text=The%20PGD%20(Pineapple%20Genomics%20database,genomics%20and%20CAM%20pathway%20genes..

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>AncEXPB-06

MAPLPHLFSSSIFLLILSLFSLSLINPCFCFHPKKLSNYTYTNPSAWSSGGATWYGSPLG
AGSDGGGYQDAVDKPPFSSMIAAGSPSIFKSGKGCGYQVKCTGNASESPVTVVVTDE
CPGGPCLDEPAHFDMSGTAFGAMARPGQADQLRNAGRIQIQYSRVECNYHGIDVAF
HVDGGSNPNYFAVLIEYEGGDGDLAAVDIMQQGSTSWVPMQQSWGAVWRLNSGPA
MRPPFSLRLTSGKSDNTLVAKNVIPAGWCAGATYRSVVNYST*

CDS (coding sequence)

>AncEXPB-06

ATGGCTCCTCTTCCTCCTCTTCTCCTCTTCTATTTTTCTCCTTATTCTCTCCTTATTT
TCGCTCTCTCATTAATCCCTGCTTTTGTTTCCCCAAAGAAGCTCTCGATATATATC
ACCCTCAGCTTGGTCTAGTGGTGGAGCCCTGGTGGAAGCCCATTAGGAGCGGGGA
GTGGGTGGTGCTTGTGGGTCAAGATGCGGTCGATAAGCCGCCGTTCTCGTCAATG
ATAGCTGCAGGAAGCCCTTCGATATTCAAGTCCGGGAAGGGCTGCGGGGCTTGTT
ATCAGGTGAAATGCGGGCAATGCGGCATGTTCGGAGAGCCCGGTGCGTCGTGGT
CCGGAATGCCCCGGCGGGCCGTGCCTCGGACCGCGCTTCGATGAGCGGGCGCGTT
CGGAGCCATGGCGAGGCCAGGCCAAGCCGATCAGCTTCGAAGCCGGAAGGATCC
AAATAGTAGCAGGGTGGAGTGCATCGGGATCGGTCGCGTTCCATGTGGGGAGGT
TCGACCGATTTCGCCGTTTTGATCGAGTGAGGGAGGCGGGCGCTCGCGGCGGTCG
ATATCATGCAGCAGGGATCGGTCGTGGGTTCCGATGCAGCAGTCGTGGGGCGCCG
TCTGGAGGCTGAATTCCGGTCCGGCGATGCGCGCCGTTCTCGCTGCGTGGTCGGG
GAAATCCGACCTCGTCGCGAAGAGTGATTCCGGCCGGGTGGTGCGCCGGCGCGCT
CGCTCCGTGGTGATAGCCTAA

Nucleotide

>AncEXPB-06

CCTTCTCCTTGCTGAGTATAAGCCAATGGCTCCTCTTCCTCCTCTTCTCCTCTTCTA
TTTTTCTCCTTATTCTCTCCTTATTTTCGCTCTCACTCATTAATCCCTGCTTTTGTTT
CCCCAAAGAAGCTCTCGATATATATCACCCTCAGCTTGGTCTAGTGGTGGAGCCC
TGGTGGAAGCCCATTAGGAGCGGGGAGTGGGTATAAATATGTATCATCTGTATAT
CTATATATATGTATGTAGCTTGATCTCTCTCTCAATGTGTGCATATATATATATAT
ATATATAGGTGGTGCTTGTGGGTCAAGATGCGGTCGATAAGCCGCCGTTCTCGTC
AATGATAGCTGCAGGAAGCCCTTCGATATTCAAGTCCGGGAAGGGCTGCGGGGC
TTGTTATCAGGTCCGTAAGAATAATCGTTTTTTCTCTAAAATTGAGTTTTCTGAAA
ATGTTGGCTAATCTGCGTTATATGTCTATGAATATAAGGTGAAATGCGGGCAATG
CGGCATGTTCGGAGAGCCCGGTGCGTCGTGGTCCGGAATGCCCCGGCGGGCCGTG
CCTCGGACCGCGCTTCGATGAGCGGGCGCGTTCGGAGCCATGGCGAGGCCAGGC
CAAGCCGATCAGCTTCGAAACGCCGGAAGGATCCAAATAGTAGCAGGTGCGAAT
TGAATCTGCGTGCTGATAAAATATCGAGCTCAAAATAAGAATTTGGAAAATTAAA
GAATAAATTTTAATTGTTTCCATGGTTTGTTTTGCAGGGTGGAGTGCATCGGGATC
GGTCGCGTTCCATGTGGGGAGGTTCGACCGATTTCGCCGTTTTGATCGAGTGAGG
GAGGCGGGCGCTCGCGGCGGTCGATATCATGCAGCAGGGATCGGTCGTGGGTTC
CGATGCAGCAGTCGTGGGGCGCCGTCTGGAGGCTGAATTCCGGTCCGGCGATGCG
CGCCGTTCTCGCTGCGTGGTCGGGGAAATCCGACCTCGTCGCGAAGAGTGATTCC
GGCCGGGTGGTGCGCCGGCGCGCTCGCTCCGTGGTGATAGCCTAA