IDENTIFICATION

Species: *Ananas comosus*

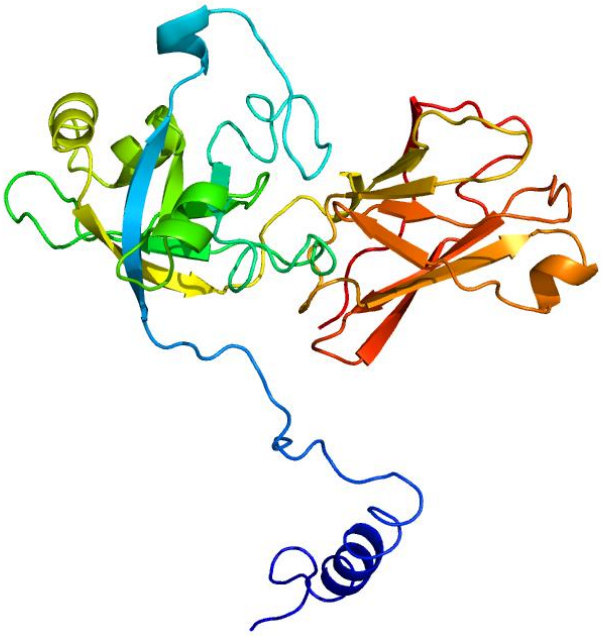
Locus: Aco012813

Gene Model: Aco012813.1

Description: AncEXPB-02

Family: Beta Expansin

3D structure:



GENOME DATABASES

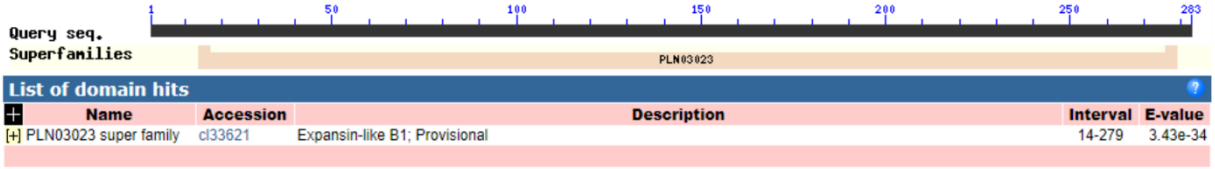
Phytozome: https://phytozome-next.jgi.doe.gov/info/Acomosus_v3

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



Name	Accession	Description	Interval	E-value
[+] PLN03023 super family	cl33621	Expansin-like B1; Provisional	14-279	3.43e-34

SEQUENCES

Peptide

>AncEXPB-02

MALPLHKQASSIVYYIALLALISLFNSCSCSEYKRLNYSDAPSSWGPASVTWYGAPTG
AGPDDNGGGCGFKNVNLPPFSSMTGNPTIFKSGKGCGYQVKCTSHPSGKPSTITITDL
DGVCLDAPVHFDMSGTSFGSMAQPGREDELRHAGKLQIQYTRVPCNYPGLNIAFHVE
EGSNPVYFAILIEYEDGDGDLASVDLMEGAGPTAGTWTPMRESWGAIWRLDSDHAL
QGPFSIRLSTLTSGKTLVASNVIPADWQPLSTYRSIVNYSN*

CDS (coding sequence)

>AncEXPB-02

ATGGCTCTTCCTCTTCAAAAGCCTCCTCCATAGTTTTATTGCTTTGCTTGCATTAAT
CTCTGTTCAATTCTTGTTCTTGTTCTGAGTAAAAGATTAATTCCGATGCTCCCTCG
AGCTGGGGTCCGGCGAGCGTGCTGGTGGTGCCCCGGTGCCGGCCGGATAATGGT
GGTGGATGTGGCTTCAAAAATGTGACTCCCCCTTTTCATCAATGAGCATGTGGGA
ATCCTTATATTCAAATCCGGAAAAGGATGCGGAGCTTGCTATCAGGTGAAATGCG
AGCCATCCCGCCTGCTCCGGCAACCTCGCATCCATCCGGCATGCCTCGGGAGTCT
GCCTCGGCCCGTCCATTTCGATGAGCGGGGTCGTTCGGGTCCATGGCGCAGCCCG
GCCGTGAGGGAGCTTCGCCGCAGGAAAGCTCCAAATAATTCGAGTGCCCTGCATC
CGGGTCAATAGCCTTCCGTCGAGGAAGGCTCGACCGGTCTTTTGCGATCCTGATC
GAGTGAGGGGGGGGAGCTGGCATCGGTTGCTCATGGAGGGCGCCGGCCCTCGCA
GGCGTGGTCCGATGCGCGAGTCGTGGGGCGCGATATGGCGGTTGGATTCGGCGC
GTTGCAGGGCCCGTTCTCGATCCGGCTCTCCTCTCTTCCGGGAAGCCTCGTCGCCT
CGAGTCATTCCGGCCGTGGCACCCTCTCGATCGGTCCATCGTGATAGCATAG

Nucleotide

>AncEXPB-02

CCCCATTAATCTATATTCTCCAATTAATTGCCTCTTTTGCTCAGTGAAAGAGCCCC
ATCAGTATGGCTCTTCCTCTTCAAAAGCCTCCTCCATAGTTTTATTGCTTTGCTTGC
ATTAATCTCTGTTCAATTCTTGTTCTTGTTCTGAGTAAAAGATTAATTCCGATGCT
CCCTCGAGCTGGGGTCCGGCGAGCGTGCTGGTGGTGCCCCGGTGCCGGCCGGATA
ATGGTAATATATATATATGTTTGTGTGTGTATAATCTCCTTAATTTGTTCGATATTT
GAGGTAGAAATGGTTTGTAAAGAGAGAATTTTTTTTTTTTTTTTTATTATTGTGGG
TGTATAAATAGGAGTTGTGTAGTTGAATATTGGATAATTGGTAATTAGTTTCTTAA
CAGGTGGTGGATGTGGCTTCAAAAATGTGACTCCCCCTTTTCATCAATGAGCATG
TGGGAATCCTTATATTCAAATCCGGAAAAGGATGCGGAGCTTGCTATCAGGTCAA
TTTAGATGTAATTTGTTATTTAAAATCTCAAATCTAGCTATAAGTGTGTTAAATCC
GCTTATAATCAAATTAATTAAAAATAATCAGGTGAAATGCGAGCCATCCCGCCTG
CTCCGGCAACCTCGCATCCATCCGGCATGCCTCGGGAGTCTGCCTCGGCCCGTCC
ATTTCGATGAGCGGGGTCGTTCGGGTCCATGGCGCAGCCCGGCCGTGAGGGAGCT
TCGCCGCAGGAAAGCTCCAAATAATTCGGTGAGTATTCGTACGTCCAACTAGTAT
TCCAGAAATAAGATCAGAGTTGAGCTAAAGAGGTCGTAAGTTCAATCCAGCCTG
AATAGAAATGTGAGCCAATTAGGTAAACTCCCCGATTTGTTTAAATTCGCAGAGT
GCCCTGCATCCGGGTCAATAGCCTTCCGTCGAGGAAGGCTCGACCGGTCTTTTGC
GATCCTGATCGAGTGAGGGGGGGGAGCTGGCATCGGTTGCTCATGGAGGGCGCC
GGCCCTCGCAGGCGTGGTCCGATGCGCGAGTCGTGGGGCGCGATATGGCGGTTG
GATTCGGCGCGTTGCAGGGCCCGTTCTCGATCCGGCTCTCCTCTCTTCCGGGAAGC
CTCGTCGCCTCGAGTCATTCCGGCCGTGGCACCCTCTCGATCGGTCCATCGTGATA
GCATAGTTCCAGTAATTGTCCCAAAAATGAATCGAGCTATATAAGAATTAATGTC
AAGCTCTTATGGCTTATATTAATTAGTTATTGTGTGGTGGCGCAAGTGTTATCTCC
AAAAGGAATAAAAGATTGTAGAAATTAAGAAGAGGAGGCGCTTGCGTGCCCTCC
CCTCCGTCGCTATCATCAATGTGCTTACTTTTTTTTTTTTC