

IDENTIFICATION

Species: *Ananas comosus*

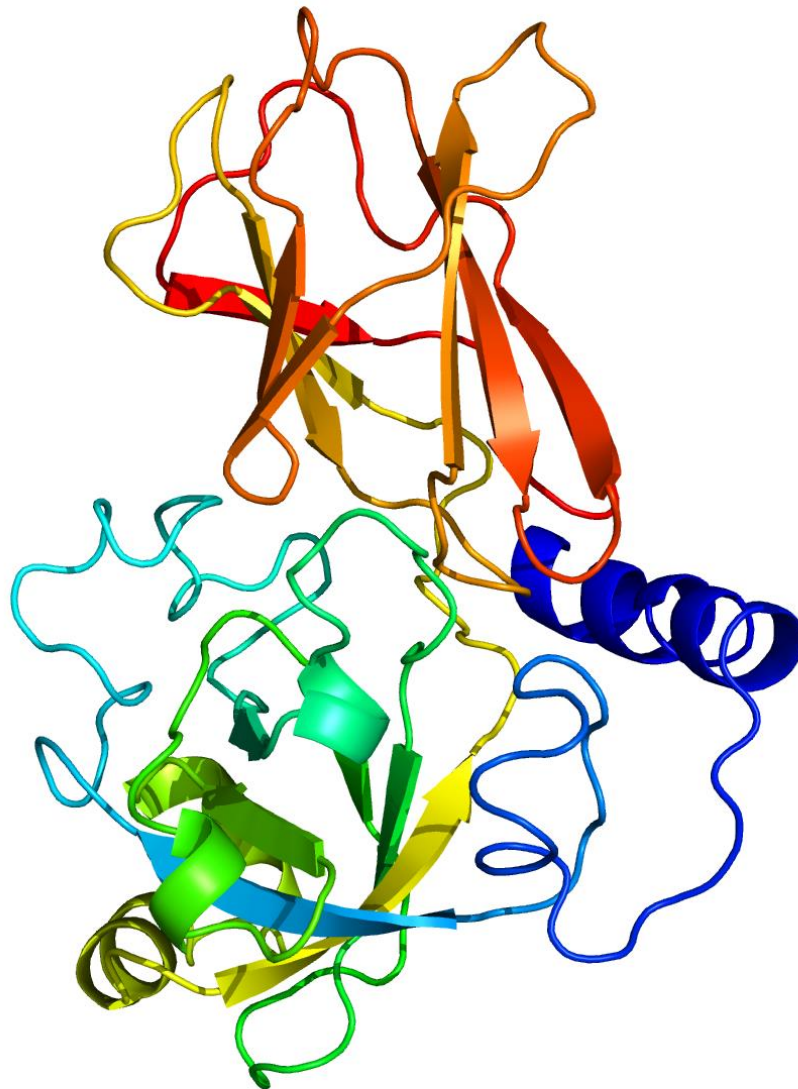
Locus: Aco012815

Gene Model: Aco012815.1

Description: AncEXPB-04

Family: Beta Expansin

3D structure:



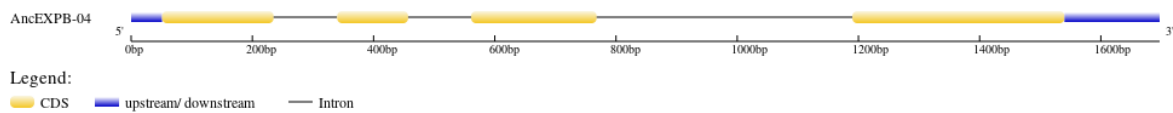
GENOME DATABASES

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

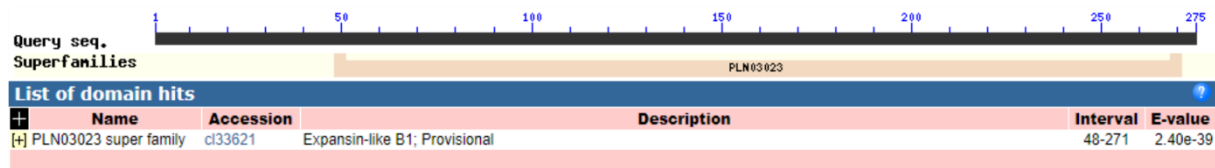
EXTERNAL RESOURCES

[http://pineapple.angiosperms.org/pineapple/html/index.html#:~:text=The%20PGD%20\(Pineapple%20Genomics%20database,genomics%20and%20CAM%20pathway%20genes..](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-04

MALSFVSVFVFAFSALFSLFINPGFNRLFDYSSAAASSGWSTGGATWYGSSNGAGSD
GGGYQNAVDQPPFSSMIAAGSPSIYNSGKGCYQVKCTANSTCSGNPVTVVITDECP
GGPCLAEPVHFDMSGTAFGAMALSGKADQLRNVGVVLQIQYTRVQC�FPGVDITFRV
DSGSNSNYFAVLIVYVGGDGLQAVDLMQGGSTWESMEHSWGA VWMLNPGSTL
QAPFSIRLTSGTSGKVLVANNVIPVGWQPGATYRSVVNYSS*

CDS (coding sequence)

>AncEXPB-04

ATGGCGCTCTCCTTCGTTTCCTTTGTTTTTCGCTTTCTCAGCTTTATTCTCTCTTTATA
ACCCGGTGCATGCTTCAATCGTAAGCTCTTTGTATTCATCTGCTGCGGCGTCCTCT
GGCTGGTCTGGGAGGAGCGGTGGTATGGGAGCTCTAATGGCGCCGGAAGTGGGT
GGTGCTTGCGGGTATCAAACGCAGTGGATCAGCCTCCGTTCTCTTCCATGATCG
CAGCTGGGAGCCCTTCTATATATCGGGCAAGGGCTGCGGGGCATGTTCAGGTGAA
GTGCTGCAAATTCCGTGCTCTGGTAATCCGGTGTGTCGTGATCCGGAATGCCAG
GTGGCATGCCTAGCTGAGCCCGTCCTTCGATGAGCGGGTGCATTCGGAGCCATGG
CTCTTTCCGGCAAAGCCGATCAGCTCCGCAATGTCGGAGTTGCAAATAGTTCGCG
TGCAGTGCATTCCCAGGCGTCGATCCTTCCGCGTCGTCGGGCTCGATCGATTTTGC
CGTCCTGATCGTGTGTAGGCGGAGATGGTGATCTCCAGGCCGTCGATTTGATGCA
AGGAGGATCGAGCGTGGGAATCGATGGAATTCATGGGGCGCGGTGTGGATGCTG
ACCGGGCTCCGCTAAGCTCCGTTCTCGATCCGGCTCATCGGGAATCCGGGAAAGT
GCTTGTGGCTAAGTGATTCCGGTCCGGTGGCAGCCCGGGGCGGTATCGGTCCGGT
GTGATATAGCAGCTAA

Nucleotide

>AncEXPB-04

CATCTTCTTATAAAATTTAATTCCTCTTCTGTCCTATAAAGCAATGGCGCTCTCCTTC
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TCAATCGTAAGCTCTTTGTATTTCATCTGCTGCGGCGTCCTCTGGCTGGTCTGGGAG
GAGCGGTGGTATGGGAGCTCTAATGGCGCCGGAAGTGGGTGTATGTGCGCATAT
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TCTCTTCCATGATCGCAGCTGGGAGCCCTTCTATATATCGGGCAAGGGCTGCGGG
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AGTATATATATTGGTCGTTTTCTTTTTATATGAATATTTTTTCAGGTGAAGTGCTGCA
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CCTAGCTGAGCCCGTCCTTCGATGAGCGGGTGCATTTCGGAGCCATGGCTCTTCC
GGCAAAGCCGATCAGCTCCGCAATGTCGGAGTTGCAAATAGTTCGGTAAGCATT
CATATGTCCGATTTTGTGTTGAATAAGCTAGGGGTAATATTTAAGAAAGTATTATTT
GAGTTTTTTTTTTTTTTGAAAAAAATTTATTAGAGATGTATATAGTAAAAATAGGG
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TGTATGCGTCTAAGGTTTCGTGAGTTATGCAAAATATTGTCCTTAGCCGTAGCCTAT
CGTGCATTAATGCTATATATGCGGTTTATAAATTTCCCGGATTTAATTAGTAGT
TTAGCGTATATAAAAATTTGAAAAGAAGAAATCCTTGGCTTTGCAGCGTGCAGTG
CATTCCCAGGCGTCGATCCTTCCGCGTCGTCGGGCTCGATCGATTTTGCCGTCTTG
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TCGAGCGTGGGAATCGATGGAATTCATGGGGCGCGGTGTGGATGCTGACCGGGC
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TATCAGGGGTCTGATTATATTTATGTATGCCTAGATGCTAAGTGTGG