

IDENTIFICATION

Species: *Ananas comosus*

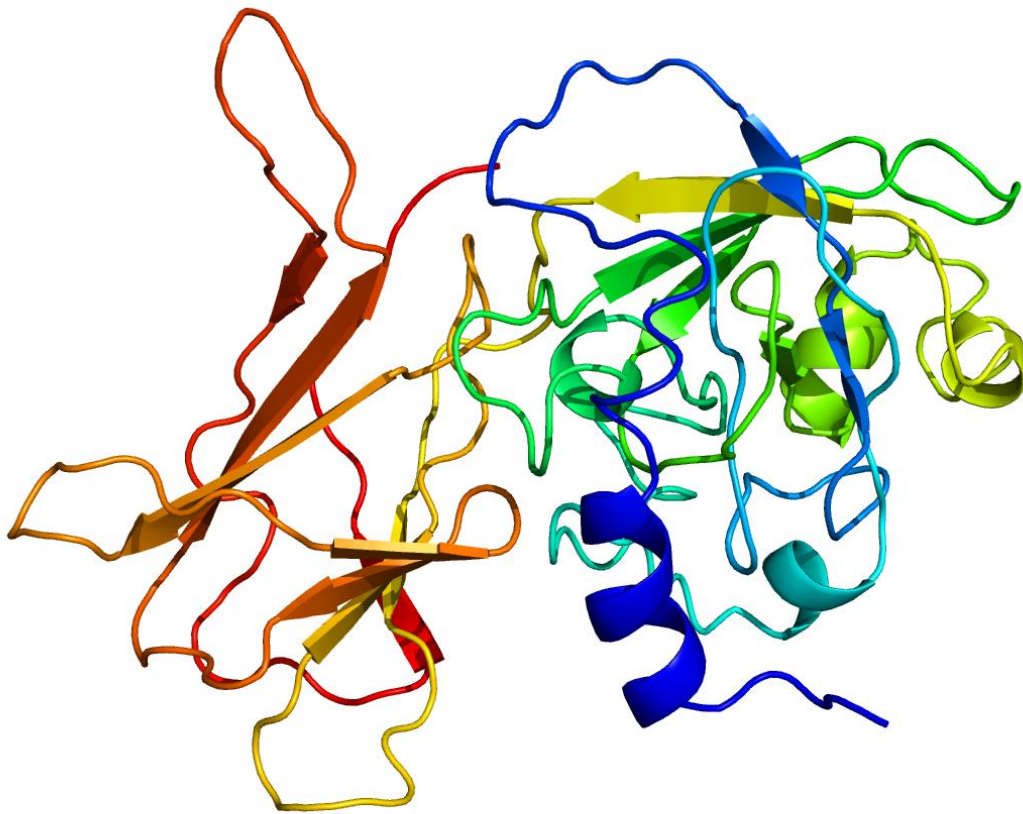
Locus: Aco016572

Gene Model: Aco016572.1

Description: AncEXLB-01

Family: Expansin Like Beta

3D structure:



GENOME DATABASES

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

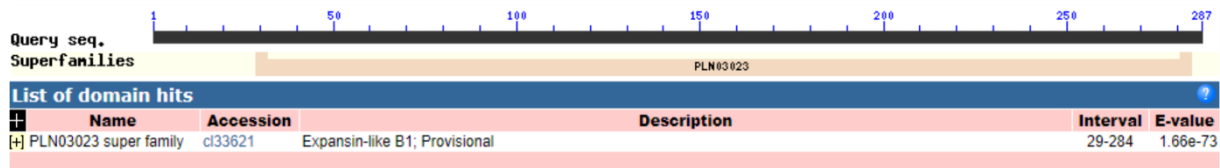
EXTERNAL RESOURCES

[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

>AncEXLB-01

MALPLQYLLLVLALLFLPMAMADSCSDCFVQSRAAYYPNSDQEGTESEMPFYTT
SSDLSMLFYFDETSAGEYGA YGATLNGGDVSAASNLYRNGVGGYQVRCTNSDLCS
TDGVTIVITDSGSSDNTDFILSQHAFKMGQTPDAGASLLALGAVGIEYRRVPCSY PQ
KNITIKIDNSSNFPYYLAFQIWYQQGDKDITAVQLCETVNLTKLLDRSHGAVWAVV
SPPTGPLSVRMLLSGNDDDDDDDET WVVPTNTIPQNW TAGAIYDSGVQVSNS*

CDS (coding sequence)

>AncEXLB-01

ATGGCTCTCCCTTCAATATCTTCTTCTTGTTCCTCCTTCCTGCTTCTATTCTCTA
TGGCCATGGCAGATTCATGTAGCGTGCTTCGTGCAGTCGCGAGCAGCATTATCCC
ATCTGATCAAGAGGGTAGAGAGTGAAATGCCCTTCTATATTCCTCTGATCTCTCA
ATGCTGTTCTTTCGATGAATTCAGCTGGTGCATGTGAATGGCGCATGGAGCATT
ATGGTGGGGATGTCTCTGCCGCCTCCAATCTCTAGAAATGGTGTGGGTGTGGTG
CGTGCTATCAGGTGCGATGCCAATAGCGTTATGCTCGCGGGTGTGAATTGTGATC
AGATTCGGGTCTAGCGAACTGTTCAATTTAGTCAGCATGCATTTGCTAAAATGGG
TCAGCCGATGCTGGTGCTTCTTCTTGCCCTAGGTGCCGTTGGCATTGAGTCGGAGG
GTTCCCTGCAGCTCCAAAAGAATCCATCAAGATTGATAAGCAGCATTCCCCTATT
ATTTGGCCTTCCAGATATGGTATCAAGGGAGAAGGATCAGCTGTGCAGCTATGTG
AGTGTGATTAATGCAAGCTCCTGGAGGAGCCGGAGCAGTGTGGGCGGTTCGTATCT
CCTCCGTGGGCTCTATCCGTAAGGATGCTTAAGTGGGAATGATGATGATGATGA
TGATGATGAGATGGGTGGTCCCTAACATCAA AATTGGAGCCGGAGCTATCTATGA
TTCAGGCGTAAGTCAGCAAGCTAA

Nucleotide

>AncEXLB-01

ATGGCTCTCCCTTCAATATCTTCTTCTTGTTCCTCCTTCCTGCTTCTATTCCTCTA
TGGCCATGGCAGATTCATGTAGCGTGCTTCGTGCAGTCGCGAGCAGCATTATCCC
ATCTGATCAAGAGGGTAGAGAGTGAGTAATCCATATGTATGCATGCAATAGAAA
AGATTCTCACTATGAATATAGAATATAGATTTGTATATATTTATGGCTAATTATTA
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GCAAGAAGTCAATTTTATGTTGTTCTCGATTAATTATATAGTAATTTATCATAATC
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TCCTAGGTTGTATAGCATTATCTGGTTTCCAGTAATGTCTAATTTGTAAGCATTCT
TTTTGCTATTGCATTTTCGCAAAAAAAGGGTGATCAAATGAGTTATCCCCTGTTCT
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TCTCATGTTTAGGCTTGAATATTGTGGCAAAGGAATATATTATAAAGGAAATTCT
CCAAATAAATAAAGGAGGAAATTCTCTGAAATAAATCATAGATGGTTCATCTGAT
GGAATCTGAATTCAGTTGAAGAAATTATTTCTCTAAAAGCCTAAGTTGGTAGAG
AAATGAATGAGCAATTATTCAAAAATTTGTAAAGAATGCCCTTCTATATTCCTCT
GATCTCTCAATGCTGTTCTTTCGATGAATTCAGCTGGTGCATGTGAATGGCGCATG
GAGCATTAAATGGTGGGGATGTCTCTGCCGCCTCCAATCTCTAGAAATGGTGTGGG
TTGTGGTGCGTGCTATCAGGTGATGTAATCTTAAGAGCATCTATCCATTTTATATC
TTCTGTAAAATGTTAAATTTTTGAAAAAATTTCAATGGTTCATTCCAGGTGCGAT
GCCAATAGCGTTATGCTCGCGGGTGTGAATTGTGATCAGATTCGGGTTCTAGCGA
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TGCCCTCTTAAAGAAAAATGTTTTTTTATAGATTTTATAAAAATCATTCCCTGATGAAT
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ATGATGATGATGATGATGAGATGGGTGGTCCCTAACATCAAATTTGGAGCCGGA
GCTATCTATGATTCAGGCGTAAGTCAGCAAGCTAA