

IDENTIFICATION

Species: *Ananas comosus*

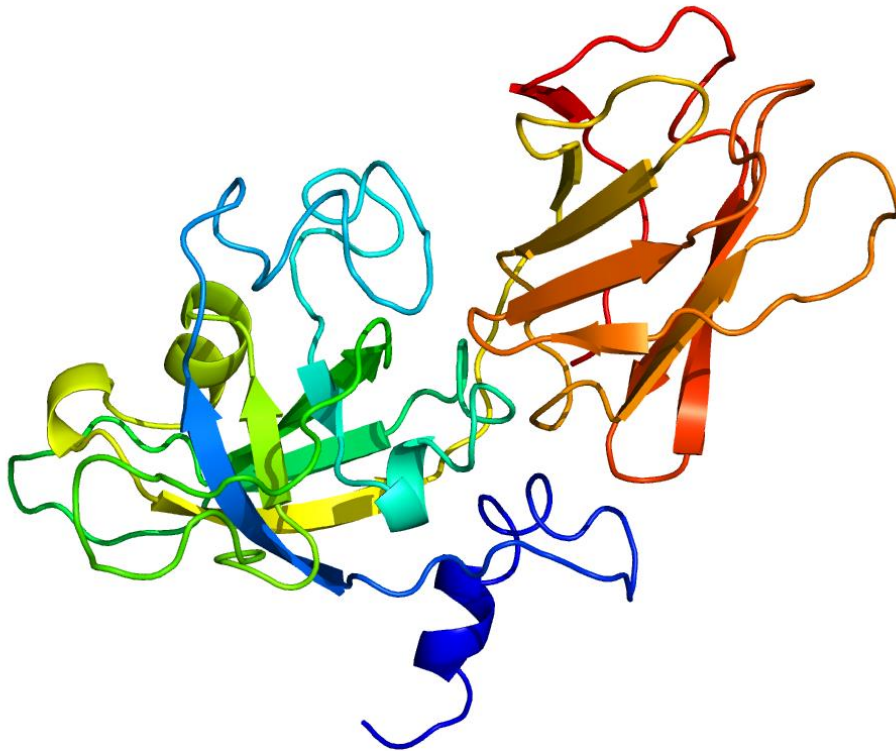
Locus: Aco013089

Gene Model: Aco013089.1

Description: AncEXPA-20

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

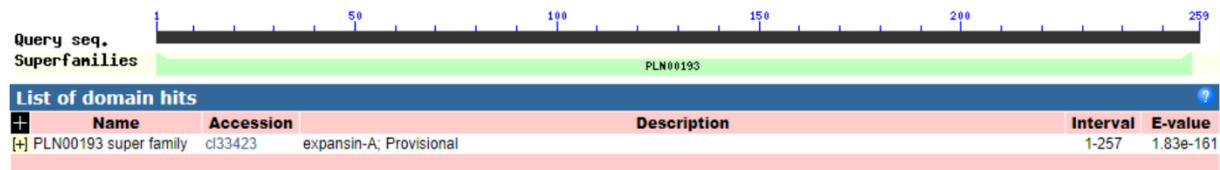
EXTERNAL RESOURCES

[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-20

MEMGLIFWHLVVAAMSFTVVAVDGFAPSWWTKASATFYGGSDASGTMGGGYGDL
YSAGYGTRTAALSTALFNDGASCQCYKIMCDYKSDPQWCLKGTSVTITATNFCPPN
YALPNDDGGWCSPPRQHFDMAQPAWEKIGIYRGGIVPVIYQRPCKKHGGVRFVTN
GRDYFELVLVTNVGGGGSVQSMDVKGSRTGWMAMSRNWGANWQSNAYLNGQPL
SFRVTTAGGQTLVFPDIAPSNWAFGQTFSSPLQFI*

CDS (coding sequence)

>AncEXPA-20

ATGGAGATGGGTCTCATCTTTTGGCATCTCGTCGTGGCGGCGATGAGCTTCAGTG
GTCGCCGTCGGGTTTTGCGCCCTCCTGGTGGGAAGGCCTCCGCGGTTCTGGTGGC
AGCGGCCTCGGGCAATGGGTGGAGCCTGCGGTTGGTGATCTGTTCGGCCGGATGG
ATAGATGCAGCCCTAAGTTGCTATTCAATGGGGGCTTCGTGCGGGCAGTGTTATA
AGATCATGTGCGTAAGTCGGCCGCAAGTGGTGCTGAAGGGCGTCGGTGCATCGGC
GCAATTTCTGCCCTCCGATGCCCTCCCGAGGGGCGGGTGGTGCAGCCCTCCTCGC
CAGCTTCGATGGCTCAGCCCGCCTGGGAGAAGATTGGCATCTATCGCGGGGGGAT
TGTCTGTCATATCAAAGGGTTCATGCAAGAAGCGGCGGGGTGCGGTTCCGGTCAG
GGCGGGTTTTGAGCTGGTGCTCGTGGAATGTCGGCGGCGGCGGCTCGGTCCAGTC
GATGGGTGAAAGGGTCGCGGCGGGTGGATGGCCATGTCGCGCATGGGGCGCCAT
GGCAATCGAGCGTCTGAGGCCAGCCCTCTCATTCAGAGTCCCGCCGGCGGCCAA
TCTAGTGTCCCGGATCGCCCCGTGAATTGGGCCTTCGGAACCTTCCAGCCCAT
TAATTCATCTAA

CCTGCTTTAAGATTCGGTTAAAGTTGCCCGCCCCTTCATATTATTGTTAGGTAAGA
AATTTTTTAAAA