

IDENTIFICATION

Species: *Arabidopsis thaliana*

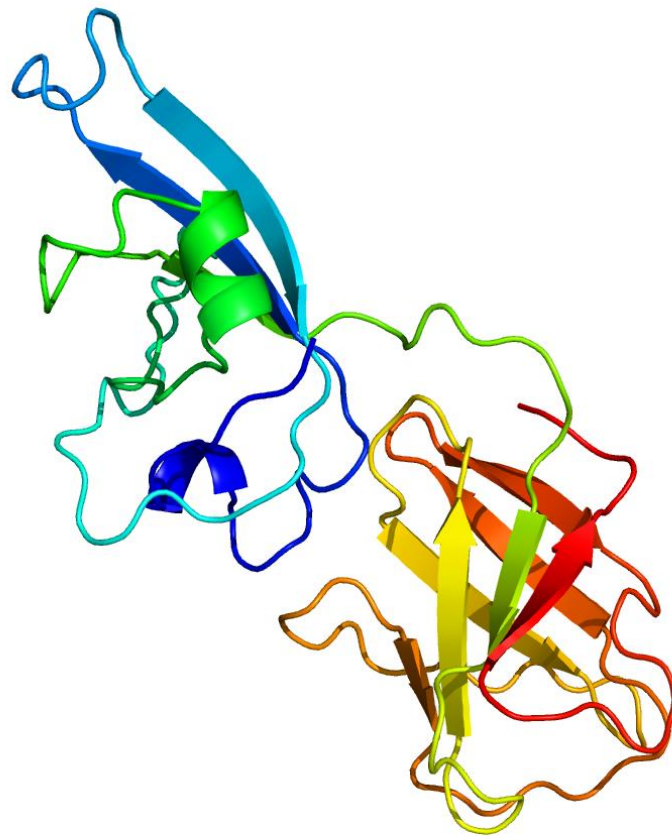
Locus: AT1G20190

Gene Model: AT1G20190.2

Description: AtEXPA-03

Family: Alpha Expansin

3D structure:



GENOME DATABASES

TAIR: <https://www.arabidopsis.org/>

KEGG: <https://www.genome.jp/entry/T00041>

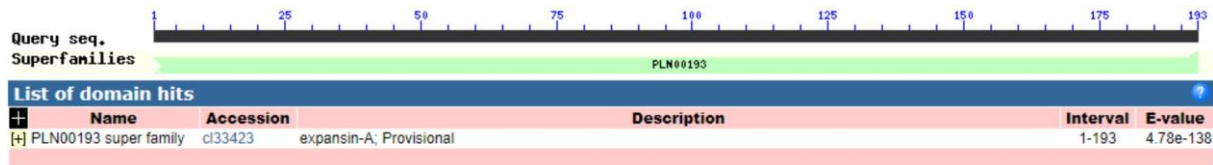
EXTERNAL RESOURCES

<https://www.gabipd.org/database/cgi-bin/GreenCards.pl.cgi?Mode=Show&QueryKey=197c0ef939ecd1d29302d8a4a92c1bc3&x.Overview=1&Start=1>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>AtEXPA-03

MTAALSTALFNDGASCGECYRITCDHAADSRWCLKGASVVITATNFCPPNFALPNNN
GGWCNPPLKHFDMAQPAWEKIGIYRGGIVPVVFQRVSCYKKGGRFRINGRDYFEL
VNIQNVGGAGSIKSVSIKGSKTGWLAMSRNWGANWQSNAYLDGQALSFSITTTDGA
TRVFLNVVPSSWSFGQIYSSNVQF

CDS (coding sequence)

>AtEXPA-03

ATGACGGCGGCGTTAAGCACGGCTCTGTTCAACGACGGAGCTTCTTGCGGAGAAT
GCTATAGGATAACGTGTGATCACGCGGCGGACTCACGGTGGTGCTTGAAAGGAG
CTTCTGTGGTTATTACAGCCACTAACTTTGCCACCAAACCTTTGCTTTGCCTAAC
ACAACGGTGGTTGGTGAATCCGCCGCTTAAACATTTGACATGGCACAACCCG
CTTGGGAAAAGATCGGAATTTACAGAGGAGGAATCGTTCCCGTCGTTTTCCAAAG
AGTAAGCTGTTACAAGAAAGGAGGAGTTAGATTCAGAATAAACGGAAGAGACTA
CTTCGAGCTAGTGAATATTCAAATGTAGGAGGAGCAGGTTCTATTAAATCTGTA
TCCATCAAAGGATCAAAGACTGGTGGTTAGCCATGTCTCGTAACTGGGGAGCTA
ATTGGCAATCGAATGCTTATCTAGATGGTCAAGCTCTCTCTTTCTCCATTACCACT
ACTGATGGTGCTACTAGAGTCTTTCTCAATGTTGTTCTTCTTCTTGGTCTTTTGA
CAGATTTATTCTTCCAACGTTCAGTTTTAA

Nucleotide

>AtEXPA-03

GAAATTATTTTTGTTGTTTTTTTCCAGGTGGAGCTTGTGGTTACGGAGATCTTTAC
TCGGCGGGGTACGGGACAATGACGGCGGCGTTAAGCACGGCTCTGTTCAACGAC
GGAGCTTCTTGCGGAGAATGCTATAGGATAACGTGTGATCACGCGGCGGACTCAC
GGTGGTGCTTGAAAGGAGCTTCTGTGGTTATTACAGCCACTAACTTTGCCACC

AAACTTTGCTTTGCCTAACAACAACGGTGGTTGGTGCAATCCGCCGCTTAAACAT
TTCGACATGGCACAACCCGCTTGGGAAAAGATCGGAATTTACAGAGGAGGAATC
GTTCCCGTCGTTTTCCAAAGGTCAGAACTTTTTAAAAGACCAAAAAACAGAGTAA
GCTGTTATTTTGCAATTGTTCAAACCTTCTTAACGAAAAGCTCTGTGTTTTTTGTGT
GTTTGGGAAAAACAGAGTAAGCTGTTACAAGAAAGGAGGAGTTAGATTCAGAAT
AAACGGAAGAGACTACTTCGAGCTAGTGAATATTCAAATGTAGGAGGAGCAGG
TTCTATTAAATCTGTATCCATCAAAGGATCAAAGACTGGTTGGTTAGCCATGTCTC
GTAAGTGGGGAGCTAATTGGCAATCGAATGCTTATCTAGATGGTCAAGCTCTCTC
TTTCTCCATTACCACTACTGATGGTGCTACTAGAGTCTTTCTCAATGTTGTTCCCTC
TTCTTGGTCTTTTGGACAGATTTATTCTTCCAACGTTTCAGTTTTAAGTTTTTTTTT
GTTTTGTATGAAATATCATTGGCAGTGGTCGCGCTTTGAGTCTGTTTCTTTCTCCC
TGAGCGACCCGCCCTCTTTGTTTTTTTTATCTTATGGTATGATGGGTCTGTTAATAC
AAAAGACCCGATATGATTTGAGGGTATATGATTATATGAAGTGTATTGTATTTGA
ATGTTTCAGACTCGAAAAAGATTCTGTAGCAAAGGAGTTTTAACACATTTGTAC
TTGGTTTTGTTTATATGAAGTTTGTTTTAGTTTTTTGAAAAGGAGTTTTGTCAAGTA
CAATTCTAATAAGACATTGGTCTTTACTTTACAAAAG