

IDENTIFICATION

Species: *Arabidopsis thaliana*

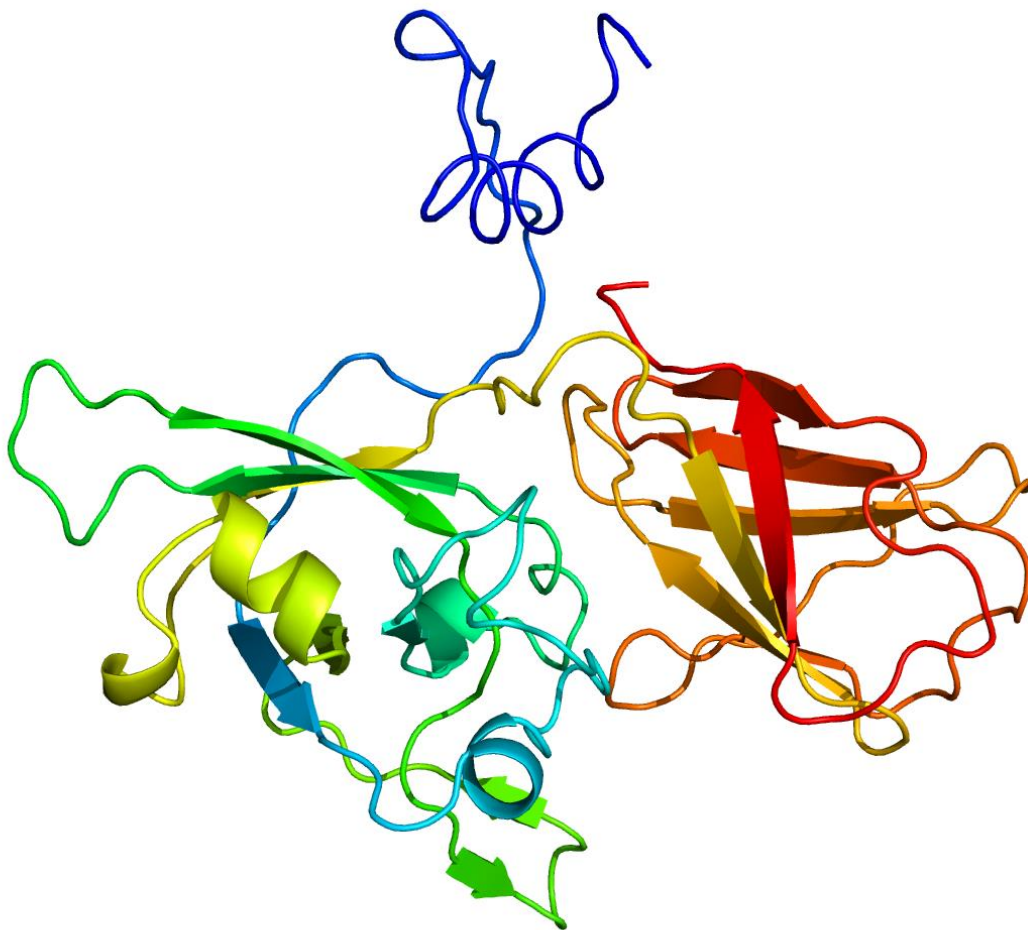
Locus: AT3G03220

Gene Model: AT3G03220.1

Description: AtEXPA-17

Family: Alpha Expansin

3D structure:



GENOME DATABASES

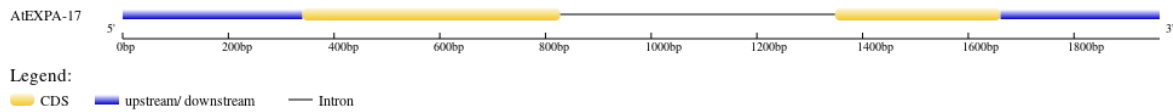
TAIR: <https://www.arabidopsis.org/>

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

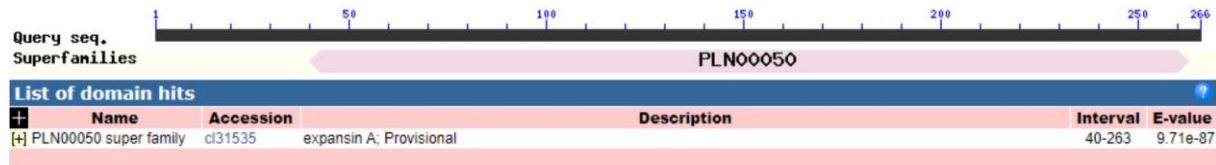
EXTERNAL RESOURCES

<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-17

MQRFLLPLLFLALSPPAICHYSSSTSSPSSSSVSSDASEWRPARATYYAATNPRDAVGG
ACGYGDLVKSGYGMATVGLSETLFRGQICGACFELRCVDDLRCIPGTSIILTATNF
CAPNYGFPDGGGHCNPPNKHFVLPPIEAFEKIAIWKAGNMPVQYRRINCRKEGSMRF
TVDGGGIFISVLITNVAGSGDIAAVKIKGSRTGWLPMGRNWGQNWHINADLRNQALS
FEVTSSDRSTVTSYNVSPKNWNYGQTFEGKQFETP

CDS (coding sequence)

>AtEXPA-17

ATGCAACGGTTTCTTCTACCTTTACTCTTCCTTGC ACTATCGCCGCCGGCGATTTG
TCATTACTCTTCCTCAACCTCTTCACCTTCTTCGTCCCTCCGTTTCTTCCGACGCTC
AGAATGGCGTCCAGCTCGAGCCACCTACTACGCCGCTACGAATCCTCGAGACGCG
GTGGGCGGTGCGTGTGGATACGGAGATCTCGTCAAATCTGGGTACGGTATGGCTA
CTGTTGGTCTAAGCGAGACTCTGTTTGAGCGTGGTCAGATCTGTGGTGCTTGTTTC
GAGCTCAGATGTGTTGATGATCTCCGTTGGTGTATCCCTGGA ACTTCAATTATACT
CACCGCTACGAATTTCTGTGCTCCTAATTACGGATTTGATCCC GACGGTGGTGGTC
ATTGTAATCCACCTAACAAACATTTCTGTGCTTCCGATCGAAGCGTTTGAGAAGAT
CGCTATTTGGAAAGCTGGGAACATGCCGGTGCAGTATCGAAGGATCAACTGTAG
AAAGGAAGGGAGCATGCGGTTTACAGTCGATGGTGGAGGCATTTTCATTTTCGTT
TTGATACCAATGTTGCAGGGTCCGGTGATATAGCTGCTGTGAAGATCAAAGGGT
CGAGAACCGGGTGGTTACCTATGGGTCGTAATTGGGGACAAAATTGGCATATTA
TGCTGATCTCAGGAACCAAGCTCTCTCATTGGAAGTAACTTCTAGTGACAGGTCA
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Nucleotide

>AtEXPA-17

AAAAAATCAAATGTCAAATTGATCCAAATGAAAAATATCATGACATACTTTTTTG
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TTTGAGAAGATCGCTATTTGGAAAGCTGGGAACATGCCGGTGCAGTATCGAAGGT
GCGTTTCTCTCCGCTTTTTCCCAATTTGTTTCGCGTTTTGTTAAAAAATGCGTTTG
CGGTGGTGGGGAACGCGGTTCTGCTTTTAGACGCCACTATCGATTTAAAAAATCC
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