

IDENTIFICATION

Species: *Arabidopsis thaliana*

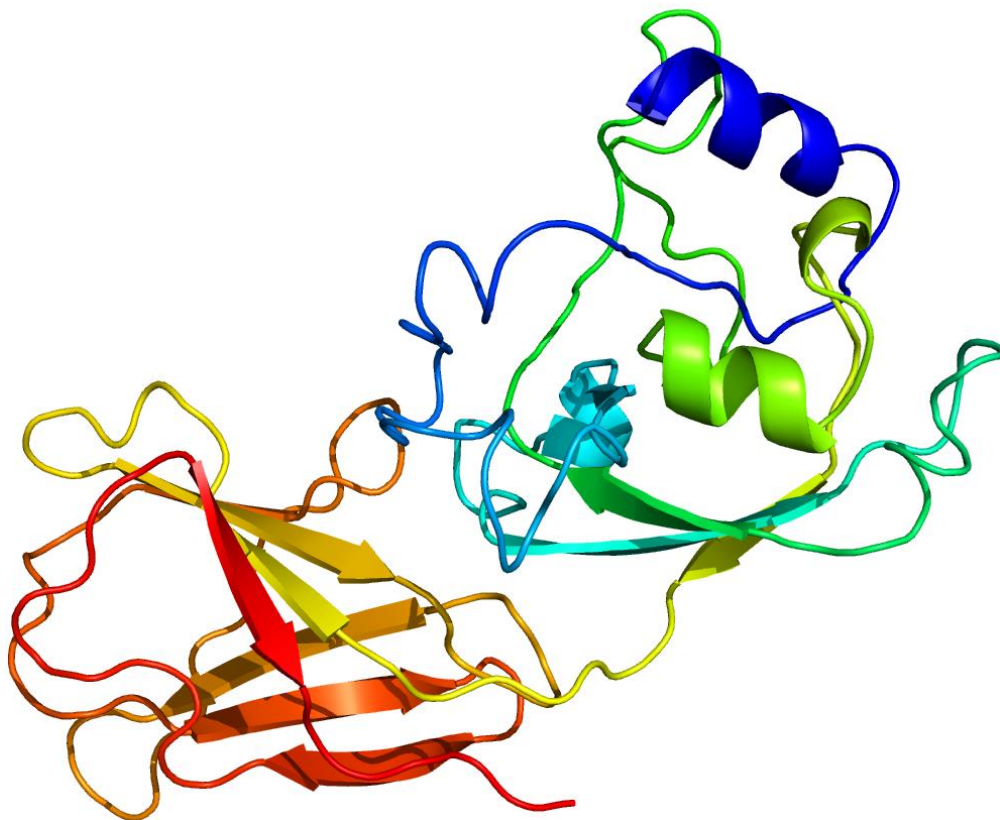
Locus: AT2G37640

Gene Model: AT2G37640.2

Description: AtEXPA-14

Family: Alpha Expansin

3D structure:



GENOME DATABASES

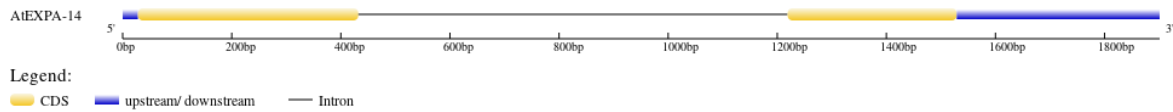
TAIR: <https://www.arabidopsis.org/>

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

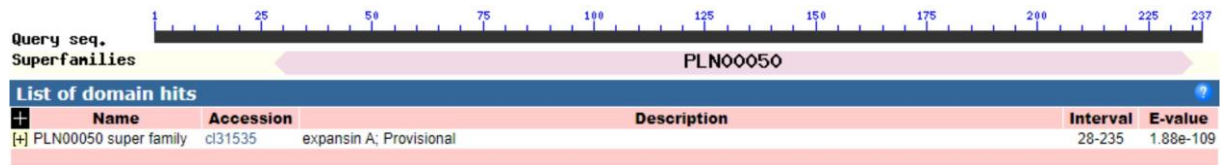
EXTERNAL RESOURCES

<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-14

MISDFFFFVKFLTFLFSLFFFLARGVLLGGACGYGNLYSQGYGVNTAALSTALFNNGF
SCGACFEIKCTDDPRWCVPGNPSILVTATNFCPPNFAQPSDDGGWCNPPREHFDLAM
PMFLKIGLYRAGIVPVS YRRVPCRKIGGIRFTVNGFRYFNLVLTNVAGAGDINGVSV
KGSKTDWVRMSRNWQNWQSNVAVLIGQSLFRVTASDRRSSTSWNVAPATWQFGQ
TFSGKNFRV

CDS (coding sequence)

>AtEXPA-14

ATGATTTCTGACTTCTTCTTTTTGTGAAGTTTCTAACTTTTTGTTCTCTCTGTTTT
TCTTTTTGGCGCGTGGGGTTTTGCTAGGCGGCGCGTGTGGGTACGGGAAC TTGTA
CAGCCAAGGATACGGTGTGAACACGGCGGCGTTGAGCACTGCTTTGTTCAACAAC
GGATTCAGCTGTGGTGCTTGT TTTGAGATTAAGTGTACTGATGATCCGAGATGGT
GTGTTCCGGGAAATCCATCTATTCTTGTGACGGCGACGAACTTTTGTCCGCCGAAT
TTTGCTCAGCCGAGTGACGACGGAGGGTGGTGCAATCCGCCGCGCGAGCATTTTG
ATCTCGCCATGCCTATGTTCCCTCAAGATCGGTCTATACCGTGCAGGCATTGTCCCC
GTCTCCTATCGCAGGGTACCTTGTGCGGAAGATAGGAGGGATAAGATTACAGTAA
ACGGATTCAGATACTTCAATCTTGT TCTGGTAACTAACGTTGCCGGCGCCGGAGA
TATTAACGGAGTTAGCGTAAAGGGATCAAAGACAGATTGGGTGAGGATGAGTCG
GAACTGGGGACAGA ACTGGCAATCCAACGCCGTTCTCATCGGCCAATCACTCTCT
TTCCGAGTCACCGCCTCTGACCGACGTTCTTCTACCTCATGGAACGTTGCTCCTGC
CACGTGGCAGTTTGGTCAGACTTTCTCCGGCAAAA ACTTTCGAGTCTGA

Nucleotide

>AtEXPA-14

ATTCATTTTCGTACATATAACCATGAATTATGATTTCTGACTTCTTCTTTTTTGTGAA
GTTTCTAACTTTTTTGTCTCTCTGTTTTTCTTTTTGGCGCGTGGGGTTTTGCTAGG
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ACTAAA