

IDENTIFICATION

Species: *Arabidopsis thaliana*

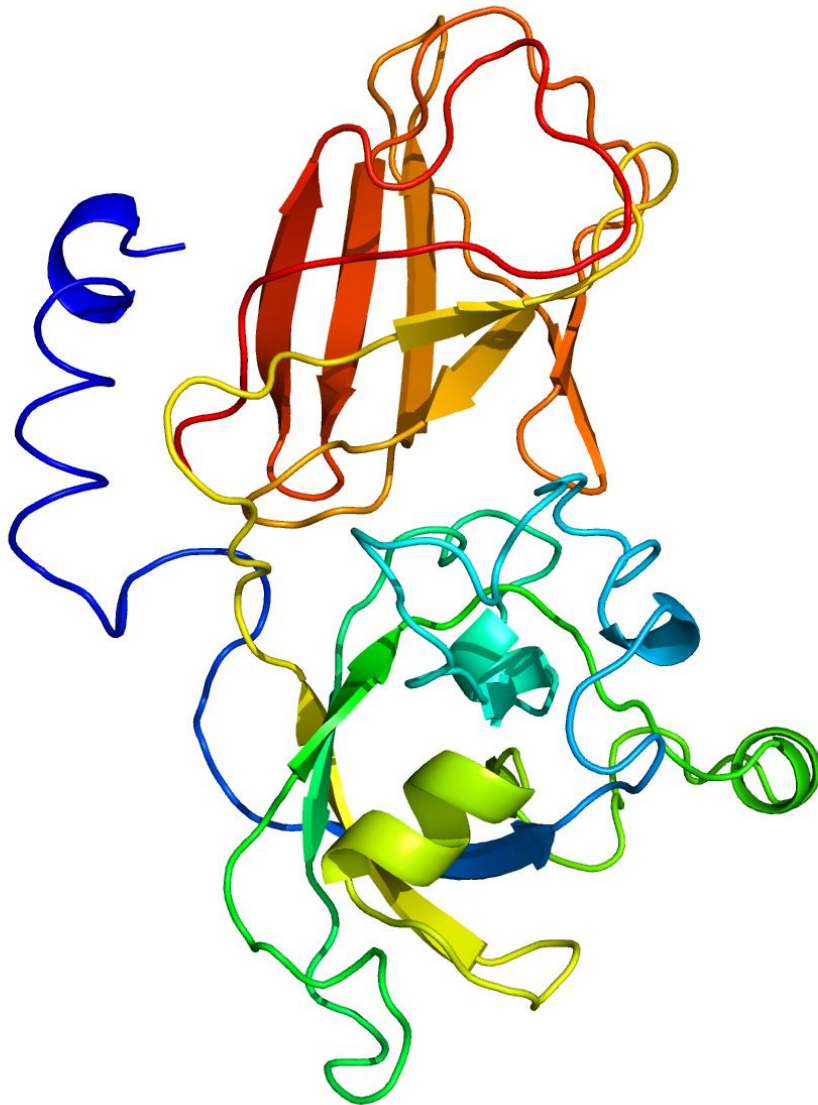
Locus: AT2G28950

Gene Model: AT2G28950.1

Description: AtEXPA-12

Family: Alpha Expansin

3D structure:



GENOME DATABASES

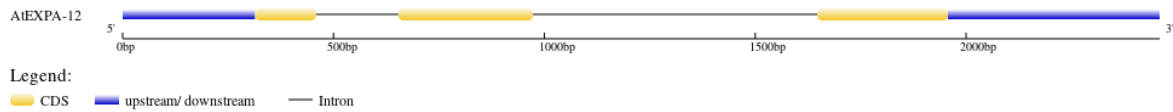
TAIR: <https://www.arabidopsis.org/>

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

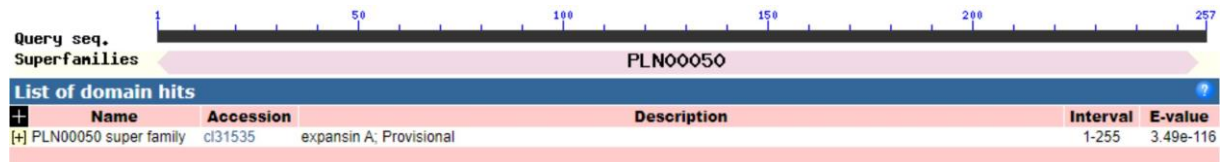
EXTERNAL RESOURCES

<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-12

MAMLGLVLSVLTTILALSEARIPGVYNGGGWETAHATFYGGSDASGTMGGACGYG
NLYSQGYGVNTAALSTALFNNGFSCGACFELKCASDPKWCHSGSPSIFITATNFCPPN
FAQPSDNGGWCNPPRPHFDLAMPMFLKIAEYRAGIVPVSFRRVPCRKRGGIRFTINGF
RYFNLVLVTNVAGAGNIVRLGVKGTHTSWMTMSRNWQNWQSNVVLVGQSLFRV
TSSDRRSSTSWNIAPANWKFGQTFMGKNFRV

CDS (coding sequence)

>AtEXPA-12

ATGGCAATGTTGGGCTTGGTTTTATCTGTTCTTACTACAATTCTTGCATTGTCTGA
AGCAAGAATCCCAGGAGTTTACAATGGTGGTGGTTGGGAACTGCTCACGCCACT
TTCTACGGTGGCTCTGATGCTTCTGGAACAATGGGAGGAGCTTGTGGTTATGGTA
ACTTATACAGCCAAGGCTATGGTGTGAACACGGCGGCTTTAAGCACGGCTCTGTT
CAACAATGGTTTTAGCTGTGGTGCTTGTTTTGAGCTCAAATGTGCTAGTGATCCAA
AATGGTGCCATTCTGGTAGTCCTTCAATCTTCATCACTGCGACTAATTTCTGTCCT
CCGAACCTTGTCTAGCCTAGTGACAATGGTGGTTGGTGTAAACCCTCCTAGACCTC
ACTTTGATCTTGCTATGCCTATGTTTCTCAAGATCGCTGAGTATCGTGCCGGAATC
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CAATCAACGGTTTCCGTTATTTAACTTGGTTCTAGTCACTAACGTCGCTGGCGCC
GGAAACATAGTGCGGCTAGGTGTGAAAGGAACACATACTTCGTGGATGACCATG
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Nucleotide

>AtEXPA-12

TGGATTTGTACGCATGACTTTTTTTACACATACAAATAATTGTAAAACCTTTTGTC
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