

## IDENTIFICATION

**Species:** *Arabidopsis thaliana*

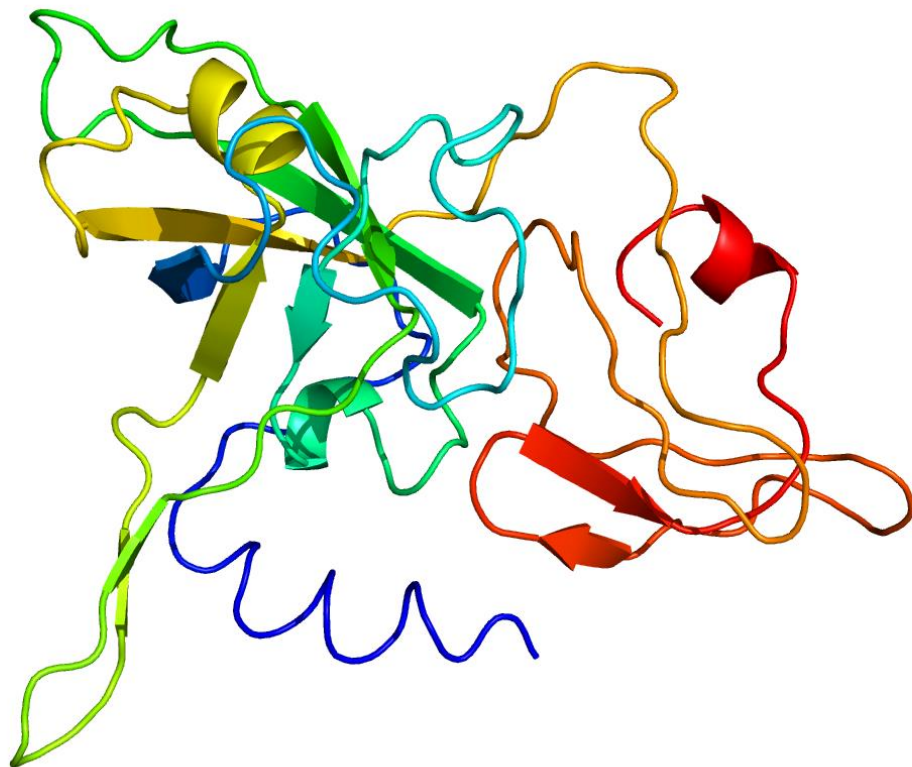
**Locus:** AT1G69530

**Gene Model:** AT1G69530.4

**Description:** AtEXPA-09

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

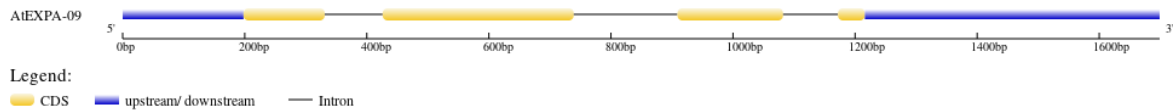
TAIR: <https://www.arabidopsis.org/>

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

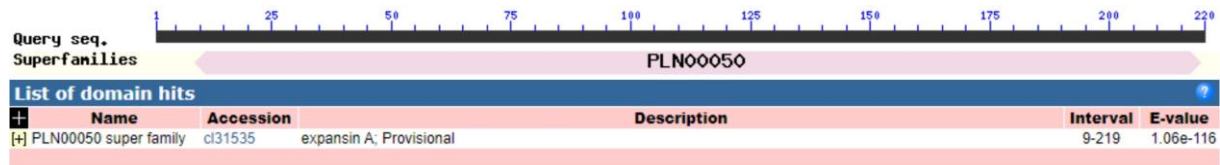
## EXTERNAL RESOURCES

<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-09

MALVTFLFIATLGAMTSHVNGYAGGGWVNAHATFYGGGDASGTMGGACGYGNLY  
SQGYGTNTAALSTALFNGLSCGACFEIRCQNDGKWCLPGSIVVTATNFCPPNNALP  
NNAGGWCNPPQQHFDLSQPVFQRIAQYRAGIVPVA YRRVPCVRRGGIRFTINGHSYF  
NLVLITNVGGAGDVHSAMVKGSRGTGWQAMSRNWGQNWQSWFSFGQTFTGAQLR

### CDS (coding sequence)

>AtEXPA-09

ATGGCTCTTGTCACCTTCTTGTTTATTGCTACCCTTGGAGCAATGACGTCACATGT  
CAATGGTTACGCCGAGGAGGTTGGGTCAACGCACACGCCACATTCTACGGTGGT  
GGTGATGCTCCGGCACAATGGGAGGTGCTTGTGGATACGGAAACCTATATAGCC  
AAGGCTATGGAACCAACACGGCGGCGCTAAGCACGGCTCTATTCAATAATGGTCT  
AAGTTGTGGTGTGCTTTCGAGATAAGATGTCAAACGATGGAAAATGGTGTCTT  
CCTGGCTCAATTGTCGTACAGCCACAACTTTTGCCCTCCTAACAAACGCCTTACC  
GAACAACGCAGGAGGTTGGTGTAAACCTCCTCAGCAGCATTTTGATCTCTCTCAG  
CCCGTATTTCAACGCATCGCTCAATACAGAGCCGGCATTGTCCCCGTCGCTTACC  
GAAGAGTGCCGTGCGTGAGAAGAGGAGGAATAAGGTTTACGATAAACGGACACT  
CTTACTTCAACCTAGTTCTGATCACTAACGTCGGAGGAGCCGGAGATGTTCACTC  
AGCGATGGTTAAAGGTTCAAGAACTGGATGGCAAGCGATGTCAAGAACTGGGG  
ACAGA ACTGGCAGAGCTGGTCTTTCGGCCAGACCTTCACAGGTGCGCAGCTACGT  
TAG

### Nucleotide

>AtEXPA-09

CCAATTCTAAACCAACAACAGATTCTCATAATCATCTCTTCTTTTTTCTCTTTAC  
GAAAAGAAGAAAGATCAAACCTTCCAAGTAATCATTTTCTTCTCTCTCACAC

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TCATATAAGAGATCAGAAACAAGATCGGCATGTTTTTGT