

## IDENTIFICATION

**Species:** *Arabidopsis thaliana*

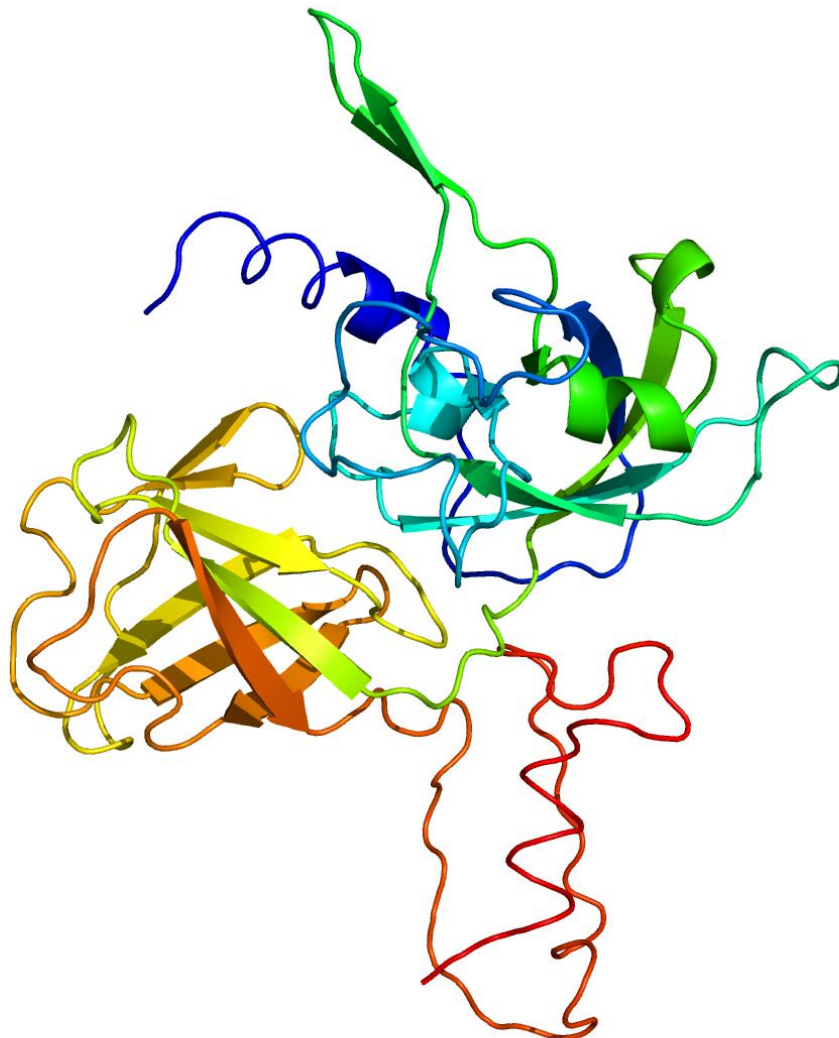
**Locus:** AT5G56320

**Gene Model:** AT5G56320.3

**Description:** AtEXPA-33

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

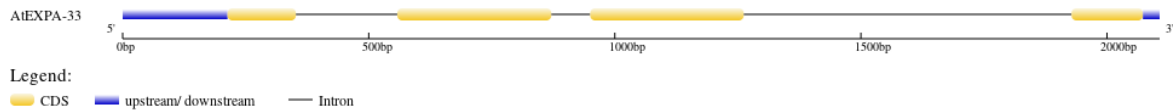
TAIR: <https://www.arabidopsis.org/>

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

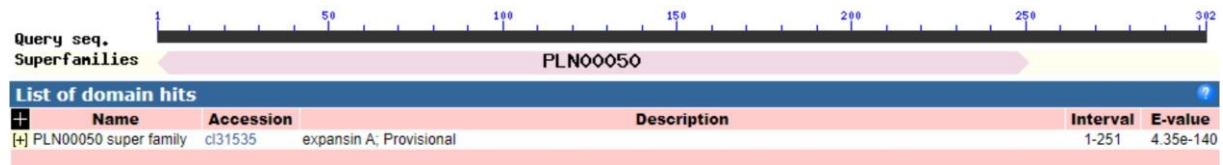
## EXTERNAL RESOURCES

<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-33

MEFFGKMIISLSLMMMIMWKSVDGYSSGWVNARATFYGGADASGTMGGACGYGN  
LYSQGYGTNTAALSTALFNGGQSCGACFQIKCVDDPKWCIGGTITVTGTNFCPPNFA  
QANNAGGWCNPPQHFDLAQPIFLRIAQYKAGVVPVQYRRVACRRKGGIRFTINGHS  
YFNLVLITNVAGAGDVISVSIKGTNTRWQSMSRNWQNWQSNKLDGQALSFKVTT  
SDGRTVISN NATPRNWSFGQTYTGKQFRAQSYDPLENSSGAPSPISSNFIFSSSFAIKLL  
ASTFPSLLIMCFNQAFLC

### CDS (coding sequence)

>AtEXPA-33

ATGGAGTTTTTTGGTAAAATGATAATTTTCATTGAGTCTTATGATGATGATAATGTG  
GAAGAGCGTGGATGGTTACAGTAGTGGTTGGGTCAATGCTCGAGCCACATTCTAT  
GGAGGAGCTGATGCTTCTGGCACCATGGGCGGCGCGTGTGGTTACGGAACTTAT  
ACAGTCAAGGATACGGCACTAACACGGCGGCTCTAAGCACGGCTCTATTCAACG  
GCGGCCAAAGCTGTGGTGCTTGTTCAGATAAAATGCGTAGACGACCCAAAATG  
GTGTATCGGTGGAACAATCACCGTCACCGGAACAACTTTTGTCACCCAACTTT  
GCTCAAGCCAACAACGCCGGAGGTTGGTGTAACTCCTCAACACCACTTCGATT  
TAGCTCAGCCCATCTTCCTCCGTATTGCTCAATACAAAGCCGGCGTCGTCCCTGTC  
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AGTTCAAGTTTTGCCATAAACTTCTCGCTTCAACATTTCCCTCCTTGTTGATTAT  
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## Nucleotide

>AtEXPA-33

ACAACAACATTGAAACCCATTTCTTCGCCTTTAACCTTACTTGAATTTTTGTGTGG  
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