

## IDENTIFICATION

**Species:** *Arabidopsis lyrata*

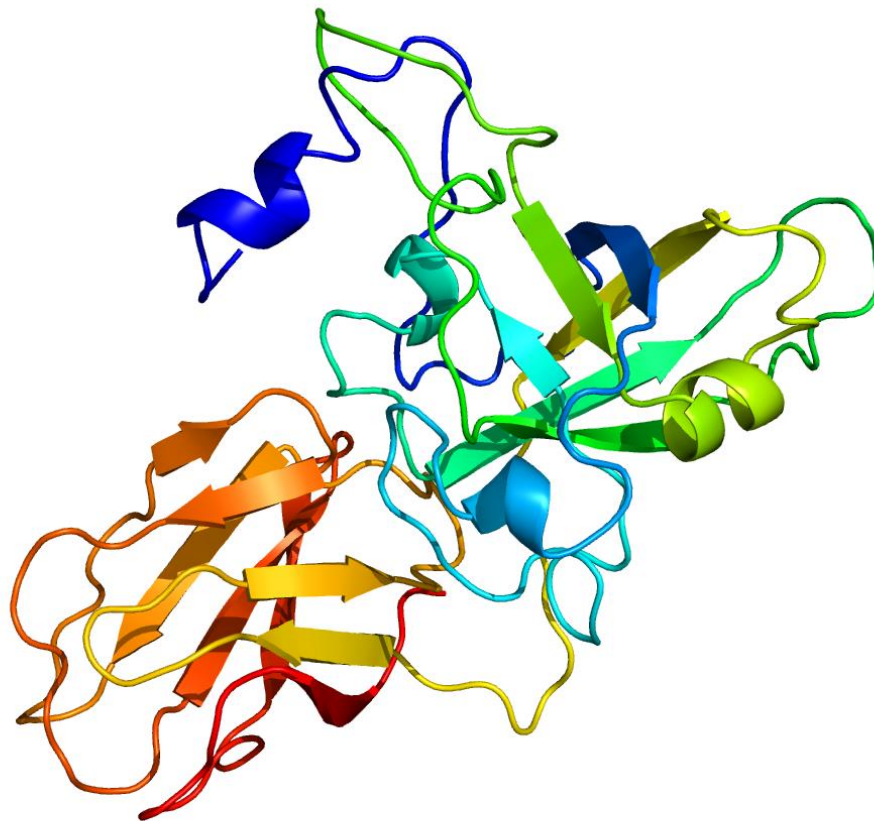
**Locus:** AL1G38930

**Gene Model:** AL1G38930.t1

**Description:** ALEXPA-03

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

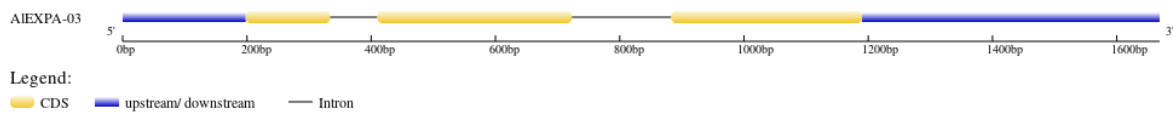
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Alyrata\\_v2\\_1](https://phytozome-next.jgi.doe.gov/info/Alyrata_v2_1)

Kegg: <https://www.genome.jp/entry/T01578>

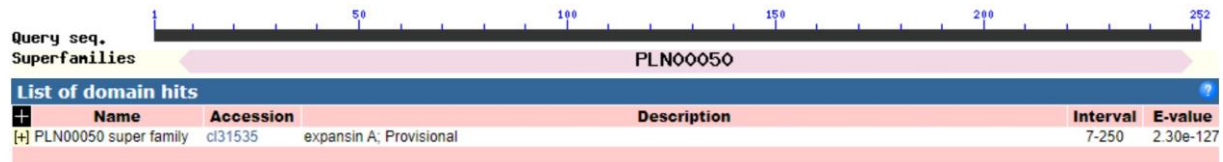
## EXTERNAL RESOURCES

[https://plants.ensembl.org/Arabidopsis\\_lyrata/Info/Index](https://plants.ensembl.org/Arabidopsis_lyrata/Info/Index)

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>ALEXPA-03

MCHLGFLVMVMVGMVMASSVTGYGGGGWINAHATFYGGGDASGTMGGACGYGN  
LYSQYGTSTAALSTALFNGLSCGSCFEIRCENDGKWCLPGSIVVTATNFCPPNNAL  
ANNNGWCNPPLEHFDLAQPVFQRIAQYRAGIVPVSYRRVPCRRRGGIRFTINGHSYF  
NLVLITNVGGAGDVHSAAIKGSRTGWQAMSRNWQNWQSNLYLNGQALSFKVTTS  
DGRTVVSYNAAPAGWSYGQTFAGGQFR\*

### CDS (coding sequence)

>ALEXPA-03

ATGTGTCATCTTGGATTCTTAGTTATGGTTATGGTAGGAGTAATGGCTTCTTCTGT  
GACCGGCTACGGTGGCGGTGGCGGTTGGATCAACGCTCACGCCACTTTCTACGGT  
GGAGGCGATGCTTCCGGCACAATGGGTGGTGTGTTGGATATGGTAACCTATATA  
GCCAAGGCTACGGGACGAGCACGGCGGCTTTGAGCACGGCTTTGTTCAACAACG  
GACTTAGTTGTGGTTCTTGCTTTGAGATAAGATGTGAAAACGATGGTAAATGGTG  
TTTACCTGGCTCAATCGTTGTAACCGCTACAACTTCTGTCCGCCAAATAACGCGT  
TAGCGAACAATAATGGCGGTTGGTGTAAATCCTCCTCTTGAACACTTTGACCTTGCT  
CAGCCTGTTTTTCAACGCATTGCTCAGTACAGAGCTGGAATCGTCCCTGTTTCCTA  
CAGGAGGGTACCATGCAGGAGAAGAGGAGGAATAAGATTCACGATAAACGGCC  
ACTCATACTTCAACCTTGTGCTGATCACAAACGTCGGTGGTGCCGGAGATGTTCA  
CTCGGCGGCGATCAAGGTTCAAGAACAGGTTGGCAAGCTATGTCAAGGAACTG  
GGGACAAAATTGGCAAAGCAACTTTACCTCAACGGTCAAGCACTTTCTTTAAG  
GTCACCACCAGCGACGGCCGCACAGTTGTCTCCTACAACGCCGCTCCTGCCGGCT  
GGTCATACGGCCAGACTTTTGCCGGTGGACAGTTCCGCTGA

### Nucleotide

>ALEXPA-03

ACCAACAACAGATTTTCACATATCTCTCTTTTTTCTTTTTTCTTGAAGGAAAGA  
AGAAGATCTCCAAATCCAAGTAACTACTTTCTTACCTACATTCAATTGTTTCTCC  
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TCT