

IDENTIFICATION

Species: *Arabidopsis lyrata*

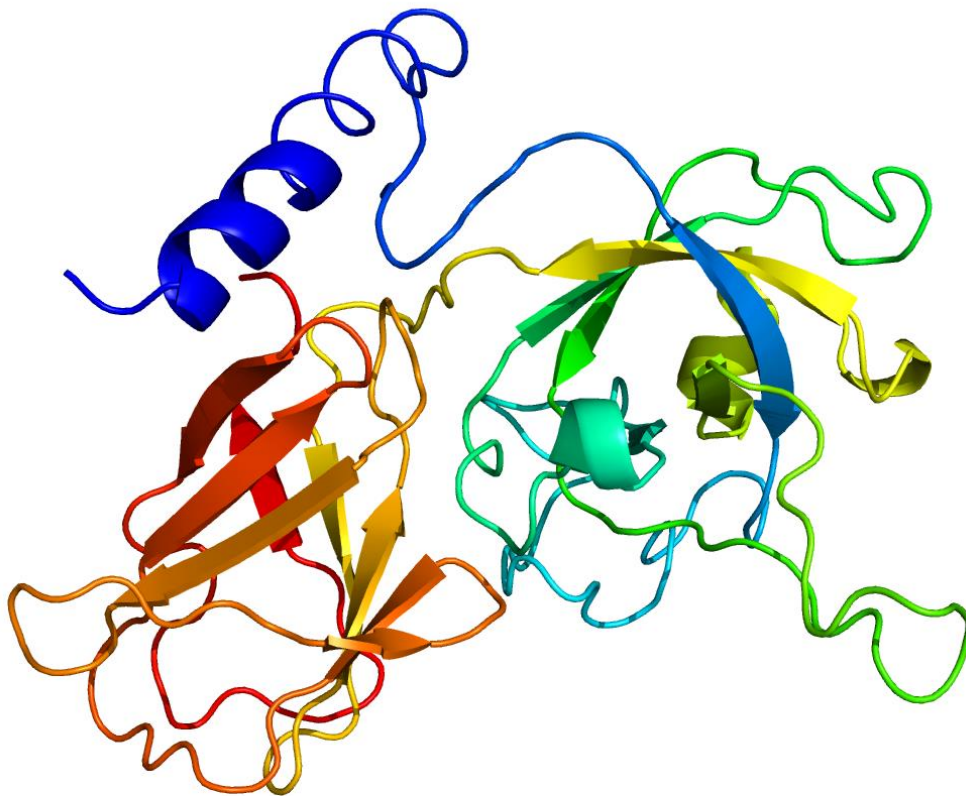
Locus: AL4G34240

Gene Model: AL4G34240.t1

Description: ALEXPA-09

Family: Alpha Expansin

3D structure:



GENOME DATABASES

Phytozome: https://phytozome-next.jgi.doe.gov/info/Alyrata_v2_1

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

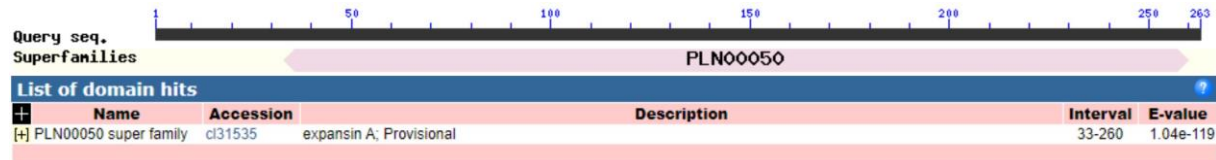
EXTERNAL RESOURCES

https://plants.ensembl.org/Arabidopsis_lyrata/Info/Index

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>ALEXPA-09

MTATAFGIGLWLAVTASFLFTASNAKIPGVYSGGPWQNAHATFYGGSDASGTMGGA
CGYGNLYSQGYGVNTAALSTALFNNGFSCGACFEIKCTDDPRWCVPGNPSILVTATN
FCPPNFAQPSDDGGWCNPPREHFDLAMP MFLKIGLYRAGIVPVSYRRVPCRKIGGIRF
TVNGFRYFNLVLTNVAGAGDINGVSVKGSKTDWVRMSRNWGQNWQSNVAVLIGQS
LSFRVTASDRRSSTSWNVAPSTWQFGQTFSGKNFRV*

CDS (coding sequence)

>ALEXPA-09

ATGACGGCGACTGCGTTTGGGATCGGCTTGTGGTTGGCCGTTACGGCTTCCTTTCT
CTTCACCGCTTCAAACGCCAAAATCCCCGGCGTTACAGCGGCGGCCCGTGGCAG
AACGCACACGCCACTTTCTACGGTGGTAGTGACGCCTCCGGCACAATGGGCGGCG
CGTGTGGGTACGGGAAC TTGTACAGCCAAGGATACGGTGTGAACACGGCGGCGT
TGAGCACTGCTCTGTTCAACAACGGATTCAGCTGCGGTGCTTGT TTTGAGATTAA
GTGTACTGATGACCCGAGATGGTGTGTTCCGGGAAATCCGTCTATTCTTGTGACG
GCGACAAACTTTTGTCCACCGAATTTGCTCAGCCGAGTGACGACGGAGGATGGT
GTAATCCGCCGCGAGAGCATTTTGATCTCGCCATGCCTATGTTCTCAAGATCGGT
TTGTACCGTGCCGGCATTGTCCCCGTCTCCTATCGCAGGGTACCTTGTCGGAAGAT
AGGAGGGATAAGATTACAGTAAACGGATTCAGATACTTCAATCTTGTTCTGGTA
ACTAACGTTGCCGGCGCCGGAGATATTAACGGAGTTAGCGTAAAGGGATCAAAG
ACAGATTGGGTGAGGATGAGTAGGA ACTGGGGACAGAACTGGCAGTCCAACGCC
GTCTCATCGGCAATCACTCTCTTTCCGAGTCACCGCCTCTGATCGACGTTCTC
CACCTCATGGAACGTTGCTCCTTCCACGTGGCAGTTTGGTCAGACTTTCTCCGGCA
AAA ACTTCCGAGTCTGA

Nucleotide

>ALEXPA-09

ACATCT
CTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTTTTCATAATGACGGCGACTGCGTTG
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TGTTGTTAAAAAGGAGATTAATGTTTTGAAGGGAAATAGTGTTTTATTGTGTA
ACAAATTAGAGCTTTAAGTTTTAGAGAAATTGCACTAGATAACCTAAAAAACA
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