

IDENTIFICATION

Species: *Arabidopsis lyrata*

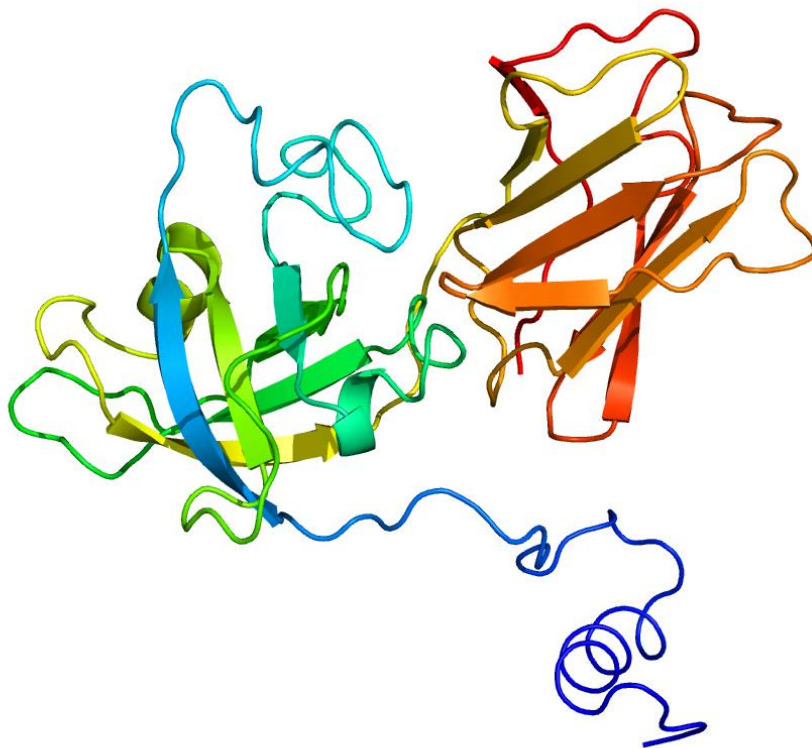
Locus: AL5G18890

Gene Model: AL5G18890.t1

Description: ALEXPA-13

Family: Alpha Expansin

3D structure:



GENOME DATABASES

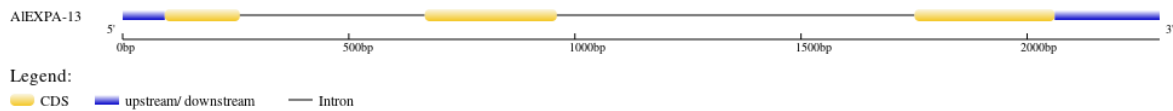
Phytozome: https://phytozome-next.jgi.doe.gov/info/Alyrata_v2_1

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

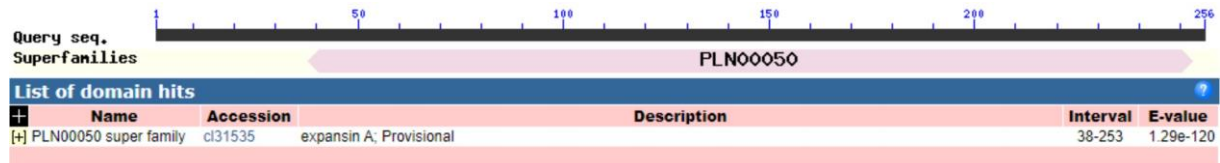
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>AIEXPA-13

MGVLVISVLVVHLLVFSVCVQGVYRRGGHHPGGHMGPWINAHATFYGGGDASGTM
GGACGYGNLYSTGYGLET AALSTALFDQGLSCGACFELMCVNDPQWCIKGRSIVVT
ATNFCPPGGACDPPNHHFDLSQPIYEKIALYKSGIIPVMYRRVRCKRSGGIRFTINGHS
YFNLVLVTNVGGAGDVHVSVMKGSRTKWQLMSRNWGQNWQSN SYLNGQSLSFVV
TTSDRRSVVSFNVAPATWSFGQTYIGGQFRY*

CDS (coding sequence)

>AIEXPA-13

ATGGGCGTTTTAGTAATCTCGGTTCTTGTGGTGCATCTCCTAGTTTTTTCCGTCTGC
GTTCAAGGCGTATACCGTCGTGGTGGCCACCATCCCGGCGGCCACATGGGACCTT
GGATCAACGCTCATGCCACTTTTTACGGCGGGGGTGATGCTTCCGGCACTATGGG
TGGAGCATGCGGGTACGGGAATCTGTACAGCACAGGTTACGGACTGGAGACGGC
GGCACTGAGCACGGCGTTATTCGATCAAGGACTTAGTTGTGGCGCATGTTTTGAG
CTGATGTGTGTCAATGATCCTCAATGGTGCATAAAAGGCCGATCCATTGTGGTCA
CTGCCACTAACTTTTGTCTCCTGGTGGTGCATGTGACCCTCCCAACCACCATTT
GATCTTTCTCAGCCGATCTACGAGAAAATTGCTTTGTACAAATCCGGTATCATTCC
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CAATGGCCACTCATACTTTAACTTGGTGTGGTCAAAACGTGGGTGGAGCCGGG
GACGTACACTCGGTCTCAATGAAAGGGTCGAGGACAAAATGGCAATTAATGTCA
AGAAATTGGGGGCAAATTTGGCAAAGCAACTCTTATCTCAACGGTCAAAGTCTGT
CGTTTGTGTTACCACAAGTGATCGTCAAGTGTCGTCTCGTTTAATGTTGCACCT
GCCACTTGGTCCTTTGGCCAGACCTACATCGGAGGACAGTTTCGGTATTAA

Nucleotide

>AIEXPA-13

AACTTCTCACATCTCCACATTCTGCATTTTGACTAAAACACCCTTTTGTCTCTC
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GCTGATGTGTGTCAATGATCCTCAATGGTGCATAAAAGGCCGATCCATTGTGGTC
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CGATCTTTCTCAGCCGATCTACGAGAAAATTGCTTTGTACAAATCCGGTATCATTCC
CGGTTATGTACAGAAGGTACAAAATTTATTAACCTTGATTAGAGCCTCACAATGG
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ATTTGAGTACTATAC