

IDENTIFICATION

Species: *Arabidopsis lyrata*

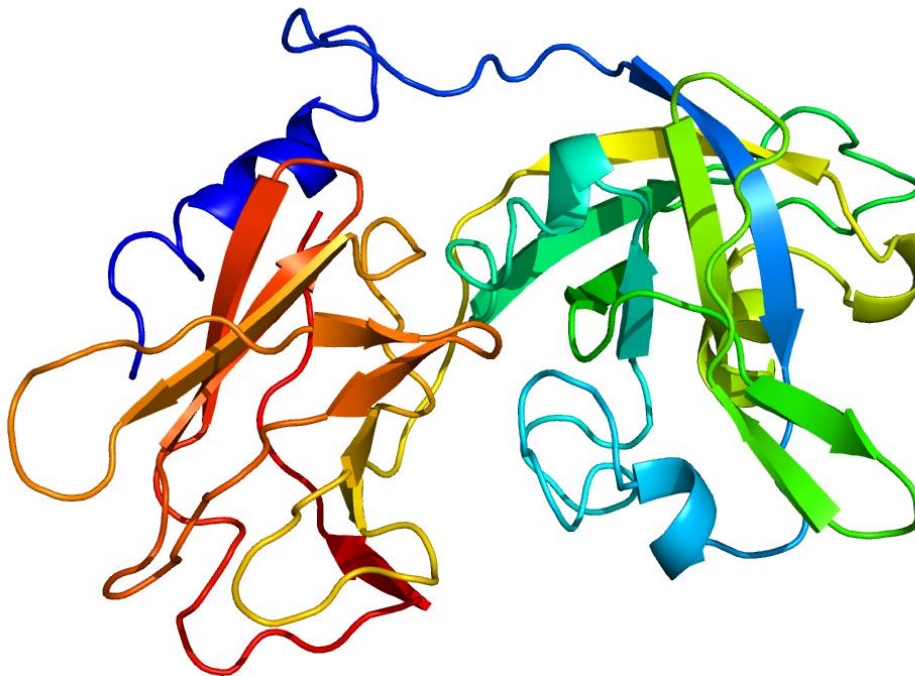
Locus: AL4G37130

Gene Model: AL4G37130.t1

Description: ALEXPA-10

Family: Alpha Expansin

3D structure:



GENOME DATABASES

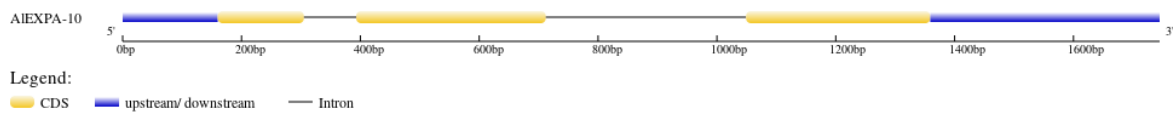
Phytozome: https://phytozome-next.jgi.doe.gov/info/Alyrata_v2_1

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

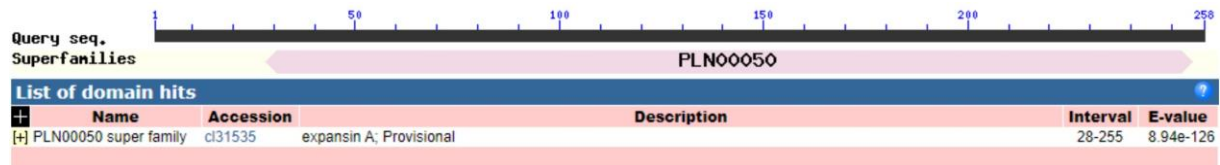
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>AIEXPA-10

MAIKLAILFTTFVLFSLADARIPGVYSGSAWQNAHATFYGGSDASGTMGGACGYGNL
YSQGYGTNTAALSTALFNNGMSCGACFELKCANDPQWCHSGSPSILITATNFCPPNL
AQPSDNGGWCNPPREHFDLAMPVFLKIAQYRAGIVPVSYRRVPCRKRGGIRFTINGH
RYFNLVLITNVAGAGDIVRASVKGSRTGWMSLSRNWQNWQSNVAVLVGQSLFRV
TGSDRRTSTSWNMVPSNWQFGQTFVGKNFRV*

CDS (coding sequence)

>AIEXPA-10

ATGGCTATTAAGCTAGCAATTCTCTTTACCACATTTGTCCTTTTTAGCCTCGCCGA
CGCTAGAATTCCCAGCGTCTACTCCGGCAGCGCATGGCAAACGCACACGCCACT
TTTTACGGTGGCAGCGACGCTCCGGCACAAATGGGAGGAGCTTGTGGTTACGGTA
ACCTATACAGCCAAGGCTATGGTACCAACACGGCAGCTTTGAGCACGGCGCTGTT
TAACAATGGTATGAGTTGTGGAGCCTGCTTTGAGCTAAAATGCGCCAATGACCCT
CAATGGTGCCACTCAGGTAGTCCTTCGATCCTCATCACCGCAACCAATTTCTGCC
ACCAAACCTTGCTCAGCCTAGCGACAACGGAGGATGGTGCAACCCGCCACGTGA
ACATTCGATCTAGCCATGCCTGTCTTCTCAAGATCGCTCAATATCGTGCGGGCA
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CACAATCAACGGTCACCGTTACTTCAACTTGGTTCTGATCACTAACGTGGCTGGA
GCAGGAGACATCGTGAGGGCAAGTGTGAAAGGTTACGGACTGGTTGGATGAGT
TTGAGCAGGAAGTGGGGACAAAACCTGGCAATCTAATGCTGTTTTGGTTGGTCAGT
CACTTTCTTTCCGCGTCACAGGCAGTGACCGTAGAACATCTACTTCTGGAACAT
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AA

Nucleotide

>AIEXPA-10

ACTCCTTCTTCCACCATTCTCATCTCCAAACAAACCTAACTCTTTCTCTATACA
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TCATCACCGCAACCAATTTCTGCCACCAAACCTTGGCTCAGCCTAGCGACAACGG
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AACAAATTTAGATAAAACGGCTAAAAACAATTAGTGGAGGTCATTTTGTCTCTA
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CTAATAGTTGAACATTCTTAGTTTTAAGTCCTTGAAAATCAAATTTTGATGATATT
TTCCTAAATTTTAGTTTATTTGCTGTCTCTAATGAACAAATTAATCATTACATTTG
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CTTGTAGGAAGAGAGGAGGGATAAGGTTCAACAATCAACGGTCACCGTTACTTCA
ACTTGGTTCTGATCACTAACGTGGCTGGAGCAGGAGACATCGTGAGGGCAAGTGT
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ATTAAAGTATTTTACATGTTTGGTTCTAAGTTACAACCTTGTAACGTTTAATCTCGT
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