

IDENTIFICATION

Species: *Arabidopsis lyrata*

Locus: AL5G42880

Gene Model: AL5G42880.t1

Description: ALEXPB-02

Family: Beta Expansin

3D structure:



GENOME DATABASES

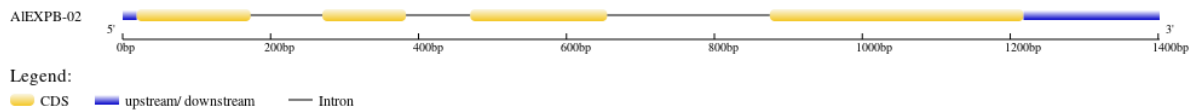
Phytozome: https://phytozome-next.jgi.doe.gov/info/Alyrata_v2_1

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

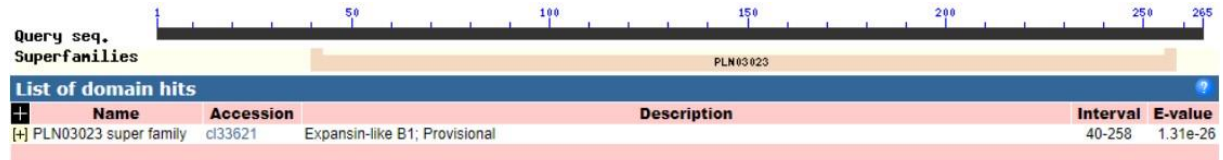
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>AIEXPB-02

MASSSLKCLSSIVVLTFFAISLKPCSGHNKTHWNTAGITWYGDREGPGSTGGACGY
GDAVAKHPYRCMVSAGGPSLFDKDGKGCACGYRLKCDHPLCTKKPIKVMISDECPCG
TKEAVHFDLSGKAFGALAKRGKGDQLRNLGELKVS YKRACCKHPKAKIAIHVDSGA
NPYYMSFAVKFANGDGNFACIEVQPAGGKYLKMEEMRSAVWRLSPGVPLKGPFNIR
LTSAVSGKKIVAKGVIPEKWSPGAIYHSKVNFPVQRKQK*

CDS (coding sequence)

>AIEXPB-02

ATGGCTTCCTCATCTCTCAAATGTTTGTCTTCTATCGTTGTTCTTACAACCTTCTTT
GCAATCTCATTGAAGCCTTGTTCTGGCCACAATAAAACCCACTGGAACACCGCCG
GCATCACTTGGTATGGCGACCGCGAAGGTCCTGGCAGCACAGGAGGAGCTTGTG
GATATGGTGATGCAGTGGCAAAGCACCCGTACAGATGTATGGTTTCAGCCGGAG
GACCTTCATTGTTCAAAGATGGAAAGGGTTGTGGGGCATGTTACAGGCTTAAATG
CGACCATCCGTTGTGCACGAAAAAGCCGATTAAGGTGATGATATCGGATGAGTGT
CCCGGCTGTACGAAGGAGGCTGTTCAATTTGATCTTAGTGGCAAGGCCTTTGGTG
CATTGGCCAAACGAGGCAAGGGCGATCAACTACGCAACCTTGGAGAACTAAAAG
TTAGTTACAAACGTGCATGTTGCAAACACCCGAAGGCTAAGATCGCTATCCATGT
CGACTCCGGAGCAAATCCTTACTACATGTCATTTCGCAGTTAAGTTTGCAAACGGT
GATGGGAACTTCGCCTGCATCGAGGTCCAACCGGCAGGAGGAAAGTATTTGAAA
ATGGAGGAAATGAGATCCGCTGTTTGGAGACTAAGCCCTGGTGTTCCTTTGAAGG
GTCCGTTCAACATCAGGCTTACCTCCGCGGTCTCTGGTAAGAAGATCGTTGCGAA
AGGCGTTATCCCTGAAAAGTGGAGCCCTGGTGCTATTTACCACTCTAAGGTTAAC
TTCCCCGTTCAAAGGAAGCAGAAATGA

Nucleotide

>AIEXPB-02

TTCAAGATCTAAATCAAACATGGCTTCCTCATCTCTCAAATGTTTGTCTTCTATCG
TTGTTCTTACAACCTTCTTTGCAATCTCATTGAAGCCTTGTTCTGGCCACAATAAA
ACCCACTGGAACACCGCCGGCATCACTTGGTATGGCGACCGCGAAGGTCCTGGCA

GCACAGGTAATTAATCAAACCATTAATTCTTCCAATAAACTAATAAAAACCTTGAAA
ACATTTGTCCATATTTACCTATGTACGGTTCGTAAAATATGTATACAGGAGGAGC
TTGTGGATATGGTGATGCAGTGGCAAAGCACCCGTACAGATGTATGGTTTCAGCC
GGAGGACCTTCATTGTTCAAAGATGGAAAGGGTGTGGGGCATGTTACAGGGTAT
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ATTGTCAAAAACCGAGTCGGTTCGGTTTGGTCAAGTTTTTGGATAGAAAAATAAA
TATATATATATATATATATGTTGGATTATATAAATATATATATATATATATATA
CTTAATTCTAATCAATATCATACATATATATATATATATATATATATATATATA
TAT
CAAACACCCGAAGGCTAAGATCGCTATCCATGTCGACTCCGGAGCAAATCCTTAC
TACATGTCATTCGCAGTTAAGTTTGCAAACGGTGATGGGAACTTCGCCTGCATCG
AGGTCCAACCGGCAGGAGGAAAGTATTTGAAAATGGAGGAAATGAGATCCGCTG
TTTGGAGACTAAGCCCTGGTGTTCCTTTGAAGGGTCCGTTCAACATCAGGCTTACC
TCCGCGGTCTCTGGTAAGAAGATCGTTGCGAAAGGCGTTATCCCTGAAAAGTGGA
GCCCTGGTGCTATTTACCACTCTAAGGTTAACTTCCCCGTTCAAAGGAAGCAGAA
ATGATTTAATTTTTCTTCCCCCTAAACGAATTGTAACGTTTGAAGGAAGAGGG
GTTTTATAAACTTGTAAGGGATAGTAAAACTAATTTGAATTTTTTTCATATCTAC
TTATGTTCTTCATATGGGCCTAGAGTTGTTGTCGCTCGGCTAAAAAAGCCCATGAT
TTATAAACGGAACCCGGTTAA