IDENTIFICATION

Species: *Kalanchoe laxiflora*

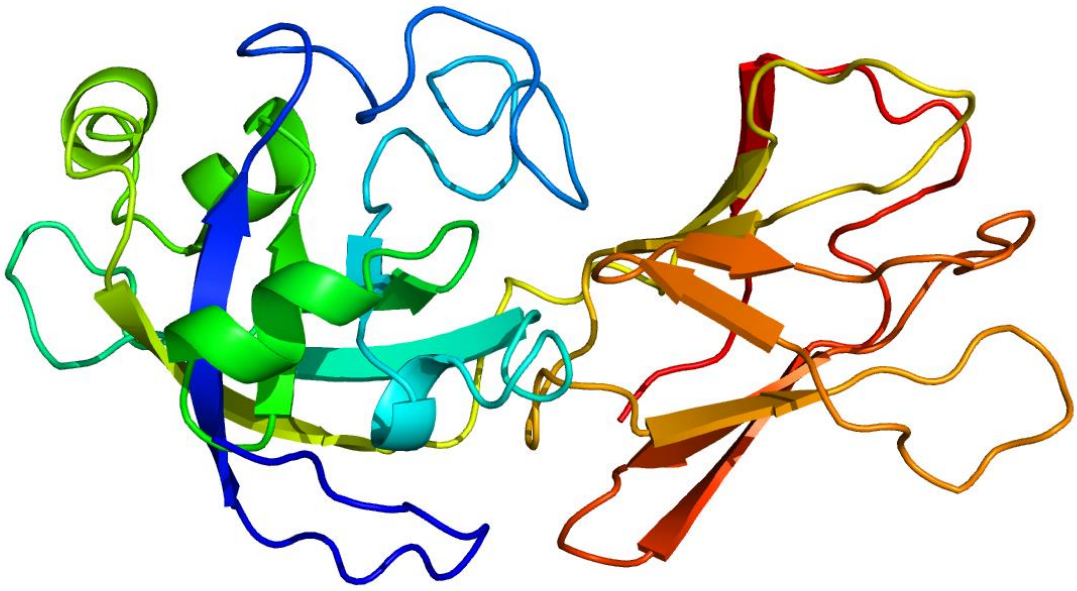
Locus: Kalax.0051s0083

Gene Model: Kalax.0051s0083.1.p

Description: KlEXPB-02

Family: Beta Expansin

3D structure:



GENOME DATABASES

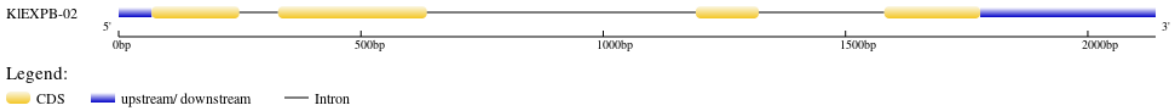
Phytozome: https://phytozome-next.jgi.doe.gov/info/KlaxifloraFTBG2000359A_v3_1

KEGG:-

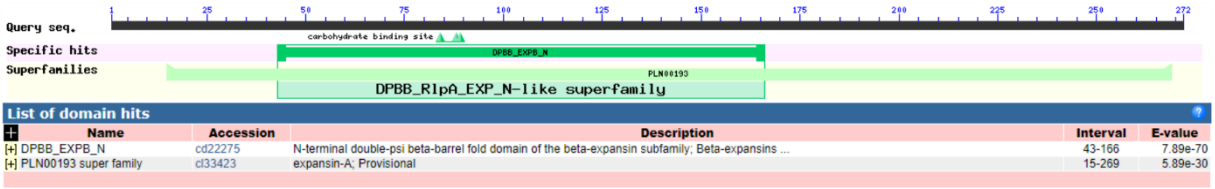
EXTERNAL RESOURCES

-

GENE STRUCTURE



DOMAIN ARCHITECTURE



List of domain hits

Name	Accession	Description	Interval	E-value
[+] DPBB_EXPB_N	cd22275	N-terminal double-psi beta-barrel fold domain of the beta-expansin subfamily; Beta-expansins ...	43-166	7.89e-70
[+] PLN00193 super family	cl33423	expansin-A; Provisional	15-269	5.89e-30

SEQUENCES

Peptide

>KlEXPB-02

MQFLGQRIFGSVTIMSTILLTFSLLPLHFDGIEAKIHLPLSHWQSATATWYGEPDGDGS
SGGACGYGSLVDVKPLKARVGAVSPILFKGGEGCGACYKVKCLDRSICSRKAVTVIIT
DECPGGYCSAGRTHFDLSGAAFTRMAVPGLGPSLRNRGEISVLFRRTECKYPGKNVA
FHVNEGSTDHWLALLVEFEDADGDVGSMHLRQANSDDWLRMDHLWGANWCLNQ
GPLKGPFSVKITTLSTNRTLSARDVIPKNWSPKATYTSRLNFQL*

CDS (coding sequence)

>KlEXPB-02

ATGCAGTTCCTCGGACAGAGAATTTTTGGGTCAGTGACGATAATGTCGACCATTC
TCTTGACTTTCTCTCTTCTTCCTCTTCATTTTGATGGCATTGAGGCCAAGATCCACC
TTCCTCTTTCACACTGGCAATCTGCCACCGCCACCTGGTACGGGGAGCCTGACGG
TGACGGAAGCAGCGGTGGAGCTTGCGGGTACGGGTCGCTGGTGGACGTGAAGCC
GCTGAAAGCCAGAGTCGGAGCCGTTTCGCCAATTTTGTTCAAGGGAGGAGAAGG
GTGCGGCGCCTGCTACAAGGTGAAATGCTTGGACAGGAGCATATGCTCCCGGAA
AGCGGTCACCGTGATTATCACGGACGAGTGTCCGGGCGGTTACTGTTCGGCGGGT
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TCGGACCCAGTTTGAGAAACCGGGGCGAGATCTCCGTCCTCTTCCGTCGGACTGA
ATGCAAGTATCCGGGGAAGAATGTAGCTTTTCACGTGAATGAAGGTTCGACAGAC
CACTGGTTAGCTCTTCTGGTTGAGTTTGAGGATGCAGATGGTGACGTTGGTTCCAT
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CAACTCTATCCACTAACCGAACATTGTCGGCAAGGGATGTCATTCCCAAAAACTG
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Nucleotide

>KlEXPB-02

GCAAGCAGAGAGCTTCCCCTCTTTGTTTCCCTCTTTCTCGGGATATCCGCCCATCG
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CGGGGCGAGATCTCCGTCCTCTTCCGTCGGTAACTGAAATTCACTTCTCCTCCTTT
CCTATGCTTAATTTTTATGACGAAATTGCCACTGTGAAATTAAATCTTAGTCCTCT
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