

IDENTIFICATION

Species: *Kalanchoe laxiflora*

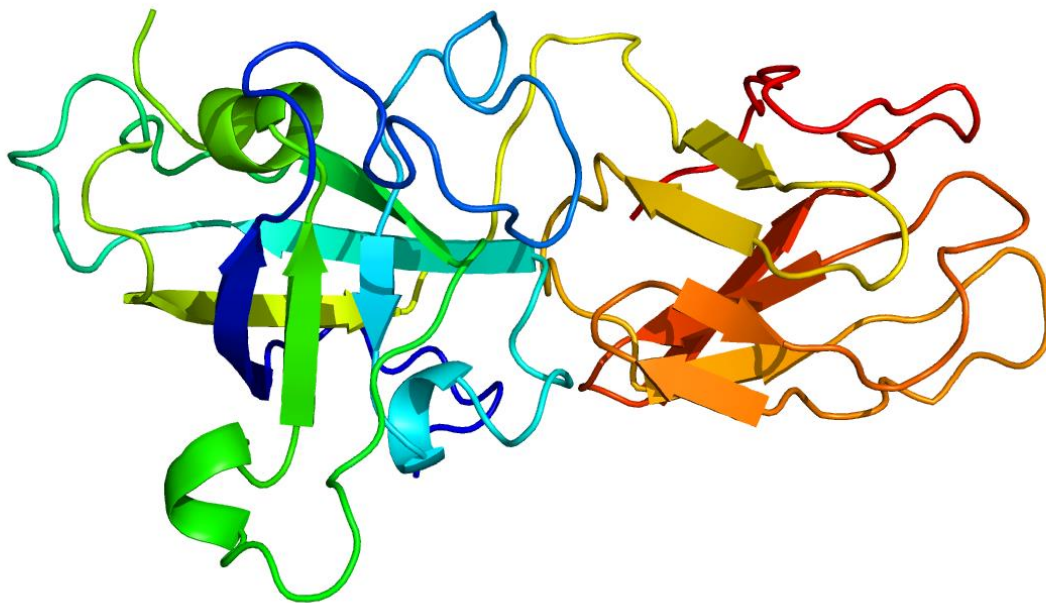
Locus: Kalax.0610s0018

Gene Model: Kalax.0610s0018.1.p

Description: KlEXPA-49

Family: Alpha Expansin

3D structure:



GENOME DATABASES

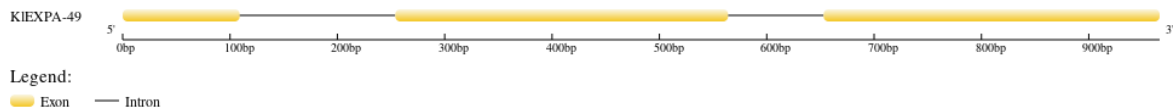
Phytozome: https://phytozome-next.jgi.doe.gov/info/KlaxifloraFTBG2000359A_v3_1

KEGG:-

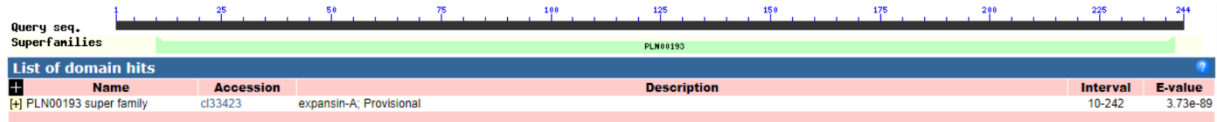
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>KIEXPA-49

MVATISAITNCAGASAARWSDGHATYYGANLSPATLGGACGYDDTVHAGFGVNTA
AVSGVLFRRGGQACGACYQVMCDMRTDPKWCVRGGA VTVTATNYCPPNNMGGWC
DAPRRHLDMSAPAFFKVAKPGNEGIIPILYRRIGCERRGGVRF¹⁰TLKGQSSFSMVMISN
VGGSGDVRAAWIKVSMRTGWVPMHRNWGANWQTSIELRRRNLSFKVALADGKMM
EFRNVVPSTWSFGQTYSSSAQFS*

CDS (coding sequence)

>KIEXPA-49

ATGGTGGCGACCATTTCGGCTATCACCAACTGTGCTGGTGGCGAGCGCCGCTCGCT
GGTCTGATGGCCATGCAACCTATTACGGGGCCAATCTCAGCCCTGCAACTCTTGG
TGGTGCCTGTGGGTACGATGACACGGTGCACGCCGATTTCGGAGTGAACACGGC
AGCCGTGAGCGGCGTCCTTTTCAGGGGCGGGCAAGCTTGCGGAGCTTGCTACCAG
GTGATGTGTGACATGAGGACAGACCCCAAATGGTGC¹⁰GTGAGAGGAGGAGCTGTG
ACAGTCACCGCCACGA²⁰ACTACTGCCCTCCCAACAACATGGGCGGCTGGTGGCGATG
CTCCCCGACGCCATCTCGACATGTCCGCTCCTGCATTCTTCAAAGTCGCCAAACCA
GGAAACGAAGGCATCATA³⁰CCCATCCTCTATAGAAGGATTGGGTGTGAGAGGCGT
GGAGGGGTTTCGGTTCACGTTGAAGGGCCAGTCCAGCTTCAGCATGGTGTGATGATCT
CAAATGTGGGAGGGAGTGGCGATGTGAGGGCGGCATGGATCAAGGTGTGATGA
GGACTGGCTGGGTTCCCATGCATAGAAATTGGGGCGCCA⁴⁰ACTGGCAAACCAGCA
TCGAGTTGCGCAGACGAAACTTGTCTTTAAGGTGGCTTTGGCGGACGGGAAGAT
GATGGAGTTC⁵⁰CGCAATGTTGTTCCCTCAACATGGTCCTTCGGCCAGACCTATTCTT
CTTCAGCTCAGTTCTCTTAA

Nucleotide

>KIEXPA-49

ATGGTGGCGACCATTTCGGCTATCACCAACTGTGCTGGTGGCGAGCGCCGCTCGCT
GGTCTGATGGCCATGCAACCTATTACGGGGCCAATCTCAGCCCTGCAACTCTTGG
TACTCGCACACCTCATGCCAGACAGCAATGTCGTA¹⁰AAAGGCCCGCGTGTGGTTCGAT
CGCTAGATTGATAATAAATACTTGC²⁰ACTACTGTTACTGTGATGATTAATTGTTGGA
ATAAAGTGGATTTTATTA³⁰AATTTATATGCGTAGGTGGTGCCTGTGGGTACGATGA
CACGGTGCACGCCGATTTCGGAGTGAACACGGCAGCCGTGAGCGGCGTCCTTTTC

AGGGGCGGGCAAGCTTGCGGAGCTTGCTACCAGGTGATGTGTGACATGAGGACA
GACCCCAAATGGTGCATCAGAGGAGGAGCTGTGACAGTCACCGCCACGAACTAC
TGCCCTCCCAACAACATGGGCGGCTGGTGCATGCTCCCCGACGCCATCTCGACA
TGTCCGCTCCTGCATTCTTCAAAGTCGCCAAACCAGGAAACGAAGGCATCATAACC
CATCCTCTATAGAAGGTATATTTCAATAATATTATAAAAATTTAACTGGTACTAT
CAACATAGAGAAGTGTGGGGCCCTAACCAAGTCAATGTTTATGTGTAGGATTGGG
TGTGAGAGGCGTGGAGGGGTTTCGGTTCACGTTGAAGGGCCAGTCCAGCTTCAGCA
TGGTGATGATCTCAAATGTGGGAGGGAGTGGCGATGTGAGGGGCGGCATGGATCA
AGGTGTCGATGAGGACTGGCTGGGTTCCTATGCATAGAAATTGGGGCGCCAACTG
GCAAACCAGCATCGAGTTGCGCAGACGAAACTTGTCTTTTAAGGTGGCTTTGGCG
GACGGGAAGATGATGGAGTTCCGCAATGTTGTTCCCTCAACATGGTCCTTCGGCC
AGACCTATTCTTCTTCAGCTCAGTTCTCTTAA