

IDENTIFICATION

Species: *Kalanchoe laxiflora*

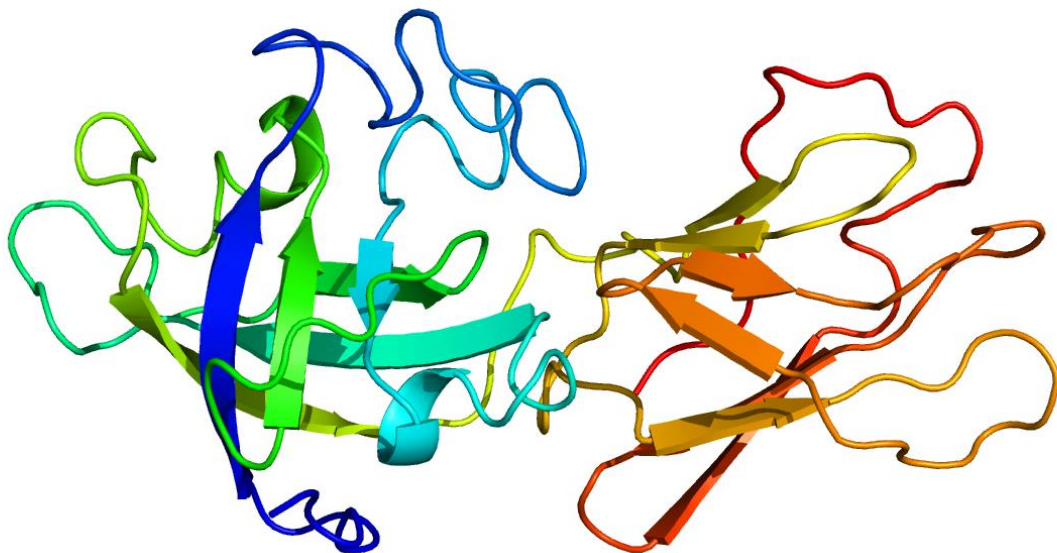
Locus: Kalax.0069s0068

Gene Model: Kalax.0069s0068.1.p

Description: KlEXPA-22

Family: Alpha Expansin

3D structure:



GENOME DATABASES

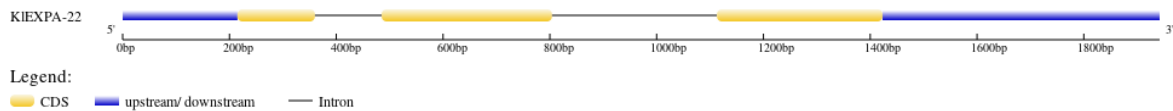
Phytozome: https://phytozome-next.jgi.doe.gov/info/KlaxifloraFTBG2000359A_v3_1

KEGG:-

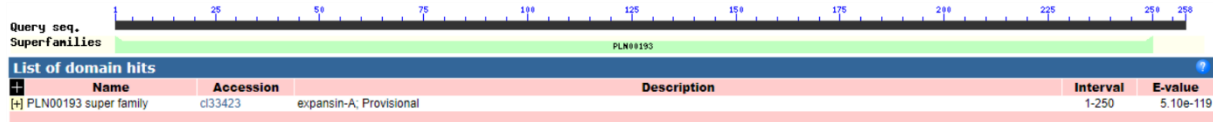
EXTERNAL RESOURCES

-

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>KIEXPA-22

MAFLTLVTATLCLLLASAHARIPGVYSGGAWQTAHATFYGGSDASGTMGGACGYG
NLYSQGYGVNTAALSTALFNNGQSCGSCFELKCANDPQWCHSGSPSIFITATNFCPPN
FAQPSDNGGWCNPPRPHFDLAMPMFLKIAEYRAGIVPVS YRRVPCRKKGGIRFTINGF
RYFNLVLITNVAGAGDIVRASVKGSKTGWMSMSRNWQNWQSNVAVLVGQALSFRL
TGSDRRSSTSWNIVPAHWQFGQTFIGKNFRV*

CDS (coding sequence)

>KIEXPA-22

ATGGCATTCTCACTCTGGTCACCGCCACTCTTTGCCTCCTCCTCGCCTCCGCCCA
CGCCCGCATCCCCGGTGTCTACTCCGGTGGCGCTTGGCAGACCGCCCACGCCACC
TTCTACGGCGGAAGCGATGCCTCTGGTACCATGGGAGGAGCTTGTGGATATGGGA
ACCTGTACAGCCAGGGTTACGGAGTGAACACGGCGGGCGCTAAGCACAGCGCTGT
TCAACAACGGTCAGAGCTGCGGCTCCTGCTTTGAGCTCAAATGCGCCAACGATCC
ACAATGGTGCCACTCTGGCTCTCCATCCATTTTCATCACTGCCACTAACTTCTGTC
CGCCAACTTCGCCCAACCCAGCGACAATGGCGGATGGTGCAACCCTCCCAGGCC
TCATTTTCGATCTCGCCATGCCCATGTTTCTCAAGATCGCTGAGTACCGTGCCGGAA
TCGTCCCCGTTTCTACCGCCGCGTGCCATGCCGAAAGAAGGGGGGAATCAGATT
CACGATCAACGGCTTCCGCTACTTCAACTTAGTCCTAATCACCAACGTGGCCGGC
GCCGGAGACATCGTCAGGGCCAGCGTGAAGGGGTCCAAGACCGGGTGGATGAGC
ATGAGTCGAAACTGGGGTCAGAACTGGCAGTCAAACGCGGTACTGGTCGGTCAA
GCACTGTCATTTCAGACTCACCGGCAGTGACCGCCGCTCCTCCACCTCGTGGAACA
TTGTGCCCGCTCACTGGCAGTTCGGGCAGACATTCATCGGAAAGAATTTTAGAGT
CTGA

Nucleotide

>KIEXPA-22

CCAAAATATGAAGTTTTTAAGTATTTTTTCCCTCTAAAATACTCCCTTAAAAAAA
TTATAATTCCATCCCCTCCAAAATCTCATCCTTGCTTCACTTTAGTTTCACTAGA
CAGACACCATCTCCATCCATAAATACCCACACTTTCCCTCCATCAAACCTCCACAC
CAAGCTCAGATCTTTCCCACTCTTCACCTCCCCATTCTTCTCTTCAATGGCATTCC
TCACTCTGGTCACCGCCACTCTTTGCCTCCTCCTCGCCTCCGCCACGCCCGCATC

CCCGGTGTCTACTCCGGTGGCGCTTGGCAGACCGCCCACGCCACCTTCTACGGCG
GAAGCGATGCCTCTGGTACCATGGGTATGTAACACTCGCACATTTTATTGAAAAT
ATAAATAAGGAGCCATGGGAGTGTATATGTATGTACGTACGTGTATCACTTGGGT
TCAATCAACTGACCCATTCAATTGATTAATTAATTACAGGAGGAGCTTGTGGATA
TGGGAACCTGTACAGCCAGGGTTACGGAGTGAACACGGCGGCGCTAAGCACAGC
GCTGTTCAACAACGGTCAGAGCTGCGGCTCCTGCTTTGAGCTCAAATGCGCCAAC
GATCCACAATGGTGCCACTCTGGCTCTCCATCCATTTTCATCACTGCCACTAACTT
CTGTCCGCCCAACTTCGCCCAACCCAGCGACAATGGCGGATGGTGCAACCCTCCC
AGGCCTCATTTTCGATCTCGCCATGCCCATGTTTCTCAAGATCGCTGAGTACCGTGC
CGGAATCGTCCCCGTTTCTACCGCCGGTATGTCCCTCTCTCCCTTCTCTTGTGCGC
TAGTAACTGCTTTATTTACATGTATTTAGGTTTAGGGGTATACAGTACGATGTCGT
TTGGTTCCAGCGCCGGCGACATTCCCCACTTCTGTAAAGTTAGGTGCAAGTGCAA
GTGGTTATTTAAGAGTTTTTATTGTTTTTTTTCTCACACCATTAGATAAAAAGTTCTTA
ATTACACATCAATCCCATCACTTTACATTAATTTATATTCGAGCACCTGTCTTTAC
CGAAAATTCAAAAAGCAACCCCTAATGTAGTCTTGTCCCTCGTGGTTGACGACAG
CGTGCCATGCCGAAAGAAGGGGGGAATCAGATTCACGATCAACGGCTTCCGCTA
CTTCAACTTAGTCCTAATCACCAACGTGGCCGGCGCCGGAGACATCGTCAGGGCC
AGCGTGAAGGGGTCCAAGACCGGGTGGATGAGCATGAGTCGAAACTGGGGTCAG
AACTGGCAGTCAAACGCGGTACTGGTCGGTCAAGCACTGTCATTCAGACTCACCG
GCAGTGACCGCCGCTCCTCCACCTCGTGGAACATTGTGCCCGCTCACTGGCAGTT
CGGGCAGACATTCATCGGAAAGAATTTTAGAGTCTGAGAGACGAAAACAACACC
CAACCAACAACAAGTGAAGCATTTACAGGGCAATGTTGTGTTATTGAATAGTGCT
TTTAATTGGTTAGTGTAATTTAGGAAAGATTGGATCTTTTAGGTGTTGGGGGGAT
GGAGATGGAAATGGTGATGTGGGTTTGGGTGGGTTTTTGTGTTTATGTGAGGGT
AGAGAAAATTTCTGGAGTGGATTGAGTGTGTGTGGTGAGATGGAGATGGGAGAG
TAGTTTGTATTGTAAGCTGAAGTGGCTAGAAAAGTCTACCCGCAGCTTTAAATTA
ATCACTATTAACAAACATACATATTGAATATGATTATATTTATATTTGCGGTTTTG
GTTCTTGTGTGATGTTTGGAAATTGGATGTCGTGTTTGTGTTCAAGTGATGTTGGAT
TTTTGAGTTTGTGTTGTAGGAGGGATAAGAAATGGAGAAGGGGAATTGATGGTCTA
TGATATTCGGTAGAGGTGGTCAGAGTTTGATTTTTCTTGGTTTTTGAATTTGTAT
CAAAA