

## IDENTIFICATION

**Species:** *Kalanchoe laxiflora*

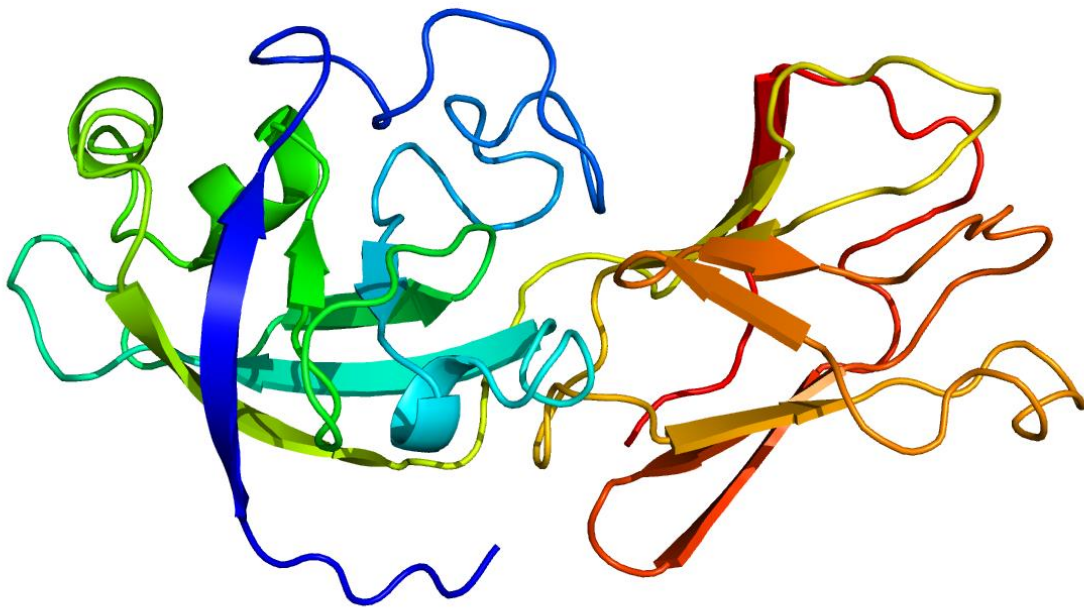
**Locus:** Kalax.0947s0009

**Gene Model:** Kalax.0947s0009.1.p

**Description:** KlEXPB-11

**Family:** Beta Expansin

**3D structure:**



## GENOME DATABASES

Phytozome: [https://phytozome-next.jgi.doe.gov/info/KlaxifloraFTBG2000359A\\_v3\\_1](https://phytozome-next.jgi.doe.gov/info/KlaxifloraFTBG2000359A_v3_1)

KEGG:-

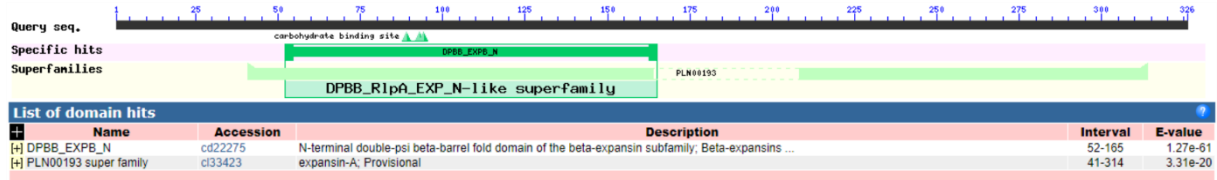
## EXTERNAL RESOURCES

-

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>KIEXPB-11

MESLYAVQRLLAALFSSFLLISPSAYICAARFVTEESFYATTNNGFTKTSATWYGD  
HGAGSTGGACGYGGDVSKRPAYASLISAGGPGFLFKNGRGCACGYQVRCHSNLTC  
APVTVVITDSCPGCPANHFDSLGTAFGAMAKRGKADQLLNAGRISIEYQRILLQIL  
VRVLT AHRRAQIRRYHDDTHHNHLLRIHLFRPQSQDRVPCHFSGSIGFTVVDGAE  
EYFAAAVKFINGAGTLKSVELHEAGSSGWFKMTQRDSA VWYLNKGPLKAPFSLKLT  
STTGKVFVASNVIPTGWSPEQTYWSTGIFRQHRHMLSEPV\*

### CDS (coding sequence)

>KIEXPB-11

ATGGAGAGCTTGTACGCAGTTCAAAGACTGCTTGCTGCTCTTTTCTCATCTTTTCT  
CCTCATTCTCCGAGTGCATACATTTGCGCTGCTAGATTTGTGACTGAAGAATCAT  
TTTACTACGCGACGACTAATAATGGTTTTACAAAACTTCCGCAACCTGGTATGG  
AGACCCCATGGCGCTGGAAGTACCGGCCGGGGCTTGCGGATATGGAGGTGATGT  
TTCCAAACGTCCGGCGTATGCGTCTCTCATATCTGCGGGAGGCCCTGGACTGTTC  
AAAAATGGCAGAGGCTGTGGAGCTTGCTATCAGGTGAGGTGCCACTCAAACCTTA  
CATGTTCAAGCGCGCCGGTGACGGTGGTGATCACGGACAGTTGCCCCGGTTGTCC  
TGCAAACCACTTTGACCTAAGTGGCACCGCTTTCGGAGCAATGGCTAAACGCGGC  
AAGGCAGATCAATTGCTCAATGCTGGAAGAATTAGTATTGAGTACCAAAGAATTC  
TCCTCAAATTCTCCACCGAGTTCGAGTCCCTACTGCCACCGGCCGAGCCAGAT  
CCGCCGATACCATGACGACACCCACCACAACCACCTCCTCCGAATTCATCTCTTC  
GTCCCAATCCCAAGATCGTGTTCCATGCCATTTCCGGAGGGTCTATAGGATTTAC  
AGTGGTGGACGGTGC GGAGGAGTACTATTTTGC GGCTGCCGTA AAATTCATAAAC  
GGAGCTGGCACATTGAAGAGTGTGGAGCTCCATGAAGCTGGGGGGTCTCGGGA  
TGGTTCAAGATGACTCAGCGAGACAGCGCAGTTTGGTATCTGAACAAGGGTCCGC  
TGAAAGCTCCCTTCTCCCTCAAATTA ACTTCAACC ACTGGGAAGGTTTCGTTGCT  
TCGAATGTCATTCCAACCGGATGGAGTCTGAACAGACGTATTGGTCCACCGGCA  
TTTTCAGACAGCATCGTCATATGCTGTCTGAACCAGTTTGA

## Nucleotide

>KIEXPB-11

ATGGAGAGCTTGTACGCAGTTCAAAGACTGCTTGCTGCTCTTTTCTCATCTTTTCT  
CCTCATTCTCCGAGTGCATACATTTGCGCTGCTAGATTTGTGACTGAAGAATCAT  
TTACTACGCGACGACTAATAATGGTTTTACAAAACTTCCGCAACCTGGTATGG  
AGACCCCATGGCGCTGGAAGTACCGGTAATTATTAACGTTATATAAAACACACA  
TGTGAATCATGGAACATACTAAAATTAGAGAATTAATAATTTTAAAATTAGTATT  
CCATTTGAAGAAGAACAGCACCATAAATTTTAATATCGATATCATTTTGGTAACT  
TCGTGTCACTGGTGTTATTGCTGGTAAAAGGCGGGGCTTGCGGATATGGAGGTGA  
TGTTTCCAAACGTCCGGCGTATGCGTCTCTCATATCTGCGGGAGGCCCTGGACTGT  
TCAAAAATGGCAGAGGCTGTGGAGCTTGCTATCAGGTTGAAGATAAATAAAGGA  
ACTTTTTTCGTCTATTGTCAATTGATTTTGAGCGTAATTTTAAATTGGGATTTCTAC  
CATGCATGGATTTTTATTTTTTGAAAATAACAATTTTCTATAGGTGAGGTGCCACT  
CAAACCTTACATGTTCAAGGCGCGCCGGTGACGGTGGTGATCACGGACAGTTGCC  
CGGTTGTCCTGCAAACCACTTTGACCTAAGTGGCACCGCTTTCGGAGCAATGGCT  
AAACGCGGCAAGGCAGATCAATTGCTCAATGCTGGAAGAATTAGTATTGAGTAC  
CAAAGGTACACAACATATTTTCATTGAACCATTTCTGTTTATCATATGAAATCAAT  
CTAAAGAAAACCAATAAGATGTTGGCCTAGTGTTTATCATATGCTACTACTAGCT  
AGATATATCGAAGGAGCGTTGGTATCCGTCATTCCGACGGGTGGTAATTTCCAGA  
ATTCTCCTCCAAATTCTCCACCGAGTTCGAGTCCTTACTGCCACCGGCGAGCCCA  
GATCCGCCGATACCATGACGACACCCACCACAACCACCTCCTCCGAATTCATCTC  
TTTCGTCCCAATCCCAAGATCGGTAGGAAATCCGATATTATCGTTGAAGTAGAG  
AGGATCCAGCGACGGGAATCGAATTTGATTTATCTTTAGTCTGAACAAAATAAAT  
TAGACATTTGGACATCTAAGATATTATTTATATATAATTGTATATATAACCTTACT  
ATCTGTTGTGGGATCAGTGTTCCATGCCATTTTCGGAGGGTCTATAGGATTTACAGT  
GGTGGACGGTGCAGGAGGAGTACTATTTTTCGGGCTGCCGTAAAATTCATAAACGGA  
GCTGGCACATTGAAGAGTGTGGAGCTCCATGAAGCTGGGGGGTCCCTCGGGATGG  
TTCAAGATGACTCAGCGAGACAGCGCAGTTTGGTATCTGAACAAGGGTCCGCTGA  
AAGCTCCCTTCTCCCTCAAATTAACCTTCAACCACTGGGAAGGTTTTCGTTGCTTCG  
AATGTCATTCCAACCGGATGGAGTCCTGAACAGACGTATTGGTCCACCGGTAAC  
TTTAGAAAGAGTTGTTTTAGGGTTTTTCAATAAACTTGCCACCTTTGTAATATAGC  
TTAATGAGTTGAATAAGGAATAATGAGCCATCAGGGTAGTGGTCAAGTGGCAA  
GAGTCTCGCCCCGTGTTCCGTAAAGGTCACGGGTTTCAATGTTGGGTGCGTGTGT  
ATTTTCATGTAACAAATAAGAAGTTACAATTAATAATTTTCATGTAACTTTAAGAAA  
TTAAAATGTATGATTCATGTATTATTCAAATCTCTGATAAAGTACATAAGGCATCT  
CTCGCATTTAATATATGATTCCATAGGACTTATATACTGATATTAGCAAGCTTAAT  
TCCACCTACTTTGGGATGGATTGACTACAAGATTTGGTTAAAATAAACTCAA  
AGTTCCGATTTAAAATGTTTGTAAATTTCTAAGAAGGAAGCAATGTTTTTGGATTT  
TATGCAAGACAAAAGGAATTAAGGAATAATGCACTAAAGAATATGACGAACATA  
AAGAAATGTACTTGTGCAACAAATTTGTTTGCCTCGCAGGCATTTTCAGACAGC  
ATCGTCATATGCTGTCTGAACCAGTTTGA