

IDENTIFICATION

Species: *Citrus clementina*

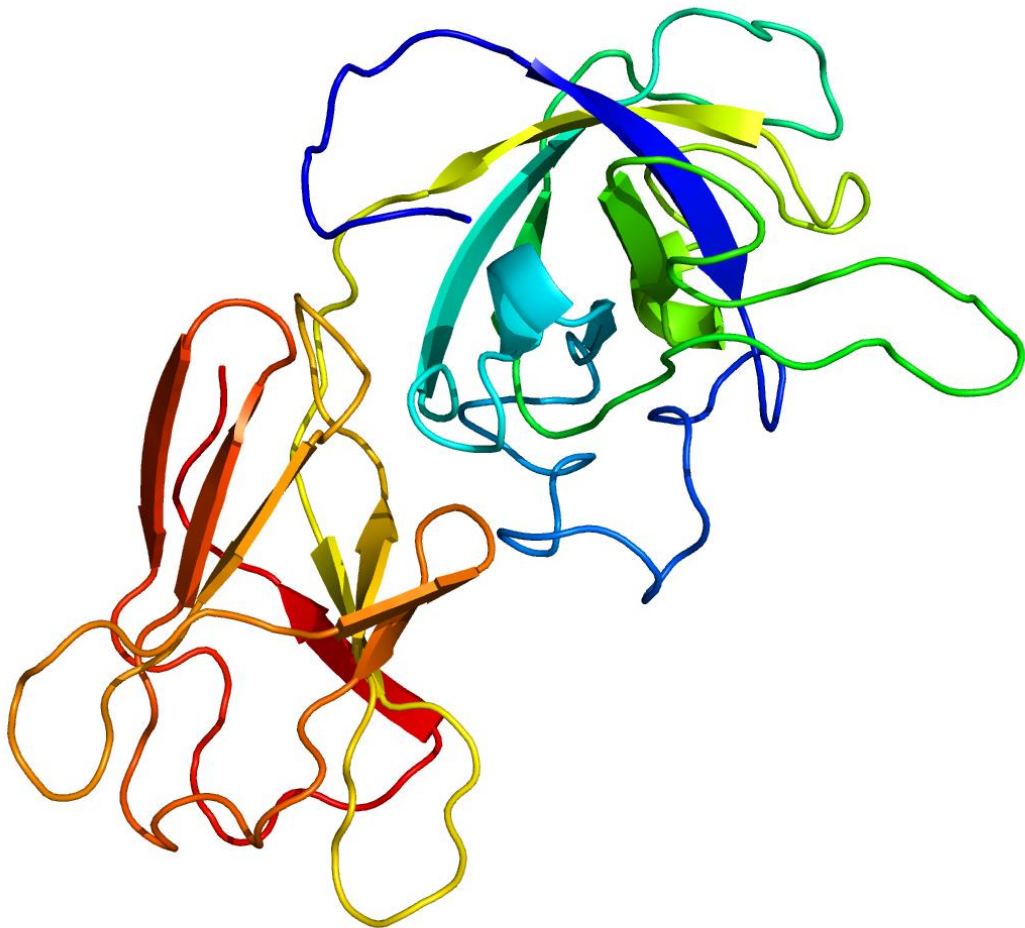
Locus: Ciclev10002233

Gene Model: Ciclev10002233m

Description: CclEXPA-11

Family: Alpha Expansin

3D structure:



GENOME DATABASES

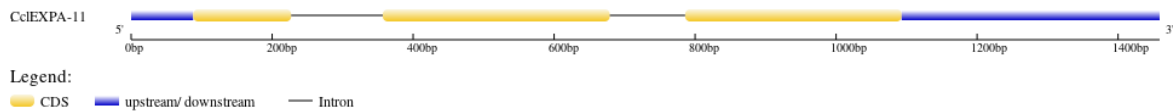
Phytozome: https://phytozome-next.jgi.doe.gov/info/Cclementina_v1_0

KEGG: <https://www.genome.jp/entry/T02982>

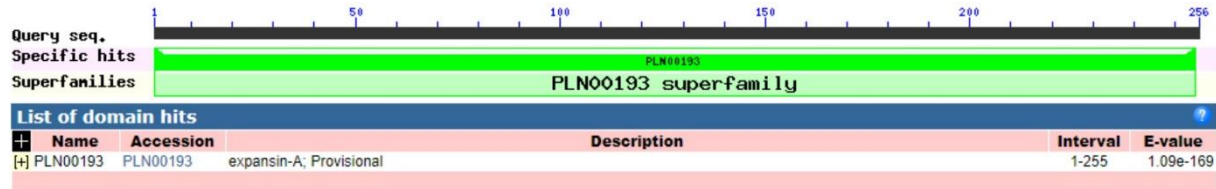
EXTERNAL RESOURCES

<https://www.citrusgenomedb.org/organism/Citrus/clementina>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>CclEXPA-11

MAKTLTSAILIQLCCLSVSIKAFSPSGWTQAHATFYGGSDASGTMGGACGYGNLYS
TGYGISTAALSTALFNDGASCGQCYRIMCDYKSDTRWCIKGTSVTITATNFCPPNFAL
PSDNGGWCNPPRQHFDMAYPAWQKIGIYRGGIVPVLVYQRPCKKPGGVRFTINGRD
YFELVLISNVAGAGSIKSAYIKGSSTNWMAMSRNWGANWQSNAYLNGQSLSFKVT
TDGETRIFPNVPSNWHFGQSFASSIQF*

CDS (coding sequence)

>CclEXPA-11

ATGGCGAAAACCTTGCTTACATCTGCAATCTTGATTCAACTCTGCTGTTTAAGTGT
CAGTATCAAAGCTTTTTTCGCCTTCAGGCTGGACCCAAGCTCATGCCACATTCTACG
GAGGCAGCGATGCCTCAGGGACAATGGGGGGAGCCTGCGGGTATGGCAACTTGT
ATCAACTGGGTATGGAATAAGCACAGCAGCATTGAGCACCGCATTGTTCAACGA
TGGAGCTTCATGTGGGCAATGCTACCGGATCATGTGTGACTATAAATCTGATACT
AGATGGTGCATAAAAGGTACATCTGTAACCATTACCGCTACAACTTTTGCCCTC
CTAACTTCGCTCTTCCAAGCGACAATGGTGGCTGGTGCAATCCTCCTCGCCAGCA
TTTTGACATGGCTTATCCCGCTTGCCAAAAGATTGGCATTACAGAGGCGGGATC
GTGCCCGTTCTGTACCAAAGGGTACCGTGCAAGAAGCCTGGTGGAGTGAGATTCA
CTATTAATGGGAGGGATTATTTGAGCTCGTATTGATTTCAAACGTGGCTGGGGC
TGGATCGATTAAATCTGCATACATCAAAGGTTCAAGTACAAATTGGATGGCAATG
TCAAGAACTGGGGAGCTAATTGGCAATCAAATGCTTATCTCAATGGCCAATCGC
TATCATTCAAAGTCACTACTACAGATGGTGAAACAAGAATATTTCCAAATGTTGT
GCCATCTAACTGGCATTGTTGGCCAATCTTTCGCTAGCAGCATCCAGTTCTAG

Nucleotide

>CclEXPA-11

GCCAATCTAAATATATGTAAATACGCCCTCTTCCGAGAATCAATAGTTTTACC
AAACGTTTTATTGGCCATTGTTTGAGAAAGAAATGGCGAAAACCTTGCTTACATC
TGCAATCTTGATTCAACTCTGCTGTTTAAGTGTCAGTATCAAAGCTTTTTTCGCCT
CAGGCTGGACCCAAGCTCATGCCACATTCTACGGAGGCAGCGATGCCTCAGGGA

CAATGGGTACGTAAATTTTTTCCTTTCACATCCCTAGAGTTTGTTTGTAACCGTTGT
GCTTCAACTTGAACCTAATTTTGAGACTACAATAGCTAATAGAGCATATATATGT
AAAAATCATCTGCATTTGGCTATAGGGGGAGCCTGCGGGTATGGCAACTTGTATT
CAACTGGGTATGGAATAAGCACAGCAGCATTGAGCACCGCATTGTTCAACGATG
GAGCTTCATGTGGGCAATGCTACCGGATCATGTGTGACTATAAATCTGATACTAG
ATGGTGCATAAAAGGTACATCTGTAACCATTACCGCTACAAACTTTTGCCCTCCT
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TGAAATAACATAGCTAGTACCACCGGCATTATGTTTATGATGTTAATTTTGGTGTT
TTTACGGAGCAGGGTACCGTGCAAGAAGCCTGGTGGAGTGAGATTCACTATTAAT
GGGAGGGATTATTTTGAGCTCGTATTGATTTCAAACGTGGCTGGGGCTGGATCGA
TTAAATCTGCATACATCAAAGGTTCAAGTACAAATTGGATGGCAATGTCAAGAAA
CTGGGGAGCTAATTGGCAATCAAATGCTTATCTCAATGGCCAATCGCTATCATT
AAAGTCACTACTACAGATGGTGAAACAAGAATATTTCAAATGTTGTGCCATCTA
ACTGGCATTTTGGCCAATCTTTCGCTAGCAGCATCCAGTTCTAGTCAAGTTGAAA
ACGGCTTCAGGGTACAGGATTTGTGGTTTCAATTGGCAGAGGCGTCCTTGTTATTT
CATTGAAGCAGCCCGCCAGATTTTAATGACTTTTCTGACTATAAGAACGGTTAAT
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TGATTTGTTGATGCTGAAATTATTCAAAGATCATGTAAATAGTCATGCACAACA
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