

## IDENTIFICATION

**Species:** *Citrus clementina*

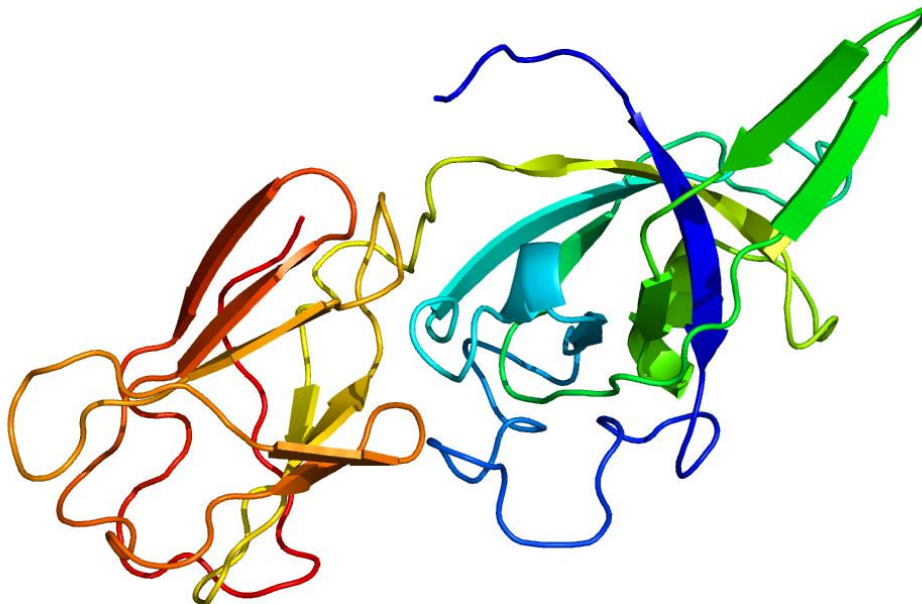
**Locus:** Ciclev10013813

**Gene Model:** Ciclev10013813m

**Description:** CclEXPA-17

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

Phytozome: [https://phytozome-next.jgi.doe.gov/info/Cclementina\\_v1\\_0](https://phytozome-next.jgi.doe.gov/info/Cclementina_v1_0)

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

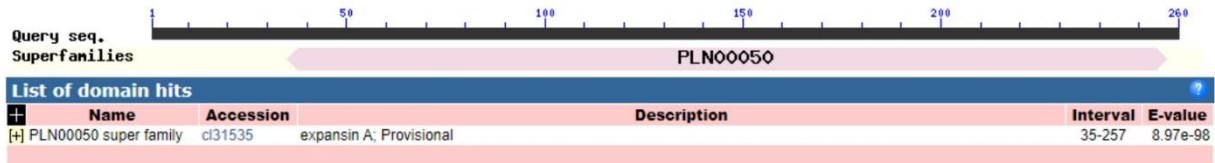
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>CclEXPA-17

MATTGNFFAWFSFMAALAMAVASRLPYDEVKMNGAWEDAHATFYGDMSGGETM  
QGACGYGDLKRQGYGLETAALSTALFNNGSTCGACFEIICVNDPQWCLKGAGSIKIT  
ATNFCPPNYTKSKDIWCNPPQKHFDLSMPMFVKLAPSKAGIIPVRYRRILCSKQGGVK  
FEVKGPNPNWTLVLYNVGGAGDVTAVQVKGSSTGWLPMsrNWGQNWQTGTVLLG  
QGLSFQVTTSDGKTLDFDNVAPRNWQFGQTFQGRNF\*

### CDS (coding sequence)

>CclEXPA-17

ATGGCAACAACCGGTAATTTCTTTGCATGGTTCAGTTTCATGGCTGCTCTTGCAAT  
GGCTGTGGCTTCAAGATTGCCCTACGATGAAGTTAAAATGAATGGTGCCTGGGAA  
GATGCTCATGCTACATTTTATGGTGACATGTCTGGAGGAGAAACCATGCAGGGAG  
CTTGTGGTTATGGTGATCTCAAGAGACAAGGATATGGCCTTGAGACAGCAGCTCT  
AAGCACAGCACTCTTCAACAATGGCTCAACTTGCGGTGCTTGTTCGAAATCATT  
GTGTGAATGATCCTCAATGGTGCTTAAAAGGTGCCGGCTCAATCAAATCACAGC  
AACCAATTTCTGCCCACTTACACAAAGTCAAAGGACATATGGTGAATCCG  
CCCCAGAAACTTTGATCTTTCGATGCCTATGTTTGTCAAATTAGCTCCTTCAA  
AGCGGGGATCATTCTGTGAGATACCGCAGAATCTTGTGTAGCAAGCAAGGTGGT  
GTCAAGTTTGAAGTTAAAGGAATCCGAACTGGACTGGTTTTGGTGTACAATG  
TTGGGGGTGCTGGTGATGTTACCGCTGTGCAGGTCAAGGGATCAAGCACAGGCTG  
GCTGCCATGTCTCGGAACTGGGGCCAGAATTGGCAAACAGGAACAGTACTTCTG  
GGCAGGGTTTGTCAATTCAGGTGACTACAAGTGATGGGAAGACGCTGCTGTTTG  
ATAATGTTGCCCTAGAAATTGGCAATTTGGCCAAACCTTCAAGGGAGACGAAA  
TTTCTAG

### Nucleotide

>CclEXPA-17

ATGGCAACAACCGGTGTAATCTTTATATATATATTTTTGTTCTTTCACAGCTGAT  
TTATTTTCTATAGTAACCAAATTAATAATCTCCATAAACAACAGTTTAATTTTCAG  
AGGTAATGTTTCTTTCATATCAAATATGATGCCATAAATTTACCTTCGCTTA

AACTTAATTTAATTAAACTTGGTCTAAAAATTATATCAATCATATAGAGCTTTCAA  
GCTATGGACAGTTCTAAGAATTTCTTTGCATGGTTCAGTTTCATGGCTGCTCTTGC  
AATGGCTGTGGCTTCAAGATTGCCCTACGATGAAGTTAAAATGAATGGTGCGTGG  
GAAGATGCTCATGCTACATTTTATGGTGACATGTCTGGAGGAGAAACCATGCGTA  
AGCGCGTCAATATCATATTATTTTTGTTAGAATAGTCTGACATATATTACATATTC  
AAGTTTTTATGACAATTA ACTATATAATGACAGAGGGAGCTTGTGGTTATGGTGA  
TCTCAAGAGACAAGGATATGGCCTTGAGACAGCAGCTCTAAGCACAGCACTCTTC  
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ATGGTGCTTAAAAGGTGCCGGCTCAATCAAATCACAGCAACCAATTTCTGCCCA  
CCAAACTACACAAAGTCAAAGGACATATGGTGCAATCCGCCCCAGAAACACTTT  
GATCTTTCGATGCCTATGTTTGTCAAATTAGCTCCTTCAAAGCGGGGATCATTCC  
TGTGAGATACCGCAGAATCTTGTGTAGCAAGCAAGGTGGTGTCAAGTTTGAAGTT  
AAAGGGAATCCGAACTGGACACTGGTTTTTGGTGTACAATGTTGGGGGTGCTGGTG  
ATGTTACCGCTGTGCAGGTCAAGGGATCAAGCACAGGCTGGCTGCCCATGTCTCG  
GAACTGGGGCCAGAATTGGCAAACAGGAACAGTACTTCTGGGGCAGGGTTTGTG  
ATTTCAAGGTGACTACAAGTGATGGGAAGACGCTGCTGTTTGATAATGTTGCCCT  
AGAAATTGGCAATTTGGCCAAACCTTCAAGGGAGACGAAATTTCTAG