

## IDENTIFICATION

**Species:** *Citrus clementina*

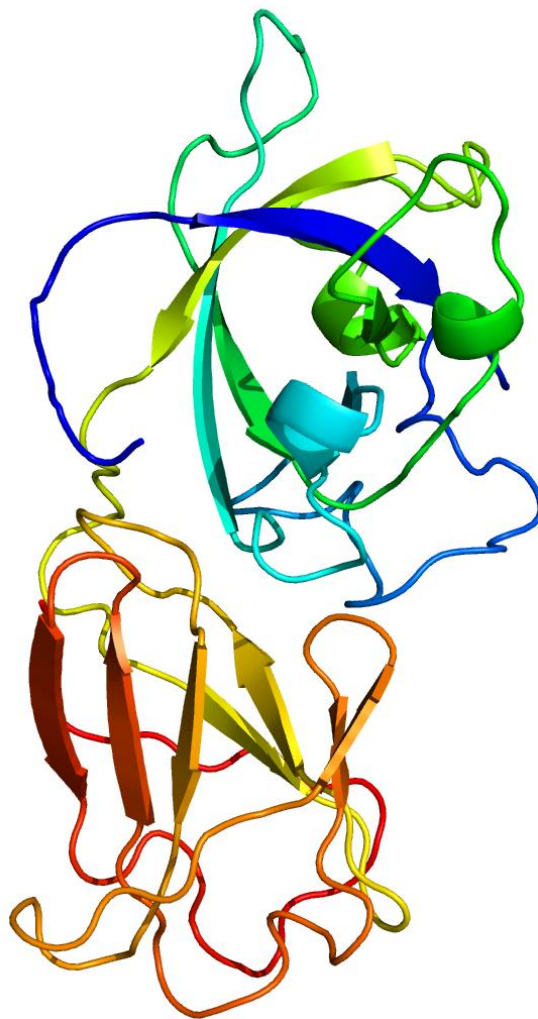
**Locus:** Ciclev10012611

**Gene Model:** Ciclev10012611m

**Description:** CclEXPA-16

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

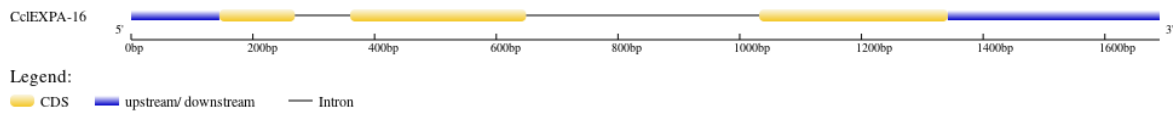
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Cclementina\\_v1\\_0](https://phytozome-next.jgi.doe.gov/info/Cclementina_v1_0)

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

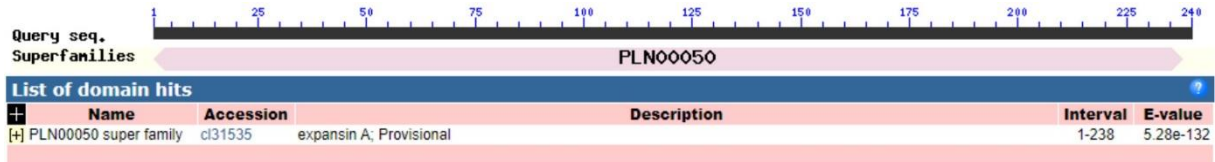
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>CclEXPA-16

MALWVILCVGFLSLVSSVQGYGGWINAHATFYGGGDASGTMGGACGYGNLYSQGY  
GTNTAALSTALFNGLSCGACFQIMCANDPQWCLRGSIIVTATNFCPPGGWCDPPNH  
HFDLSQPVFQHIAQYRAGIVPVIYRRVRCKRNGGIRFTINGHSYFNLVLITNVGGAGD  
VHAWSIKGSRTRWQPMSRNWQNWQSN SYLNGQSLSFVVTTSNHGSVVSYNVAPP  
NWSFGQTYTGRQFRY\*

### CDS (coding sequence)

>CclEXPA-16

ATGGCTCTTTGGGTGATTCTTTGTGTTGGGTTTCTCTCATTGGTCTCATCCGTTCAA  
GGTTATGGAGGTTGGATTAATGCTCATGCAACTTTCTATGGAGGTGGTGATGCTT  
CTGGCACAATGGGGGGCGCTTGTGGGTACGGCAATTTGTACAGCCAAGGTTATGG  
TACTAATACCGCAGCACTTAGCACTGCTTTGTTCAACAATGGCCTAAGTTGTGGA  
GCTTGCTTTCAAATTATGTGCGCTAATGACCCGCAATGGTGCCTGCGTGGCTCCAT  
CATTGTCACTGCCACTAACTTTTGCCCTCCTGGAGGCTGGTGTGATCCTCCTAACC  
ACCACTTIGATCTCTCTCAGCCTGTCTTCCAACACATTGCCCAGTATAGAGCTGGT  
ATTGTTCTGTAATCTACAGAAGGGTGAGATGCAAGAGAAATGGGGGCATAAGG  
TTCACAATCAATGGCCATTCTTACTTCAATTTAGTTCTAATAACAAACGTGGGAG  
GAGCTGGTGACGTGCATGCTGTATCCATCAAAGGTTCAAGGACTAGATGGCAACC  
GATGTGCGAGAACTGGGGCCAAACTGGCAAAGCAACTCGTATCTTAATGGACA  
AAGCCTCTCTTTTGTGTTGTGACCACAAGTAATGGCCACAGTGTTGTTTCTTACAATG  
TTGCCCTCCTAATTGGTCATTTGGGCAGACTTATACCGGCAGACAATTTTCGATAT  
TAG

### Nucleotide

>CclEXPA-16

CTTTCATTTCTCAAACAACTCTCCTTCCAAGGTTCAATTTCTTGCCTTCTCTCCC  
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ACTAATATGCCATATTTTGCAGGAAAAAAAAAATGGCTCTTTGGGTGATTCTTTG  
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GCCAAGGTTATGGTACTAATACCGCAGCACTTAGCACTGCTTTGTTCAACAATGG  
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CTCGCCTTGAGTTTGTATTTTTTTCATTATGGTTCCTTATGGAACAAAAATGTTAGT  
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TTAATGCTTTTGTAAAGGTAAATTAATGAAATTATATATATATATATAAATAAA  
AGCTGTTATAATATATTCTCCTTT