

## IDENTIFICATION

**Species:** *Citrus clementina*

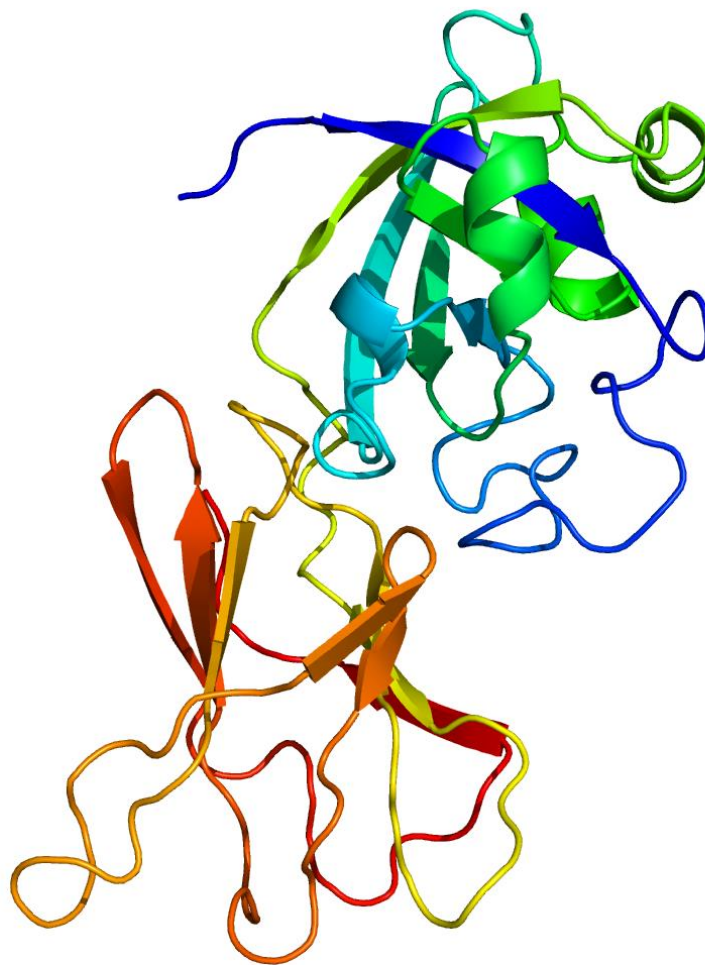
**Locus:** Ciclev10021623

**Gene Model:** Ciclev10021623m

**Description:** CclEXPB-03

**Family:** Beta Expansin

**3D structure:**



## GENOME DATABASES

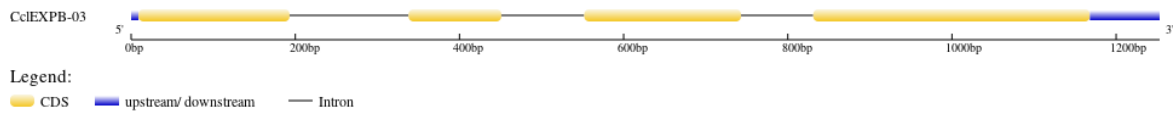
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Cclementina\\_v1\\_0](https://phytozome-next.jgi.doe.gov/info/Cclementina_v1_0)

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

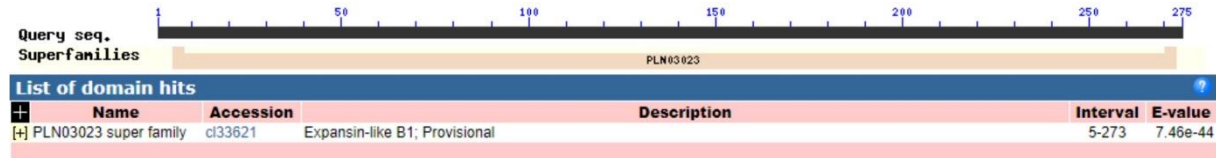
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>CclEXPB-03

MAHVFRYPISFFTLVFMFPLFLHSCWCFNPKLLNITMAESGSDWSPAGATWYGSPTG  
AGSDGGACGYGAAVEQAPFSALISAGGPSLYKSGKGCYQVKCTHPECSGNPVT  
VVITDECPGGPCVSESVHFDLSGTAFGAMAIKADQLRNVGVLQIQHRRVECNYPG  
MRIAfhVDSGSNPnyFATLIEYEDGDGDLASVDLQALDSSDSWLPQRSWGAVW  
KLNYGSTLRAPFSLRLTAAESGKALVAKGVIPAGWQPGQTYRSLVNFTP\*

### CDS (coding sequence)

>CclEXPB-03

ATGGCACATGTTTTTCGATATCCCATATCATTTTTTCACTCTTGTATTCATGTTTCCT  
CTTTTCCTGCACTCATGTTGGTGCTTCAATCCCAAGCTACTTAATATCACCATGGC  
AGAGTCGGGGTCTGATTGGTCCCCGGCTGGGGCAACGTGGTACGGTAGCCCTACT  
GGTGCAGGAAGCGATGGTGGCGCTTGTGGGTACGGAGCGGCAGTGGAGCAAGCC  
CCGTTCTCCGCACTGATTTCTGCTGGAGGCCCTCTTTGTACAAATCTGGCAAAGG  
ATGTGGAGCCTGTTATCAGGTA AAAATGTACACATCCGGAATGCTCGGGAAATCCA  
GTGACAGTGGTCATTACTGATGAATGCCCTGGGGGGCCCTGTGTTTCAGAATCAG  
TTCATTTGCACTTAAGTGGCACTGCTTTTGGAGCTATGGCAATTTCTGGCAAGGCT  
GATCAACTCCGTAACGTTGGGGTCTTACAGATTACGACAGAAAGAGTTGAGTGCA  
ACTATCCTGGCATGAGGATAGCATTTCACGTTGATTCAGGCTCAAACCCTAACTA  
TTTTGCGACACTGATTGAGTACGAAGATGGTGACGGTGACCTTGCTTCAGTTGAC  
CTGCAACAAGCTCTGGACTCATCCGACTCGTGGCTTCCCATGCAACGGTCATGGG  
GTGCTGTTTGGAAACTTAACTATGGATCCACTTTACGTGCTCCGTTTTTCGCTCCGT  
TTAACGGCAGCCGAATCTGGGAAAGCTCTTGTAGCAAAGGAGTTATTCCGGCTG  
GTTGGCAACCTGGACAACTTACCGATCACTTGTCAATTTTACACCCTAG

### Nucleotide

>CclEXPB-03

TACAATAATATGGCACATGTTTTTCGATATCCCATATCATTTTTTCACTCTTGTATTC  
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ACCATGGCAGAGTCGGGGTCTGATTGGTCCCCGGCTGGGGCAACGTGGTACGGTA  
GCCCTACTGGTGCAGGAAGCGATGGTACGTATTTGCAATGGAGATATCTAAATTT

ACAAAATTTTAAAATTATTTAAAACCTAGCATTTTCCTTGTTTTTGTGACTAAGGTA  
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AATTAATTGCCTAATTAATTCTATACTAAAGTAATTAATCTACTCCAGGTA  
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TGCCCTGGGGGGCCCTGTGTTTCAGAATCAGTTCATTTGACTTAAGTGGCACTGC  
TTTTGGAGCTATGGCAATTTCTGGCAAGGCTGATCAACTCCGTAACGTTGGGGTC  
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CCAAATTTTTTAAAGTCACCATACGTCAAATGGCCACTTTAATTAATTTGCAGAGT  
TGAGTGCAACTATCCTGGCATGAGGATAGCATTTACGTTGATTCAGGCTCAAAC  
CCTAACTATTTTGCGACACTGATTGAGTACGAAGATGGTGACGGTGACCTTGCTT  
CAGTTGACCTGCAACAAGCTCTGGACTCATCCGACTCGTGGCTTCCCATGCAACG  
GTCATGGGGTGCTGTTTGGAACTTAACTATGGATCCACTTTACGTGCTCCGTTTT  
CGCTCCGTTTAAACGGCAGCCGAATCTGGGAAAGCTCTTGTAGCAAAAGGAGTTAT  
TCCGGCTGGTTGGCAACCTGGACAACTTACCGATCACTTGTC AATTTTACACCCT  
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GACTTAAAAAATAGCTATCTTTTTTTGAAG