

IDENTIFICATION

Species: *Citrus clementina*

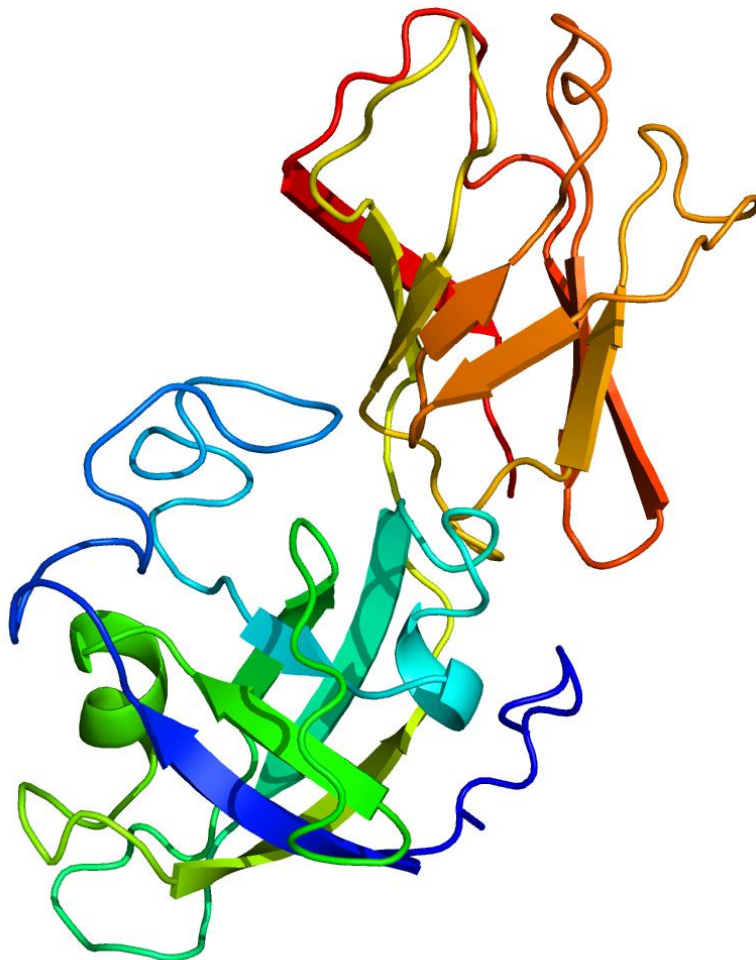
Locus: Ciclev10012472

Gene Model: Ciclev10012472m

Description: CclEXPA-15

Family: Alpha Expansin

3D structure:



GENOME DATABASES

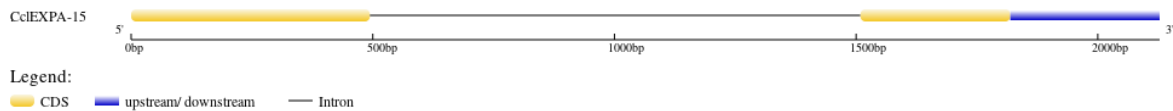
Phytozome: https://phytozome-next.jgi.doe.gov/info/Cclementina_v1_0

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

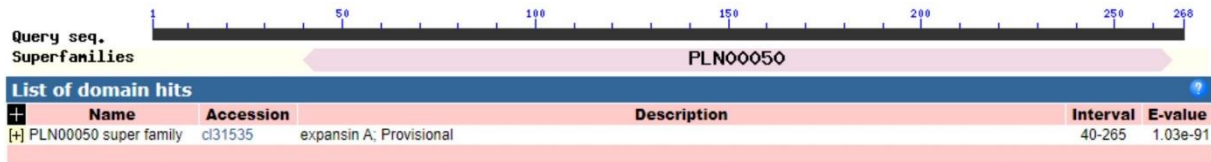
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>CclEXPA-15

MSPQLLTLVIQLLLLFTPAPTTVTSHYNYNFTSTSPPSQSEWRPARATFYAASDPRDK
VGGACGYGDLEKAGYQGATAGLSEILFERGQICGACFELRCVEDIRWCIPGTSIIIVTVT
NFCAPNYGFNPDGGGHCNPPNKHVFLPIEAFEKIAIWKAGNMPVQYRRIKCRKEGGI
RFTIDGSDIFISALISNVAGAGDVVAVKIKGSRTGWLPMGRNWGQNWHEINANLKNQP
LSFEVTTSDGLTVTSYNVAPKNWNFGQTFEGKQFES*

CDS (coding sequence)

>CclEXPA-15

ATGTCGCCACAACACTGTAACTCTTGTAATACAACACTGCTGCTTCTGTTACACACCAGC
ACCGACAACAGTCACCTCACACTACAACACTACAACCTCACTTCCACGTCTCCCCCA
TCGCAATCCGAGTGGCGGGCCGGCACGCGCCACTTTCTACGCGGCCTCCGATCCCC
GTGACAAGGTGGGCGGCGCGTGCGGGTACGGCGACCTCGAAAAGGCAGGCTACG
GTCAGGCCACCGCTGGACTGTCTGAGATTCTCTTCGAGCGCGGCCAGATCTGCGG
CGCCTGCTTTGAGCTCCGCTGTGTCGAGGATATCCGATGGTGCATTCCTGGAACCT
CTATAATTGTCACTGTCACTAACTTTTGTGCTCCTAATTACGGTTTTAACCCCGAT
GGCGGTGGCCACTGTAATCCTCCTAATAAGCATTTTGTCTTCCCATCGAGGCTTT
CGAGAAAATCGCCATTTGGAAAGCTGGCAACATGCCCGTCCAGTACCGCAGGAT
AAAGTGCAGAAAGGAAGGAGGCATTCGATTTACGATTGATGGTTCGGATATCTTC
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TCAAGGGTTCAAGAACCGGTTGGCTTCCAATGGGTTCGGAATTGGGGCCAAAACCTG
GCACATAAATGCCAATCTGAAAAATCAACCTCTCTCATTGAGGTCACCACTAGT
GATGGCCTCACGGTTACATCTTATAATGTTGCTCCTAAGAATTGGAACCTTTGGGC
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Nucleotide

>CclEXPA-15

ATGTCGCCACAACACTGTAACTCTTGTAATACAACACTGCTGCTTCTGTTACACACCAGC
ACCGACAACAGTCACCTCACACTACAACACTACAACCTCACTTCCACGTCTCCCCCA
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AACCAAAGGACAAGGGGCAAAGTTTACAGGGGTGATTGTTTTTGGATAATTATTG
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