

IDENTIFICATION

Species: *Citrus clementina*

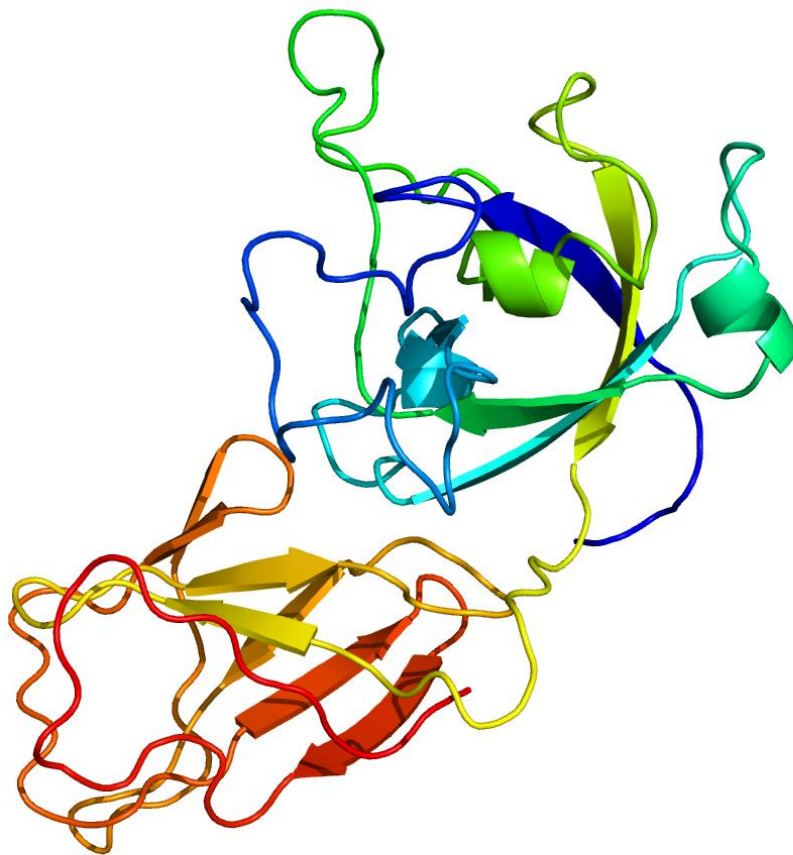
Locus: Ciclev10029094

Gene Model: Ciclev10029094m

Description: CclEXPA-19

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>

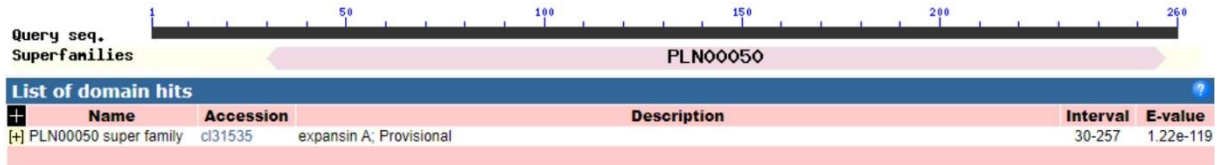
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>CclEXPA-19

MAVVNWAGVILSLVCLMWVADARLPGDYSGGPWQSAHATFYGGSDASGTMGGAC
GYGNLYSQGYGVNTAALSTALFNNGLSCGACFEIKCANEPAWCHSGSPSILVTATNF
CPPNYALPSDNGGWCNPPRPHFDLAMPMLKIAEYRAGIVPVS YRRVPCRKKGGIRF
TINGFRYFNLVLVTNVAGAGDILRVNVKGSRTGWMSMSRNWGQNWQSNVAVLIGQS
LSFRVKASDRRSSTSWNIVPANWQFGQTFVGKNFRV*

CDS (coding sequence)

>CclEXPA-19

ATGGCGGTGGTGAATTGGGCTGGCGTTATCCTCTCTTTAGTATGCTTAATGTGGGT
GGCTGATGCAAGACTCCCTGGCGATTACTCCGGTGGCCCATGGCAAAGCGCCCAT
GCCACCTTTTACGGCGGCTCTGACGCCTCCGGTACCATGGGAGGAGCGTGCGGTT
ACGGTAACTTGTACAGCCAGGGCTACGGCGTGAACACAGCGGCGCTGAGCACGG
CGCTGTTCAACAATGGCTTGAGCTGCGGTGCTTGCTTTGAGATCAAGTGTGCAA
CGAACCCGCGTGGTGTCACTCCGGGAGCCCTTCCATTTTGGTTACCGCTACAAAC
TTTTGCCCGCCAATTACGCACTCCCAAGTGACAATGGCGGCTGGTGTAAACCCTC
CTCGCCCTCATTTTGACCTCGCCATGCCCATGTTCCCTCAAGATTGCTGAGTACCGC
GCCGGCATCGTCCCCGTCTCCTACCGCCGGGTACCATGCCGCAAGAAGGGAGGA
ATCAGGTTACAATAAACGGGTTCCGCTACTTCAACTTGGTTCTGGTCACCAACG
TGGCGGGTGCAGGGGATATCCTGAGGGTGAACGTGAAAGGGTCAAGAAGTGGCT
GGATGAGCATGAGCCGTAAGTGGGGCCAAACTGGCAGTCAAACGCAGTGCTGA
TAGGGCAGTCACTTTTCGTTTAGGGTGAAGCCAGTGACCGACGCAGCTCCACCTC
GTGGAACATTGTGCCAGCTAACTGGCAGTTTGGTCAAACATTCGTTGGAAAGAAT
TTCAGAGTCTAA

Nucleotide

>CclEXPA-19

ATTCCTCAACCCAAAATAACTACACGGAGCTGTGTCTTCTTTGTGAGTGAAGAG
AATAAAGAAACGATGGCGGTGGTGAATTGGGCTGGCGTTATCCTCTCTTTAGTAT
GCTTAATGTGGGTGGCTGATGCAAGACTCCCTGGCGATTACTCCGGTGGCCCATG
GCAAAGCGCCCATGCCACCTTTTACGGCGGCTCTGACGCCTCCGGTACCATGGGT

