

## IDENTIFICATION

**Species:** *Capsella rubella*

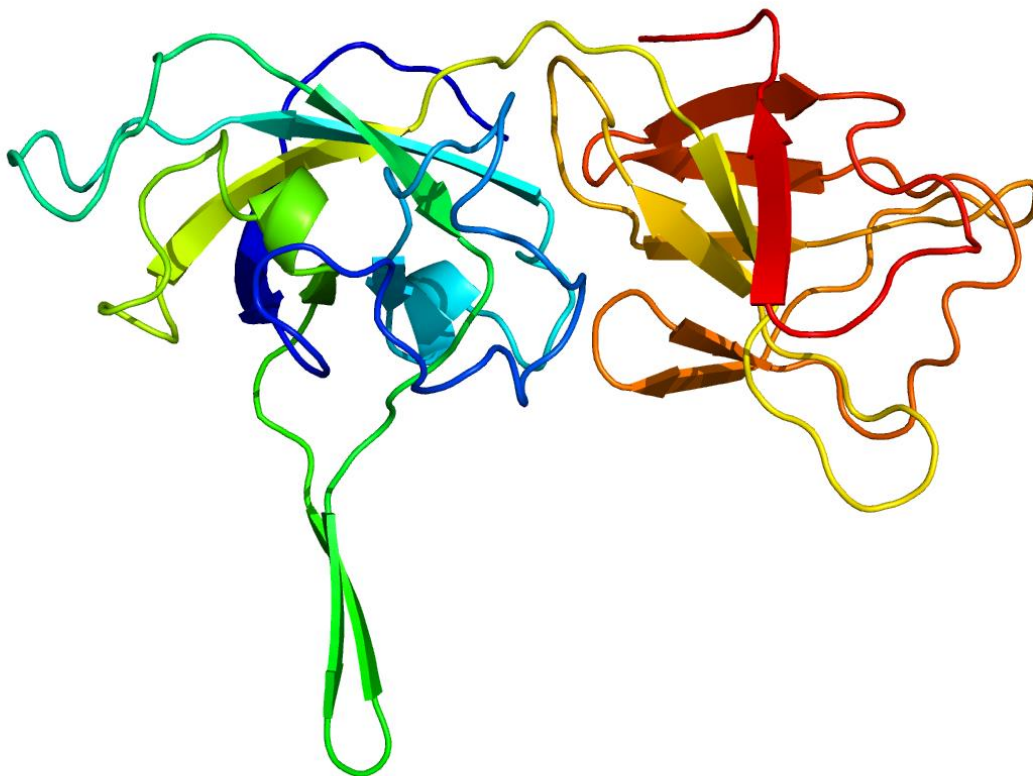
**Locus:** Carub.0006s3557

**Gene Model:** Carub.0006s3557.1.p

**Description:** CrEXPA-19

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

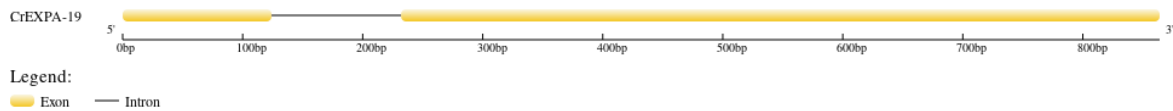
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Crubella\\_v1\\_1](https://phytozome-next.jgi.doe.gov/info/Crubella_v1_1)

KEGG: <https://www.genome.jp/entry/gn:T02984>

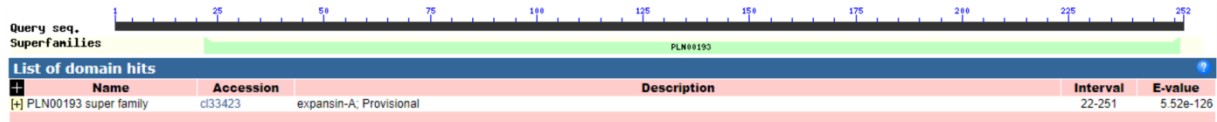
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>CrEXPA-19

MTKICSLLVAVIFSMTISSVSAGWLKAHATFYGGSDASGTMGGACGYGNLYTDGYK  
TNTAALSTALFNDGKSCGGCYQIVCDATKVPQWCLRGRSITITATNFCPPNFAQASDN  
GGWCNPPRPHFDMAQPAFLTIKAKYKAGIVPILYKRVGCRSSGGMRFMRMNGRNYFEL  
VLISNVAGAGEISKVWIKGSKSNKWETMSRNWGANFQSNTYLNQSLSFKVQLSNG  
RIKAALNVVPSNWRFGQSFKSNINF\*

### CDS (coding sequence)

>CrEXPA-19

ATGACGAAGATTTGCTCTCTTTTGGTCGCAGTGATCTTCTCCATGACGATCAGCTC  
AGTTTCTGCTGGTTGGTTGAAGGCTCATGCTACCTTCTATGGCGGTAGTGATGCTT  
CTGGTACAATGGGTGGAGCTTGTGGTTATGGAAACCTATACACAGACGGTTACAA  
GACAAACACTGCAGCGCTAAGCACAGCACTGTTCAACGATGGTAAGTCATGCGG  
TGGATGTTACCAAATCGTGTGCGACGCGACCAAAGTACCACAATGGTGTCTCAGA  
GGCAGATCAATCACAATCACTGCCACAACTTCTGTCCACCAAACCTTTGCTCAGG  
CAAGCGACAATGGAGGATGGTGCAACCCACCGAGACCACACTTCGACATGGCTC  
AGCCTGCGTTTCTCACCATCGCCAAGTACAAAGCTGGGATCGTCCCCATTCTTTAC  
AAAAGAGTTGGGTGCAGAAGAAGCGGAGGGATGAGGTTTAGAATGAACGGTAG  
GAACTATTTGAGCTTGTCTCATCTCAAACGTAGCAGGAGCTGGTGAGATCTCT  
AAAGTTTGGATCAAAGGATCTAAGAGCAACAAATGGGAGACAATGTCAAGAAAC  
TGGGGAGCTAATTTCCAGAGCAACACTTACCTTAATGGTCAATCTCTATCTTTCAA  
AGTTCAACTCAGCAATGGAAGAATCAAAGCAGCTCTCAACGTTGTTCCCTTCGAAC  
TGGCGGTTTGGTCAGAGCTTCAAGAGCAACATCAACTTCTGA

### Nucleotide

>CrEXPA-19

ATGACGAAGATTTGCTCTCTTTTGGTCGCAGTGATCTTCTCCATGACGATCAGCTC  
AGTTTCTGCTGGTTGGTTGAAGGCTCATGCTACCTTCTATGGCGGTAGTGATGCTT  
CTGGTACAATGGGTGAGTCTCTCATTAACTACTAGAGATGAACATTTCAATTTCTTT  
GTTATAGAAAGGAAAGCTTTCTTTGTCAAGAAACCCTCTCATCTTTTTTATC  
TTCTTCAGGTGGAGCTTGTGGTTATGGAAACCTATACACAGACGGTTACAAGACA  
AAACTGCAGCGCTAAGCACAGCACTGTTCAACGATGGTAAGTCATGCGGTGGAT

GTTACCAAATCGTGTGCGACGCGACCAAAGTACCACAATGGTGTCTCAGAGGCA  
GATCAATCACAATCACTGCCACAACTTCTGTCCACCAAACCTTTGCTCAGGCAAG  
CGACAATGGAGGATGGTGCAACCCACCGAGACCACACTTCGACATGGCTCAGCC  
TGCGTTTCTCACCATCGCCAAGTACAAAGCTGGGATCGTCCCCATTCTTTACAAA  
AGAGTTGGGTGCAGAAGAAGCGGAGGGATGAGGTTTAGAATGAACGGTAGGAAC  
TATTCGAGCTTGTTCTCATCTCAAACGTAGCAGGAGCTGGTGAGATCTCTAAAG  
TTTGATCAAAGGATCTAAGAGCAACAAATGGGAGACAATGTCAAGAACTGGG  
GAGCTAATTTCCAGAGCAACACTTACCTTAATGGTCAATCTCTATCTTTCAAAGTT  
CAACTCAGCAATGGAAGAATCAAAGCAGCTCTCAACGTTGTTCCCTTCGAACTGGC  
GGTTTGGTCAGAGCTTCAAGAGCAACATCAACTTCTGA