

## IDENTIFICATION

**Species:** *Capsella rubella*

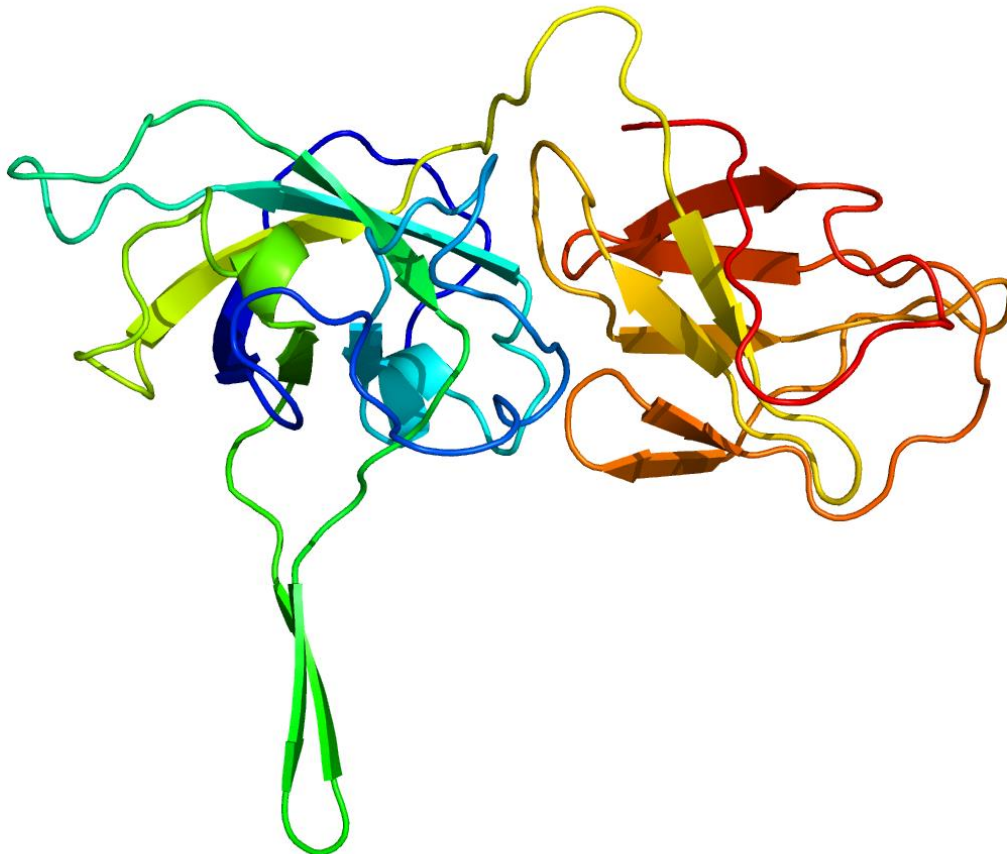
**Locus:** Carub.0004s2290

**Gene Model:** Carub.0004s2290.1.p

**Description:** CrEXPA-12

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

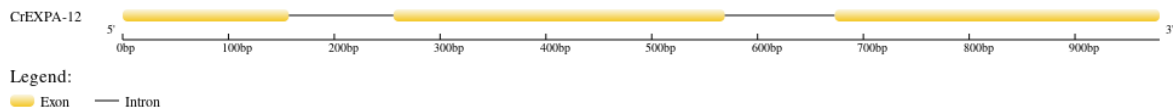
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Crubella\\_v1\\_1](https://phytozome-next.jgi.doe.gov/info/Crubella_v1_1)

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

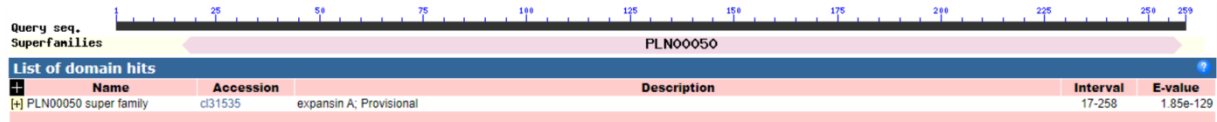
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>CrEXPA-12

MSITSNSKYSILISTISILSLSLFLQGTRGDYGGWQGGHATFYGGGDASGTMGGACGY  
GNLNSQGYGTNTAALSTALFNGLTCGACYEMKCNDDPRWCLSSTITVTATNFCPPN  
PGLSNDNGGWCNPPLQHFDLAEP AFLQIAQYRAGIVPVSFRRVPCMKSGGIRFTINGH  
SYFNLVLISNVGGAGDVHAVSIKGSKTQSWQAMSRNWGQNWQSN SYMNDQSLSFQ  
VTSDGRTVISNDVAPSNWQFGQTYQGGQF\*

### CDS (coding sequence)

>CrEXPA-12

ATGTCTATCACATCAAACCTCCAAGTATTCAATATTAATCTCAACTATATCCATACT  
CAGCTTATCATTGTTCCCTCCAAGGAACTCGTGGAGACTACGGAGGTTGGCAAGGT  
GGCCACGCCACGTTTTACGGTGGCGGCGATGCTTCCGGCACCATGGGCGGAGCTT  
GTGGCTATGGAAATTTGAATAGCCAAGGTTACGGGACGAACACGGCGGCTTTGA  
GTACGGCTCTATTCAACAACGGGCTCACTTGCGGCGCGTGCTATGAGATGAAGTG  
CAACGATGACCCGAGGTGGTGTCTCTTCTACTATCACGGTCACAGCCACTAAC  
TTTTGCCACCAAACCCTGGCCTCTCCAACGATAATGGAGGTTGGTGCAATCCTC  
CTCTTCAGCATTTCGACCTCGCCGAGCCAGCTTTTCTCCAGATCGCTCAGTATCGT  
GCCGGCATTGTTCCCTGTCTCTTTCCGAAGAGTACCGTGTATGAAGAGTGGGGGAA  
TAAGGTTTACGATCAACGGACATTCATACTTCAACCTTGTTCTGATATCGAACGTA  
GGAGGAGCCGGAGACGTACACGCCGTATCGATCAAGGGCTCGAAAACACAGTCG  
TGGCAAGCGATGTCTAGGAATTGGGGACAGAACTGGCAGAGTAATTCTTACATG  
AACGACCAAAGCCTCTCGTTCCAAGTCACCACCAGCGATGGTCGCACCGTCATTA  
GCAATGACGTGGCTCCTTCTAATTGGCAGTTCGGACAAACCTACCAAGGCGGTCA  
GTTCTGA

### Nucleotide

>CrEXPA-12

ATGTCTATCACATCAAACCTCCAAGTATTCAATATTAATCTCAACTATATCCATACT  
CAGCTTATCATTGTTCCCTCCAAGGAACTCGTGGAGACTACGGAGGTTGGCAAGGT  
GGCCACGCCACGTTTTACGGTGGCGGCGATGCTTCCGGCACCATGGGTATGGCCA  
ATAATTAAGTAAACCATGTTAGCTAATTTTATCTCTTGATTCATACGTATGGATT  
ACTAGCTAACACGTGGCATATATGGTCAAATCAGGCGGAGCTTGTGGCTATGGAA

ATTTGAATAGCCAAGGTTACGGGACGAACACGGCGGCTTTGAGTACGGCTCTATT  
CAACAACGGGCTCACTTGCGGCGCGTGCTATGAGATGAAGTGCAACGATGACCC  
GAGGTGGTGTCTCTCTTCTACTATCACGGTCACAGCCACTAACTTTTGCCACCAA  
ACCCTGGCCTCTCCAACGATAATGGAGGTTGGTGCAATCCTCCTCTTCAGCATTTC  
GACCTCGCCGAGCCAGCTTTTCTCCAGATCGCTCAGTATCGTGCCGGCATTGTTCC  
TGTCTCTTTCCGAAGGTCCGTTTACTTTGTTTCGTACTIONTGTAAATATATAGTAGTTGG  
ATATGGATGCAATTGTCCTCTTATATTTACACGCTTAGACTAATGGATTATGTGTG  
ATTCAGAGTACCGTGTATGAAGAGTGGGGGAATAAGGTTTACGATCAACGGAC  
ATTCATACTTCAACCTTGTTCTGATATCGAACGTAGGAGGAGCCGGAGACGTACA  
CGCCGTATCGATCAAGGGCTCGAAAACACAGTCGTGGCAAGCGATGTCTAGGAA  
TTGGGGACAGAACTGGCAGAGTAATTCTTACATGAACGACCAAAGCCTCTCGTTC  
CAAGTCACCACCAGCGATGGTTCGCACCGTCATTAGCAATGACGTGGCTCCTTCTA  
ATTGGCAGTTCGGACAAACCTACCAAGGCGGTCAGTTCTGA