

## IDENTIFICATION

**Species:** *Capsella rubella*

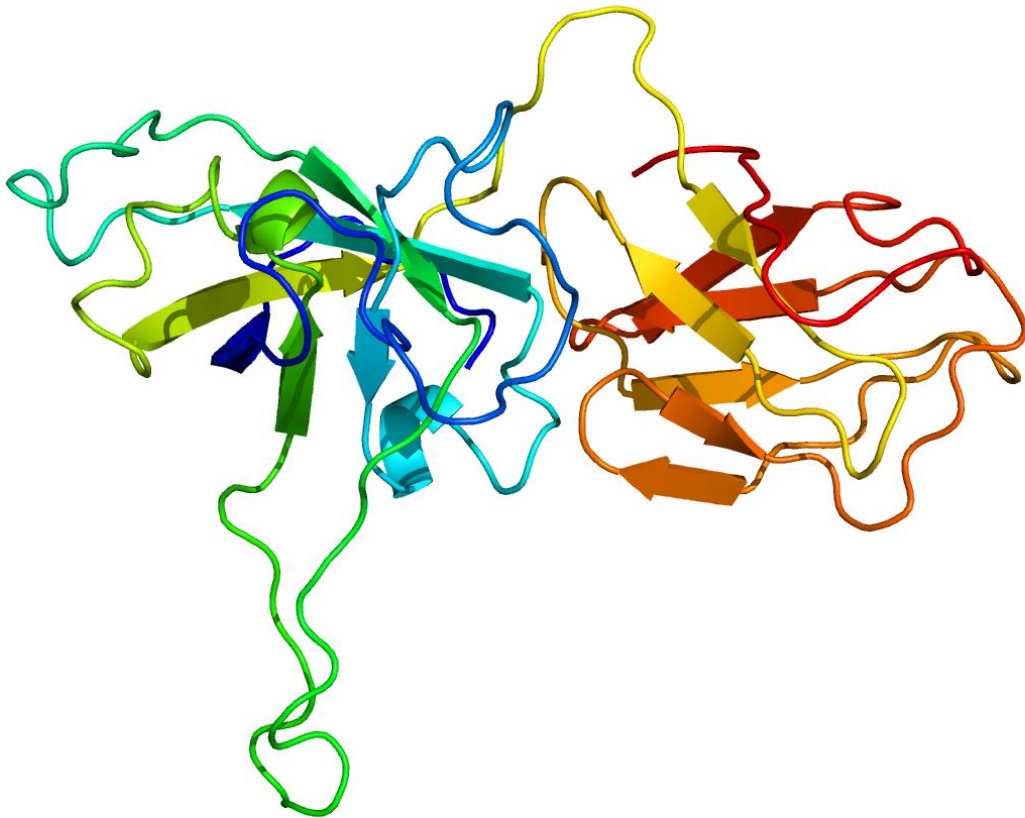
**Locus:** Carub.0004s1957

**Gene Model:** Carub.0004s1957.1.p

**Description:** CrEXPA-10

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

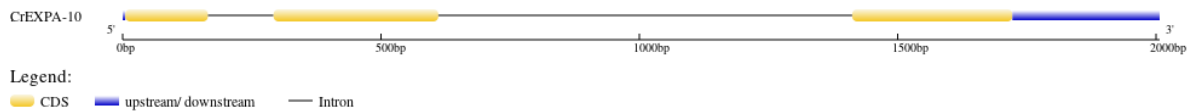
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Crubella\\_v1\\_1](https://phytozome-next.jgi.doe.gov/info/Crubella_v1_1)

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

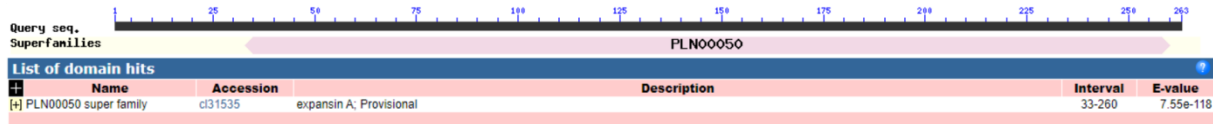
## EXTERNAL RESOURCES

-

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>CrEXPA-10

MTATAFGICLWLAVTASFLLTASDAKIAGVYSGGPWQNAHATFYGGSDASGTMGGA  
CGYGNLYSQGYGVNTAALSTALFNNGYSCGACFEIKCTDDPRWCVPGNPSILVTATN  
FCPPNFAQASDNGGWCNPPREHFDLAMPFLKIGLYRAGIVPVS YRRVPCRKVGGR  
FTVNGFRYFNLVLTNVAGAGDINGVSVKGSKTDWVRMSRNWQNWQSNVAVLIGQ  
SLSFRVTASDRRSSTSWNVAPPSWQFGQTFSGKNFRV\*

### CDS (coding sequence)

>CrEXPA-10

ATGACGGCGACTGCGTTTGGGATCTGCTTGTGGTTGGCCGTTACGGCTTCTTTTCT  
CTTAACAGCTTCAGACGCCAAAATCGCCGGCGTTTATAGCGGTGGACCATGGCAG  
AACGCACACGCCACTTTCTACGGTGGTAGTGACGCCTCTGGAACCATGGGCGGCG  
CGTGTGGGTACGGGAACCTTGTACAGCCAAGGATACGGTGTGAACACGGCGGCCT  
TGAGCACTGCTCTGTTCAACAACGGGTATAGCTGCGGTGCTTGCTTCGAGATCAA  
GTGTACCGACGACCCGAGATGGTGTGTGCCGGGAAACCCCTCGATTCTTGTGACG  
GCGACGAACCTTTGTCCGCCGAATTTTGCTCAGGCGAGTGACAACGGAGGATGGT  
GCAATCCGCCGCGTGAGCACTTTGATCTAGCTATGCCTATGTTCCCTCAAGATCGGT  
CTTTACCGTGCAGGCATTGTCCCCGTCTCCTATCGCAGGGTACCTTGTCCGAAGGT  
AGGAGGGATAAGATTCACAGTAAACGGGTTTCAGATACTTCAACCTCGTTCTGGTA  
ACTAACGTTGCCGGTGCCGGAGATATCAACGGAGTTAGCGTAAAGGGATCAAAG  
ACAGATTGGGTGAGAATGAGTAGGAACCTGGGGACAGAACTGGCAGTCCAACGCC  
GTCCTTATTGGCCAATCACTCTCTTTTCAGAGTCACCGCTTCTGACCGACGTTCCCTC  
TACCTCGTGGAACGTTGCTCCTCCCTCGTGGCAGTTTGGTCAGACTTTCTCCGGCA  
AAAACCTCCGAGTCTGA

### Nucleotide

>CrEXPA-10

TAATAATGACGGCGACTGCGTTTGGGATCTGCTTGTGGTTGGCCGTTACGGCTTCT  
TTTCTCTTAACAGCTTCAGACGCCAAAATCGCCGGCGTTTATAGCGGTGGACCAT  
GGCAGAACGCACACGCCACTTTCTACGGTGGTAGTGACGCCTCTGGAACCATGGG  
TATTACCATATTCACCGTTTTTAATTTTCATTTTCATACGTAACCTATAAATTATGATTC  
CTAACTTGTTAATTTTTTTTATAAAGTTCCTGACTTTTTCTTGTGCTCTGTTTTGTG

GGTTTTGTTAGGCGGCGCGTGTGGGTACGGGAAC TTGTACAGCCAAGGATACGGT  
GTGAACACGGGCGGCCTTGAGCACTGCTCTGTTCAACAACGGGTATAGCTGCGGTG  
CTTGCTTCGAGATCAAGTGTACCGACGACCCGAGATGGTGTGTGCCGGGAAACCC  
CTCGATTCTTGTGACGGCGACGAACTTTTGTCCGCCGAATTTTGTCTCAGGCGAGTG  
ACAACGGAGGATGGTGCAATCCGCCGCGTGAGCACTTTGATCTAGCTATGCCTAT  
GTTCTCAAGATCGGTCTTTACCGTGCAGGCATTGTCCCCGTCTCCTATCGCAGGT  
CTCTCTCTCTCTGATTTTTTTTTGTTTTTTTGTTTTTTACCGATTTGGTTTCGCCGGC  
GATTATAATTTGGTGAATCGATAAGAATTTAACAGTAAATAGGTACGGTGAAGAA  
TTCTAACTAGCCAGTATATATAGTCAACAGCTGATATTTACATAAACACGCGTATG  
GATGTTGATAATAGTAACTTTTGCTAATCTAGATTATGTA AAAATGAGATTAATGTT  
TTAAAGGGA ACTAGTCTTTTGGTTGTGTGAAACATAAGAGGATTTAGTGTTTGAT  
TTACTTACTGCTACTATAATATGGTAGATAATTAGTATAATCTTTTACAACTTAA  
TTAAGACACCTTTTTTCATGTGAAATAGAAAATTTTAAAGATTTCTTATTGAGCTAG  
ATAGTAATAAATAATAATAGTCGAAAATAAAAATAAAAACGCTTGAAGTGGTAT  
TTGATTGTATGTTTTTTTATTAATAAAGTGAAAAGATATTTGTACCGACTACCGA  
ACATGTTATTATGAACTATCTGTGTGTTTTGTTTTCTCTAGGTTTCTACTTTCTAG  
CACTTTTTAAGATAACGGCCTATGAGTTTCAGAGTTCAGAACTGAGACCATCGC  
TCTCAATAGTATTATTATTATCTCAATATTTCTATTTGTTTTTTTTTTAACTCT  
GAAACATTTTTATTTTTTCAA AATTATCTTTTTGGGAAAAGAAGCAGGACACAGT  
AACCCAGAGATCCATCTCCCTCTTTCTTTACCTCTTTGTCTTGTTGTTAATAATTGT  
TCTGTTTCCTCTGAAGGGTACCTTGTCCGAAGGTAGGAGGGATAAGATTCACAGT  
AAACGGGTTCAGATACTTCAACCTCGTTCTGGTAACTAACGTTGCCGGTGCCGGA  
GATATCAACGGAGTTAGCGTAAAGGGATCAAAGACAGATTGGGTGAGAATGAGT  
AGGAACTGGGGACAGAACTGGCAGTCCAACGCCGTCCTTATTGGCCAATCACTCT  
CTTTCAGAGTCACCGCTTCTGACCGACGTTCCCTCTACCTCGTGGAACGTTGCTCCT  
CCCTCGTGGCAGTTTGGTCAGACTTTCTCCGGCAAAA ACTTCCGAGTCTGACTGA  
AGTCTCTCTCAAACCACACCACACACACACACCCAAAAGAATCAA AATCTTTTTT  
CTTTTTTTTTTCTCCAATACTTAAAAGAGAGATGTTGTTATTTTTATATTTTAAT  
ATGGCTCAGACATTTTCCAGCCCTGGGGTTCTCCCTTTAATTTTCTCGGGAAAATT  
TTCCGGTGGCTTCGGGAAATTATTTTAGTTTTATTTTCGTTGGTGGCATCTTCTTCTG  
CTTAGCTAATAAAAAGCCAGAGAGAGTGTAACAAAACAGTCTGTGATTTGAGT  
CT