

## IDENTIFICATION

**Species:** *Capsella rubella*

**Locus:** Carub.0001s0136

**Gene Model:** Carub.0001s0136.1.p

**Description:** CrEXPA-01

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

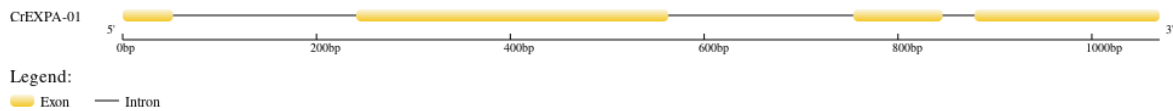
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Crubella\\_v1\\_1](https://phytozome-next.jgi.doe.gov/info/Crubella_v1_1)

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

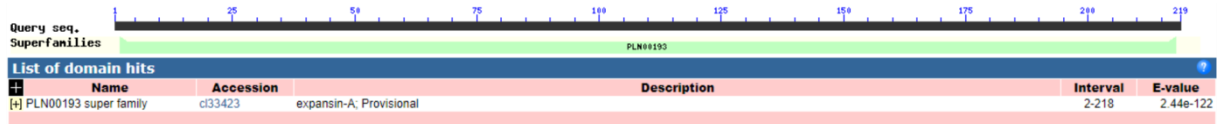
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>CrEXPA-01

MQAHATFYGGSDASGTMGGACGYGNLYTDGYGTNTAALSTALFNDGKSCGGCYQ  
MVCDATKVPQWCLKGKWITITATNFCPPNYALPNDNGGWCNPPRPHFDMAQPAFET  
IAKYRAGIVPVLRYRKVGCRRSGGMRFTMNGRDYFELVLISNVGGAGSKSNKWETMS  
RNWGSNWQSLTYLNGQSLSFKIQTSNGKIKTVLNVVPSNWQFGQSFKSNLNF\*

### CDS (coding sequence)

>CrEXPA-01

ATGCAAGCTCATGCAACCTTCTATGGCGGAAGTGATGCTTCTGGTACAATGGGTG  
GAGCATGTGGTTACGGCAACCTCTACACCGATGGTTACGGAACAAACACGGCAG  
CGTTAAGCACTGCACTGTTCAACGACGGCAAATCTTGTGGCGGTTGTTACCAAAT  
GGTATGCGATGCAACAAAAGTGCCACAGTGGTGTCTTAAAGGTAATGGATAAC  
AATCACAGCTACAACTTCTGTCTCCAAATTATGCTTTACCAAATGATAATGGA  
GGTTGGTGTAACCCTCCGAGGCCTCATTTTCGACATGGCTCAGCCTGCGTTTGAGA  
CCATTGCTAAGTACAGAGCCGGAATAGTCCCTGTTCTCTATAGAAAGGTCGGCTG  
TAGAAGAAGCGGAGGTATGAGATTCACAATGAACGGTAGAGATTACTTCGAGCT  
TGTCCTCATATCAAATGTAGGCGGTGCAGGCTCTAAAAGCAACAAATGGGAAAC  
AATGTCAAGAACTGGGGATCTAATTGGCAAAGCCTTACTTACCTTAATGGCCAA  
AGTCTCTCATTCAAATCCAAACCAGCAATGGCAAATCAAGACAGTACTCAATG  
TAGTTCCTTCGAATTGGCAGTTTGGTCAAAGCTTTAAGAGCAACTTAACTTCTGA

### Nucleotide

>CrEXPA-01

ATGCAAGCTCATGCAACCTTCTATGGCGGAAGTGATGCTTCTGGTACAATGGGTA  
AGTAAAGTTATTTTCTAGGCTTTATTTAGGGTTTCTTTCTTCGTCCCGCAATGAAA  
CCCCTCAAAGGTCCGATTTCTCTCTTTAATCACAAGAAATCAGTTACCCCTCTTTG  
AGTTCGGTAATATCGGTTAGGATCAAATGCTACCTGGTCGTATAGTACATAACCT  
TGACCGAACTGAATTTTCAGGTGGAGCATGTGGTTACGGCAACCTCTACACCGATG  
GTTACGGAACAAACACGGCAGCGTTAAGCACTGCACTGTTCAACGACGGCAAAT  
CTTGTGGCGGTTGTTACCAAATGGTATGCGATGCAACAAAAGTGCCACAGTGGTG  
TCTTAAAGGTAATGGATAACAATCACAGCTACAACTTCTGTCTCCAAATTAT

GCTTTACCAAATGATAATGGAGGTTGGTGTAAACCCTCCGAGGCCTCATTTGACA  
TGGCTCAGCCTGCGTTTGAGACCATTGCTAAGTACAGAGCCGGAATAGTCCCTGT  
TCTCTATAGAAAGTAAGCAAATAATAACTAACTTAGATTTTCTTGAATTTATTCA  
GCGTACAACAAAGCCGATCAAATATACTTTGGTTTCTATAACCACACCTT  
AGATTACTTTTTAATAAGCCATATACTGGCTCTAACCAATATATGTATGTGTGGGC  
TAATATAAGGGTTCGTTGGGGATGATTATCGTGTAGGGTCGGCTGTAGAAGAAGC  
GGAGGTATGAGATTCACAATGAACGGTAGAGATTACTTCGAGCTTGTCTCATAT  
CAAATGTAGGCGGTGCAGGTGAAATTTCAATTAAGGTAAGTATGGATCAAAGGCTC  
TAAAAGCAACAAATGGGAAACAATGTCAAGAACTGGGGATCTAATTGGCAAAG  
CCTTACTTACCTTAATGGCCAAAGTCTCTCATTCAAATCCAAACCAGCAATGGC  
AAAATCAAGACAGTACTCAATGTAGTTCCTTCGAATTGGCAGTTTGGTCAAAGCT  
TTAAGAGCAACTTAACTTCTGA