

## IDENTIFICATION

**Species:** *Capsella rubella*

**Locus:** Carub.0005s2222

**Gene Model:** Carub.0005s2222.1.p

**Description:** CrEXPA-15

**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>

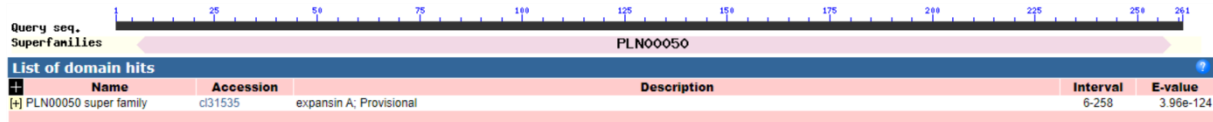
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>CrEXPA-15

MAITSLILLTIPLFLLLSLTHAGIPGVYSGSSWLTAHATFYGGNDASGTMGGACGYG  
DLYSQGYGTNTAALSTALFNSGQSCGACFEVKCVNDPKWCHPGSPSVFVTATNFCPP  
NLAQPSDNGGWCNPPRAHFDLAMPVFLKIAQYRAGIVPISYRRVACKKSGGIRFTING  
HRYFNLVLITNVAGAGDIVKASVKSSKSGWMGLTRNWGQNWQSNVAVLVGQSLFR  
VTSSDRRTSTSWNIVPSNWQFGQTFVGKNFRV\*

### CDS (coding sequence)

>CrEXPA-15

ATGGCAATCACTTCATTGATTCTCTTAACCATAATCCCTCTCTTTCTCCTCTTAAGC  
CTCACCCACGCCGGAATCCCTGGCGTTTACTCTGGCAGCTCTTGGCTAACCGCTCA  
CGCCACTTTCTACGGCGGCAATGACGCTTCCGGAACCATGGGTGGCGCTTGCGGA  
TACGGGGATTTATACAGCCAAGGGTACGGAACAAACACGGCAGCGCTAAGCACA  
GCGTTGTTCAACAGTGGCCAAAGCTGCGGGGCATGCTTTGAAGTTAAATGTGTCA  
ATGATCCCAAATGGTGTACACCGGGTAGTCCCTCCGTCTTCGTAACCGCAACCAA  
CTTTTGCCCTCCAACTTAGCCCAACCTAGCGACAATGGCGGCTGGTGCAACCCG  
CCACGTGCTCACTTCGACCTTGCAATGCCCGTTTTTCTCAAGATCGCTCAGTATCG  
CGCCGGCATTGTCCCCATCTCTTACCGCAGGGTGGCATGTAAGAAGAGTGGAGGG  
ATAAGGTTACGATCAACGGCCACCGTTACTTCAACTTGGTACTGATCACGAACG  
TGGCGGGAGCAGGAGACATCGTGAAGGCGAGCGTGAAAAGTTCAAAGAGTGGTT  
GGATGGGTTTACTAGGAACTGGGGACAGAACTGGCAGTCAAATGCCGTTCTTGT  
TGGTCAGTCACTTTCTTCCGTGTACATCCAGTGACCGCAGAACCTCTACTTCAT  
GGAACATCGTTCCTTCGAACTGGCAGTTTGGACAAACCTTTGTTCGGAAAGAATTT  
CAGAGTCTAA

### Nucleotide

>CrEXPA-15

ATGGCAATCACTTCATTGATTCTCTTAACCATAATCCCTCTCTTTCTCCTCTTAAGC  
CTCACCCACGCCGGAATCCCTGGCGTTTACTCTGGCAGCTCTTGGCTAACCGCTCA  
CGCCACTTTCTACGGCGGCAATGACGCTTCCGGAACCATGGGTAGTCTCCACTC  
TCCTTAACACATACATTTCAAAAACCATCCTTGATCAAATCATTACTACTAG  
CTCTTTGAAAAACAGAGTACTCTGTTTTCTCTTTTAACTCAGTTTTGTGTTATATA

TAGGTGGCGCTTGCGGATACGGGGATTTATACAGCCAAGGGTACGGAACAAACA  
CGGCAGCGCTAAGCACAGCGTTGTTCAACAGTGGCCAAAGCTGCGGGGCATGCTT  
TGAAGTTAAATGTGTCAATGATCCCAAATGGTGTACCCGGGTAGTCCTTCCGTC  
TTCGTAACCGCAACCAACTTTTGCCCTCCAACTTAGCCCAACCTAGCGACAATG  
GCGGCTGGTGCAACCCGCCACGTGCTCACTTCGACCTTGCAATGCCCGTTTTTCTC  
AAGATCGCTCAGTATCGCGCCGGCATTGTCCCATCTCTTACCGCAGGTATACTC  
ACAAATCCTACTATATAGGTAACTTAGTTTTATACCATCGTTGTAAAGTACAATT  
CGAGTAATGGTTCGTGTGTTTTTATACAATGAACAAAAAAGCTAAGCTTGAGTTT  
TGTTGTATAGGGTGGCATGTAAGAAGAGTGGAGGGATAAGGTTACACGATCAACG  
GCCACCGTTACTTCAACTTGGTACTGATCACGAACGTGGCGGGAGCAGGAGACAT  
CGTGAAGGCGAGCGTGAAAAGTTCAAAGAGTGGTTGGATGGGTTTGACTAGGAA  
CTGGGGACAGAACTGGCAGTCAAATGCCGTTCTTGTTGGTCAGTCACTTTCTTTCC  
GTGTCACATCCAGTGACCGCAGAACCTCTACTTCATGGAACATCGTTCCTTCGAA  
CTGGCAGTTTGGACAAACCTTTGTCGGAAAGAATTCAGAGTCTAA