

IDENTIFICATION

Species: *Capsella rubella*

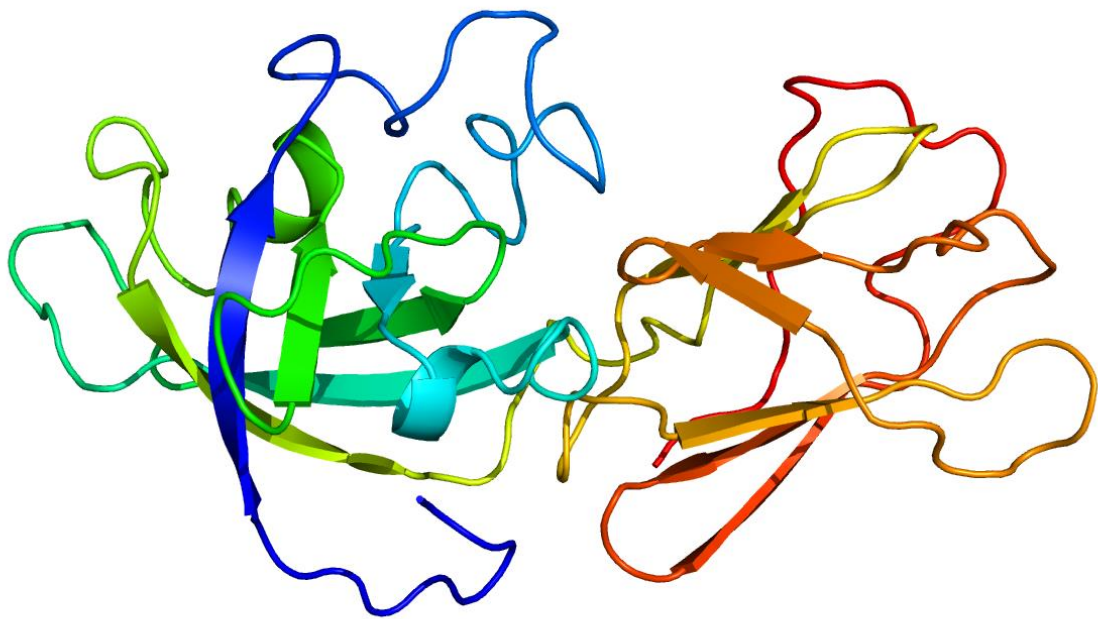
Locus: Carub.0001s1972

Gene Model: Carub.0001s1972.1.p

Description: CrEXPA-03

Family: Alpha Expansin

3D structure:



GENOME DATABASES

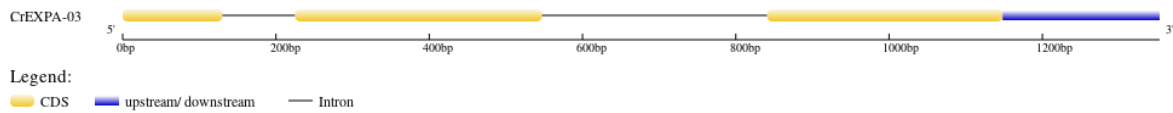
Phytozome: https://phytozome-next.jgi.doe.gov/info/Crubella_v1_1

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

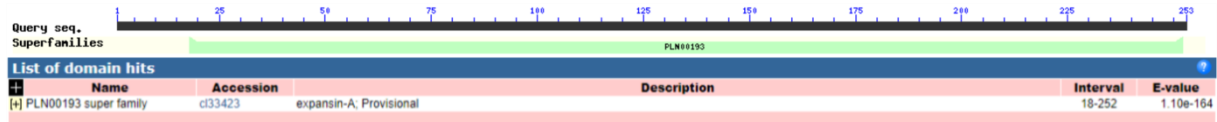
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>CrEXPA-03

MSNSLAGLAVLAALLIAVDAFKPSGLTNGHATFYGGSDASGTMGGACGYGDLYSAG
YGTMTAALSTALFNDGASCGECYRITCDYAADSRWCKKGASVVITATNFCPPNFALP
NNGGWCNPLKHFDMAQPAWEKIGIYRGGIVPVVFQRVSCYKKGGVRFRINGRDY
FELVNIQNVGGGGSIRSVSIKGSKTGWLAMSRNWGANWQSNAAYLDGQSLSFSTTTD
GATRVFLNVVPSWSFGQIYSSHVQF*

CDS (coding sequence)

>CrEXPA-03

ATGTCAAACCTCTCTAGCTGGCTTAGCGGTTTTGGCCGCTCTTTTGATTGCCGTTGA
TGCGTTTAAGCCGTCTGGTTTAACAAACGGTCACGCTACATTCTATGGAGGAAGT
GACGCTTCTGGCACAATGGGTGGAGCTTGTGGTTACGGAGATCTTTACTCTGCGG
GGTACGGGACAATGACGGCGGCGCTAAGCACGGCTCTGTTTAACGACGGAGCTT
CTTGCGGAGAATGCTATAGGATAACGTGTGATTACGCGGCGGACTCACGGTGGTG
CAAGAAAGGAGCTTCCGTTGTCATTACGGCCACAACTTTTGCCACCAAACCTTT
GCTCTGCCTAACAACAACGGTGGTTGGTGCAATCCGCCGCTCAAACATTTGACA
TGGCTCAACCCGCTTGGGAAAAGATCGGTATTTACAGAGGAGGCATTGTTCCCGT
CGTTTTCAAAGAGTGAGCTGTTACAAGAAAGGAGGAGTGAGATTCAGAATAAA
CGGCAGAGACTACTTCGAGCTAGTGAACATTCAAATGTAGGAGGAGGAGGTTT
GATTAGATCTGTATCCATTAAAGGATCAAAGACAGGTTGGTTAGCCATGTCTCGT
AATTGGGGAGCTAATTGGCAATCAAACGCTTACCTCGACGGACAATCTCTGTCTT
TCTCCATTACTACCACCGATGGTGCTACAAGAGTCTTCCTCAACGTTGTTCCCTTCT
TCTTGGTCCTTTGGACAGATTTATTCTTCCCACGTTTCAGTTTTAA

Nucleotide

>CrEXPA-03

ATGTCAAACCTCTCTAGCTGGCTTAGCGGTTTTGGCCGCTCTTTTGATTGCCGTTGA
TGCGTTTAAGCCGTCTGGTTTAACAAACGGTCACGCTACATTCTATGGAGGAAGT
GACGCTTCTGGCACAATGGGTAAATTCAACAGTTTAAAATTTTCTACTGTTTTTGT
CTCTAAATGGATTTGGTTAGTATCGATCGTTTAAATTATTATTATTTGTTTTGTCA
GGTGGAGCTTGTGGTTACGGAGATCTTTACTCTGCGGGGTACGGGACAATGACGG
CGGCGCTAAGCACGGCTCTGTTTAACGACGGAGCTTCTTGCGGAGAATGCTATAG

GATAACGTGTGATTACGCGGCGGACTCACGGTGGTGCAAGAAAGGAGCTTCCGTT
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GTGGTTGGTGCAATCCGCCGCTCAAACATTTGACATGGCTCAACCCGCTTGGGA
AAAGATCGGTATTTACAGAGGAGGCATTGTTCCCGTCGTTTTCCAAAGGTTAGCT
ACACTTTTATCATACTCATAATCATCGATATCTCAAGAGCTAAAAGAATTGCTAA
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CATTTACACCTCTATTAATCGGCTAAAGGGCGGTGGCTTTGTGAAGGTTTAATTAT
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GCAATTTTTTAAAAGTTTAAACGAAAAGTCTCTGTTTTGGTTTGGTATGGGGAAA
AAAAACAGAGTGAGCTGTTACAAGAAAGGAGGAGTGAGATTCAGAATAAACGGC
AGAGACTACTTCGAGCTAGTGAACATTCAAATGTAGGAGGAGGAGGTTTCGATT
AGATCTGTATCCATTAAAGGATCAAAGACAGGTGGTTAGCCATGTCTCGTAATT
GGGGAGCTAATTGGCAATCAAACGCTTACCTCGACGGACAATCTCTGTCTTTCTC
CATTACTACCACCGATGGTGCTACAAGAGTCTTCCTCAACGTTGTTCTTCTTCTT
GGTCCTTTGGACAGATTTATTCTTCCCACGTTTCAGTTTTAAGTTTCTTTTTTTTCT
TTTGGTTCTGTTGTTGGCAGTGGTCGCGCTCTGAGTCTGTTTCTTTTCTCCCTGAGC
GACCCGCCCTCTTTGTTTTTTGTTTGATGGGTCTGTTAATACAAAAGACCCTAGT
TGATTTGAGGATATATGATTATATAAAAAAGTGTATTGTTTTGAATGTTTCACA
CTCGAAAAGATTCTTCTGTA