

IDENTIFICATION

Species: *Capsella rubella*

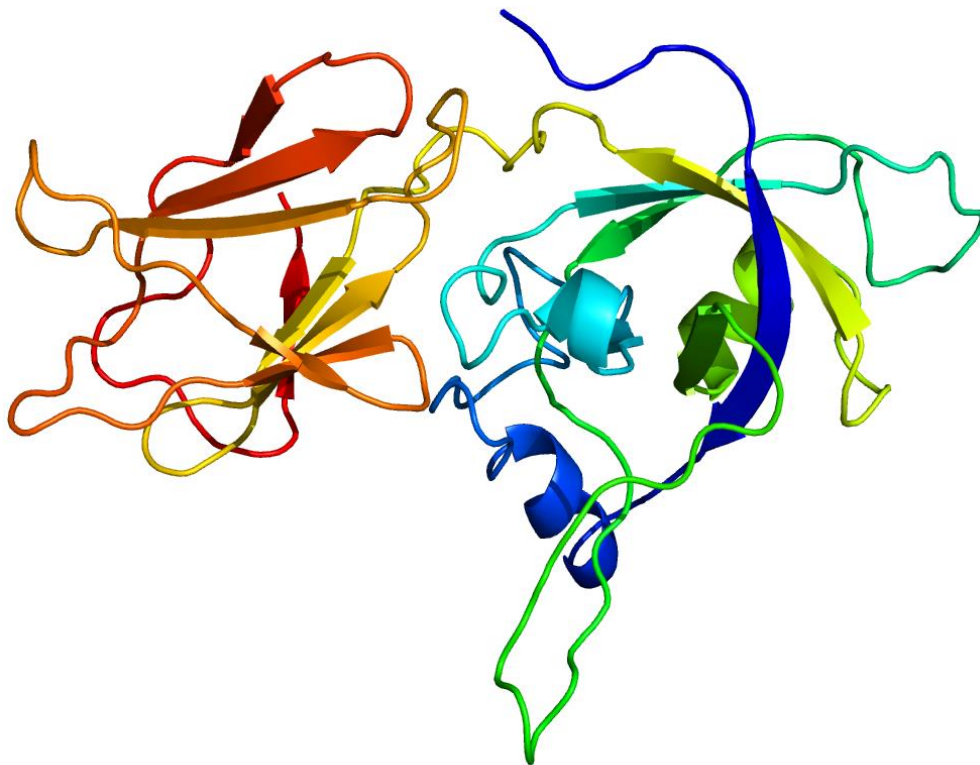
Locus: Carub.0007s0010

Gene Model: Carub.0007s0010.1.p

Description: CrEXPA-20

Family: Alpha Expansin

3D structure:



GENOME DATABASES

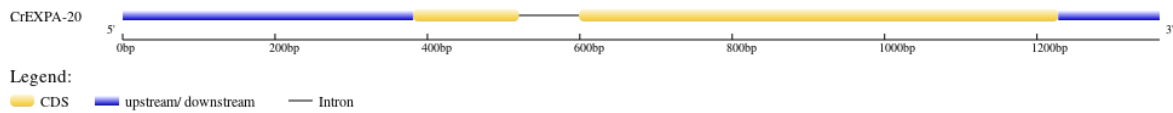
Phytozome: https://phytozome-next.jgi.doe.gov/info/Crubella_v1_1

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

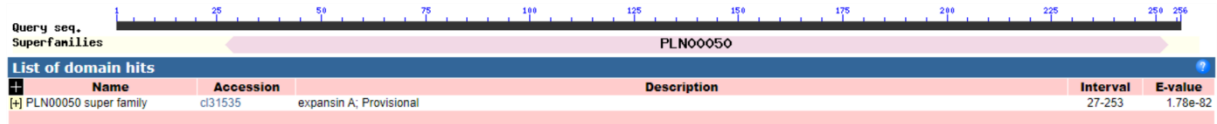
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>CrEXPA-20

MDFGLRQLALCILPLCRLLLATAEDDWKIATATLSRDRDGGSSSVATGGACGYGDLRQ
SSYGGYSAGLSGKLFNRGSSCGACLEVRVCVNHIRWCLQGPSV VVTATDFCPPNSGL
SSDYGGWCNFPKEHLELSHAAFTGIAETRAEMVPVQYRRVMCGRRGGLRFSLNGSS
HFFQVLISNVGLDGEVVGKVKGHHTTAWITMSRNWQGNWHSSIDLIGQSLSFVTLK
GGKTIASYDVAPPYWRFGMTYQGKQFHS*

CDS (coding sequence)

>CrEXPA-20

ATGGATTTTGGGCTTCGGCAACTCGCATTGTGCATCCTTCCTCTCTGCCGCCTCTT
ACTAGCCACCGCCGAGGATGACTGGAAGATAGCCACAGCCACGCTCTCCAGAGA
CAGGGACGGCTCCTCCTCCGTCGCTACTGGAGGCGCTTGTGGGTATGGAGATCTG
AGGCAAAGCAGCTATGGCGGGTACAGCGCAGGCCTGAGCGGGAAGCTGTTCAAC
AGGGGAAGCAGCTGCGGCGCTTGTCTAGAAGTGCGGTGCGTGAACCACATCCGG
TGGTGCCTCCAAGGCAGCCCTTCCGTGGTGGTCACCGCCACCGATTCTGTCCCTCC
CAATTCGGGACTGTCCTCTGATTACGGCGGTTGGTGCAACTTCCCCAAGGAACAC
TTGGA ACTATCTCATGCCGCTTCACAGGGATAGCAGAAACCAGAGCCGAGATG
GTACCTGTACAATACAGGAGGGTCAATGTGTGGGAGGAGAGGCGGATTAAGATTC
AGCTTGAACGGGAGCTCCCACTTCTTCCAGGTGTTGATAAGCAATGTCGGCCTCG
ACGGGGAAGTGGTGGGAGTGAAAGTGAAGGGCCATACAACGGCTTGGATCACAA
TGTCAGAAACTGGGGACAGAACTGGCACTCTTCTATCGATCTCATCGGACAGTC
TCTCTCTTTCGAGGTTACTCTCAAAGGCGGCAAACCATTGCCTCTTACGATGTGG
CTCCTCCTTATTGGCGCTTCGGAATGACATACCAAGGAAAGCAATTCCACTCCTG
A

Nucleotide

>CrEXPA-20

GATCAATTTGCTGTTTCATATGACTCAGAAATATTCACGGGTGATGCATCTCTCAG
GCAAATATACTAGTAGTCTCAACTCGAGTGTATTTAAATCTGGCTTGCAAAAATA
TAAACTCAGATCTTACGGATAAGAACCTGGGCCGCCAAATGAGATGGGCCTGA
AATACTTATTGGTTGCTCTCTTTTTTCTCTTCTAATAATTTGGTCTGAAACGGGA
ACTGTCAAAGTCAAACATGTCAGAGCGATCTTTTGTGCATCCCCACCACAACC

GTCTTGAAAAGCGGAGCAGATGATGATCAAAAGGAACCCCAAACCCCTCTCAA
CGCATCACTTTTGTCTGCCACCTGTGAGGATCCCAACAACACTGCTTGTTTCATGGA
TTTTGGGCTTCGGCAACTCGCATTGTGCATCCTTCCTCTCTGCCGCCTCTTACTAG
CCACCGCCGAGGATGACTGGAAGATAGCCACAGCCACGCTCTCCAGAGACAGGG
ACGGCTCCTCCTCCGTCGCTACTGGTCCTTTTCTCTTCTCTCTCCTCCTTTTTTTT
TTTTTTTCCTCATGACTAACTAGACTAAATCGGTGCTGGTGATAGGAGGCGCTTGT
GGGTATGGAGATCTGAGGCAAAGCAGCTATGGCGGGTACAGCGCAGGCCTGAGC
GGGAAGCTGTTCAACAGGGGAAGCAGCTGCGGCGCTTGTCTAGAAGTGCGGTGC
GTGAACCACATCCGGTGGTGCCTCCAAGGCAGCCCTTCCGTGGTGGTCACCGCCA
CCGATTTCTGTCCTCCCAATTCGGGACTGTCCTCTGATTACGGCGGTTGGTGCAAC
TTCCCAAGGAACACTTGGA ACTATCTCATGCCGCCTTCACAGGGATAGCAGAAA
CCAGAGCCGAGATGGTACCTGTACAATACAGGAGGGTCATGTGTGGGAGGAGAG
GCGGATTAAGATTCAGCTTGAACGGGAGCTCCCACTTCTTCCAGGTGTTGATAAG
CAATGTCGGCCTCGACGGGGAAGTGGTGGGAGTGAAAGTGAAGGGCCATACAAC
GGCTTGGATCACAATGTCCAGAACTGGGGACAGAACTGGCACTCTTCTATCGAT
CTCATCGGACAGTCTCTCTTTTCGAGGTTACTCTCAAAGGCGGCAAAACCATTG
CCTCTTACGATGTGGCTCCTCCTTATTGGCGCTTCGGAATGACATACCAAGGAAA
GCAATTCCACTCCTGACTCCTCCTTTATCACTTATCATCATCACTTTCGGTGGTCA
AAGCATGCTGTGCTTTATTATCATCACTTTGTAAACATTAGATATCATCATCACTT
CATTTCAAGGTATAAATGTCTTCCTACGAGTCAAGTG