

IDENTIFICATION

Species: *Capsella rubella*

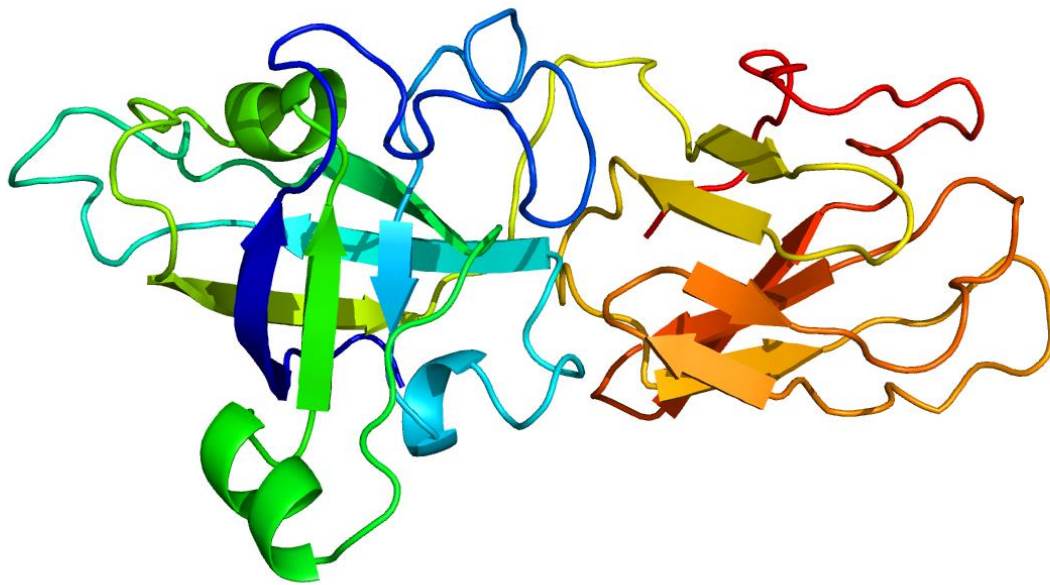
Locus: Carub.0003s1509

Gene Model: Carub.0003s1509.1.p

Description: CrEXPA-08

Family: Alpha Expansin

3D structure:



GENOME DATABASES

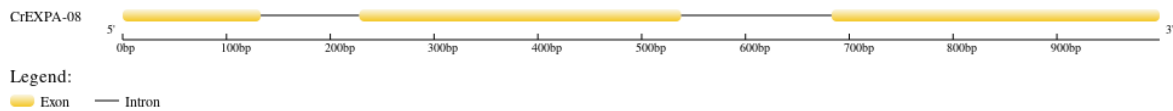
Phytozome: https://phytozome-next.jgi.doe.gov/info/Crubella_v1_1

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

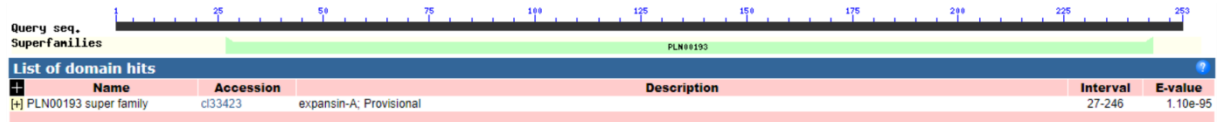
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>CrEXPA-08

MEMKGGKYLVTVILLIGTLSVGMCSNRWIRAHATYYGVNDSPASLGGACGYDNPYHA
GFGAHTAALSGALFRSGESCGGCYQVRCDFPADPKWCLRGA AVT VTATNFCPSNNN
NGWCNLPRHHFDMSSPAFFRIARRGNEGIVPVFYRRVVGCKRRGGVRF TMRGQGNFN
MVMISNVGGGGSVRAVA VRGSKGKTW LQMTRNWGANWQSSGDLRGQRLSFRVTL
IDRKTLTFLNVVPSSWWFGQTFSSRGRQFV*

CDS (coding sequence)

>CrEXPA-08

ATGGAGATGAAGGGAAAATATTTGGTAACTGTTATTCTCTTGATTGGTACGTTAA
GTGTGGGGATGTGTTCCAACCGTTGGATAAGAGCTCATGCAACGTATTACGGTGT
TAATGATAGCCCTGCTTCACTTGGAGGAGCTTGTGGATATGACAATCCGTACCAC
GCCGGATTTCGGAGCCCACACGGCGGCCCTAAGCGGTGCACTATTCAGAAGCGGT
GAGTCATGCGGTGGGTGCTACCAGGTGAGGTGTGACTTCCCCGCAGATCCTAAGT
GGTGTCTCCGAGGAGCTGCCGTGACGGTGACGGCTACAACTTTTGTCCATCAA
CAACAATAATGGTTGGTGCAATCTCCCTCGCCATCACTTTGACATGTCCTCACCAG
CTTTCTTCCGCATCGCACGTCGTGGTAACGAAGGCATTGTTCCCGTCTTCTATCGC
CGGGTGGGATGCAAGAGAAGAGGAGGCGTGAGGTTTACGATGAGAGGGCAAGG
TAACTTCAATATGGTAATGATCTCAAACGTTGGTGGTGGTGGCTCGGTGAGAGCG
GTAGCAGTACGCGGCTCAAAGGGAAAACTTGGCTTCAGATGACCCGTA ACTGG
GGTGCTAACTGGCAGAGCTCTGGTGATCTCCGGGGACAAAGACTCTCCTTCAGAG
TAACTCTTATTGACCGTAAAACGCTGACGTTTTTGAACGTTGTCCCTTCTTCTTGG
TGGTTTGGCCAAACCTTCTCCTCTCGGGGACGCCAATTTGTCTGA

Nucleotide

>CrEXPA-08

ATGGAGATGAAGGGAAAATATTTGGTAACTGTTATTCTCTTGATTGGTACGTTAA
GTGTGGGGATGTGTTCCAACCGTTGGATAAGAGCTCATGCAACGTATTACGGTGT
TAATGATAGCCCTGCTTCACTTGGTAATAAGTTCATTAAACTATAAGTTTAATATA
CTCTTGTCTTACTTTAGTATCTTTGTATAGTAAGTATTAATTTTTAAACAAATT
TATAGGAGGAGCTTGTGGATATGACAATCCGTACCACGCCGGATTCGGAGCCCAC
ACGGCGGCCCTAAGCGGTGCACTATTCAGAAGCGGTGAGTCATGCGGTGGGTGCT

ACCAGGTGAGGTGTGACTTCCCCGCAGATCCTAAGTGGTGTCTCCGAGGAGCTGC
CGTGACGGTGACGGCTACAAACTTTTGTCCATCAAACAACAATAATGGTTGGTGC
AATCTCCCTCGCCATCACTTTGACATGTCCTCACCAGCTTTCTTCCGCATCGCACG
TCGTGGTAACGAAGGCATTGTTCCCGTCTTCTATCGCCGGTAACATATTCAAAT
TTCAACGCTTATTTAAGAGTTACTAATGGTGGTTATATTTAAGTATCAAAAGAGT
GCTAGCTAGCTCAAGTTTTTGTTTAAACGTTAAAAAGCTTGTAAGAAGTAATTAA
ATCTTGAAAACATTATAGGGTGGGATGCAAGAGAAGAGGAGGCGTGAGGTTTAC
GATGAGAGGGCAAGGTAACCTCAATATGGTAATGATCTCAAACGTTGGTGGTGGT
GGCTCGGTGAGAGCGGTAGCAGTACGCGGCTCAAAGGGAAAAACTTGGCTTCAG
ATGACCCGTAACCTGGGGTGCTAACTGGCAGAGCTCTGGTGATCTCCGGGGACAAA
GACTCTCCTTCAGAGTAACTCTTATTGACCGTAAAACGCTGACGTTTTTGAACGTT
GTCCCTTCTTCTTGGTGGTTTGGCCAAACCTTCTCCTCTCGGGGACGCCAATTTGT
CTGA