

IDENTIFICATION

Species: *Capsella rubella*

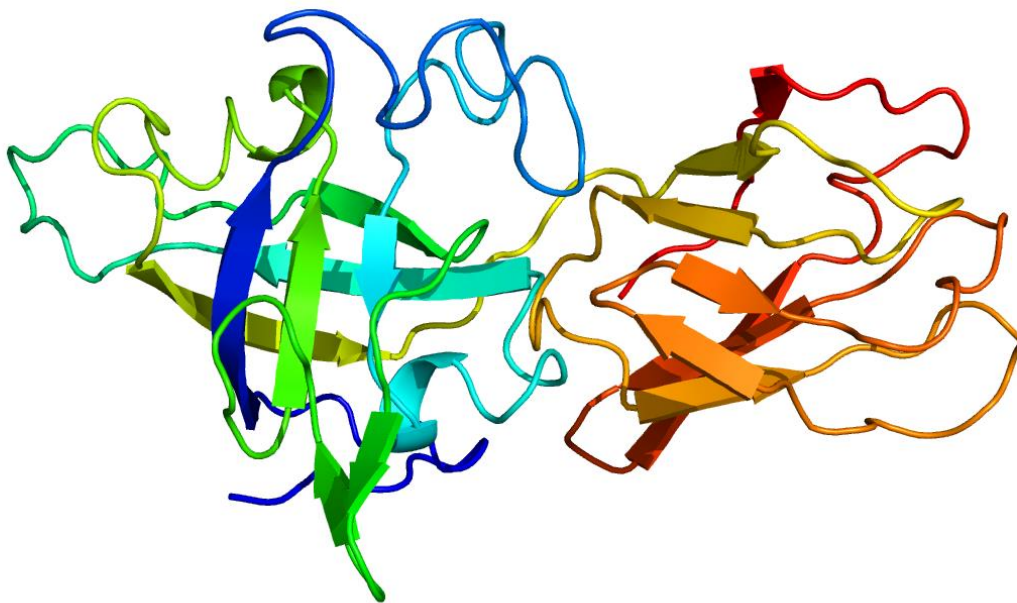
Locus: Carub.0006s1372

Gene Model: Carub.0006s1372.1.p

Description: CrEXPA-18

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>

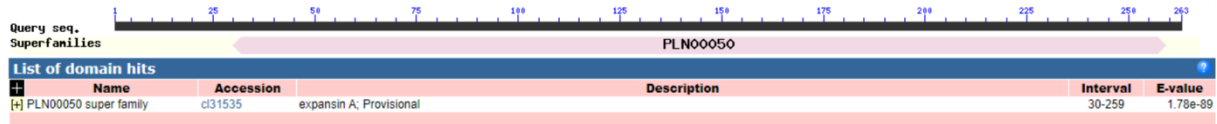
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>CrEXPA-18

MARDFTEVAVTL LATLTVLVSGHRLMSTGTATGVTD AWDNARATFYGDIEGGGTM
KGDCGYGNLFEQGYLETTALSAALFNNGATCGACFEIKCVDNPQACIEGAKPIRV T
ATNFCPANYTKTVGVWCNPPQKHFDLSLQMFLKIAKYKAGVVPVKYRRVLC PHKQ
GGVKFQLSGNPYFLMVLVYNVGHVGDVSEVRVKGSKSGWFQMHRNWGQVWDTG
LKLTGESLSFKVTTSDGKFLNFENVAPPNWQFSQTYDGKLN F*

CDS (coding sequence)

>CrEXPA-18

ATGGCTCGTGATTTTACGGAGGTTGCTGTAACCTTATTGGCCACCTTGACCGTCTT
GGTCTCGGGACACCGACTCATGAGCACCGGTA CTGCTACTGGTGT CACAGACGCC
TGGGACAATGCTCGTGCCACTTTTACGGTGATATAGAGGGTGGAGGAACTATGA
AAGGAGATTGTGGGTACGGTAATCTCTTCGAGCAAGGCTACGGTTTAGAGACGAC
GGCTCTAAGTGCAGCTTTGTTCAATAATGGAGCTACGTGCGGTGCATGCTTCGAG
ATTAAGTGCGTAGACAATCCACAAGCGTGCATTGAAGGAGCCAAACCTATACGT
GTCACAGCCACCAATTTCTGCCAGCAA ACTACACCAAACAGTAGGTGTTTGGT
GCAATCCGCCGCAGAAACATTTGACCTCTCGTTACAAATGTTTCTCAAGATCGC
TAAGTACAAAGCCGGAGTTGTTCCGGTGAAATATAGGCGAGTTTATGCCCGCAT
AAACAAGGTGGTGTCAAGTTTCAGTTATCAGGAAATCCTTATTTCTTGATGGTTCT
TGTTTACAACGTTGGACATGTTGGTGATGTGTCTGAGGTTAGGGTGAAAGTTCC
AAGAGTGGTTGGTTTCAGATGCATCGGAATTGGGGACAGGTGTGGGATACAGGC
TTGAAGTTAACCGGAGAGAGTTTGTCTTTTAAGGTC ACTACAAGTGATGGGAAAT
TTTTGAACTTTGAGAACGTTGCTCCACCTAATTGGCAGTTTAGTCAA ACTTACGAC
GGCAAGCTTAACTTTTGA

Nucleotide

>CrEXPA-18

ATGGCTCGTGATTTTACGGAGGTTGCTGTAACCTTATTGGCCACCTTGACCGTCTT
GGTCTCGGGACACCGACTCATGAGCACCGGTA CTGCTACTGGTGT CACAGACGCC
TGGGACAATGCTCGTGCCACTTTTACGGTGATATAGAGGGTGGAGGAACTATGA
GTACGTTTACTCATTAAATAACACATACCTGATATATGATCAATATATTTTTTTT
ATTAAAAAATGTTAATAATAAGTTATTTAGAATTAGTATTATCATTAAAGAGCAA

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AACTAGATACGCTATATAATTAGTCCTACACACACATATATATATTCATGCATTG
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GATTGTGGGTACGGTAATCTCTTCGAGCAAGGCTACGGTTTAGAGACGACGGCTC
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GTGCGTAGACAATCCACAAGCGTGCATTGAAGGAGCCAAACCTATACGTGTCAC
AGCCACCAATTTCTGCCAGCAAACCTACACCAAACAGTAGGTGTTTGGTGCAAT
CCGCCGCAGAAACATTTTCGACCTCTCGTTACAAATGTTTCTCAAGATCGCTAAGT
ACAAAGCCGGAGTTGTTCCGGTGAAATATAGGCGAGTTTTATGCCCGCATAAACA
AGGTGGTGTCAAGTTTCAGTTATCAGGAAATCCTTATTTCTTGATGGTTCTTGTTT
ACAACGTTGGACATGTTGGTGATGTGTCTGAGGTTAGGGTGAAAGGTTCCAAGAG
TGGTTGGTTTCAGATGCATCGGAATTGGGGACAGGTGTGGGATACAGGCTTGAAG
TTAACCGGAGAGAGTTTGTCTTTTAAGGTCACTACAAGTGATGGGAAATTTTTGA
ACTTTGAGAACGTTGCTCCACCTAATTGGCAGTTTAGTCAAACCTACGACGGCAA
GCTTAACTTTTGA