

IDENTIFICATION

Species: *Capsella rubella*

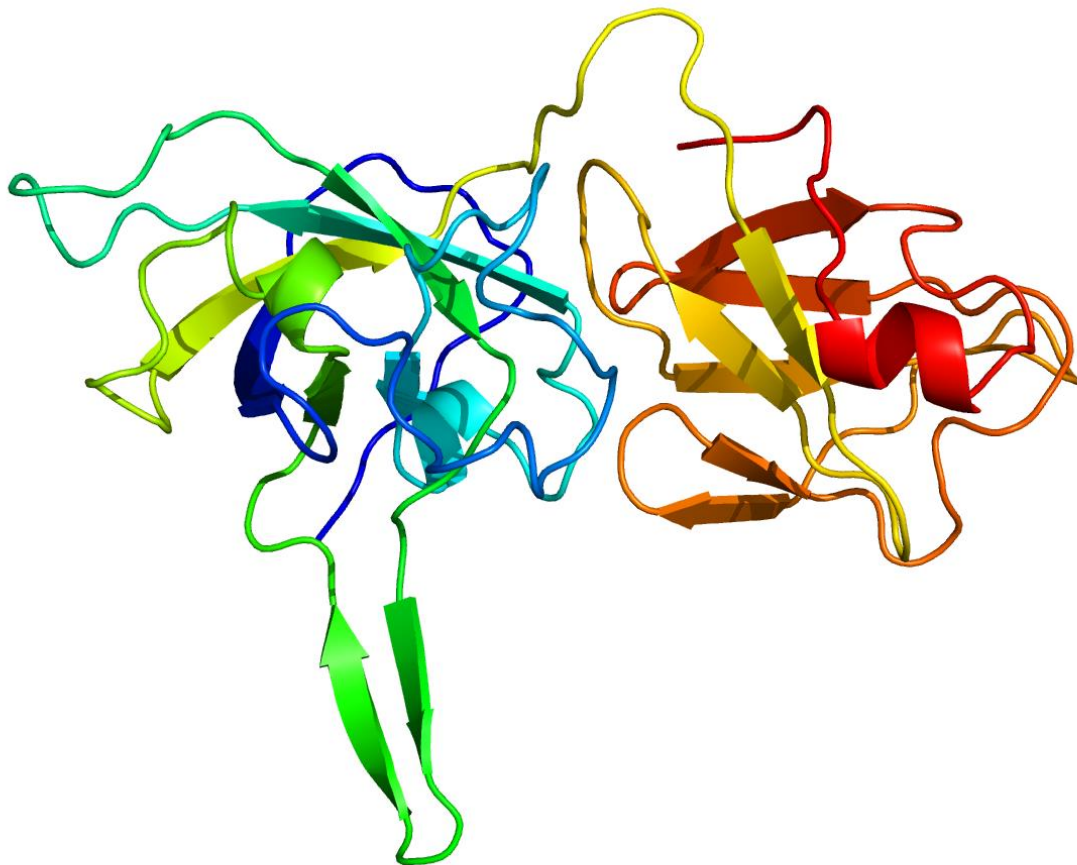
Locus: Carub.0007s3662

Gene Model: Carub.0007s3662.1.p

Description: CrEXPA-21

Family: Alpha Expansin

3D structure:



GENOME DATABASES

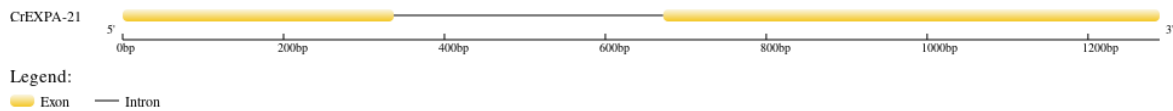
Phytozome: https://phytozome-next.jgi.doe.gov/info/Crubella_v1_1

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

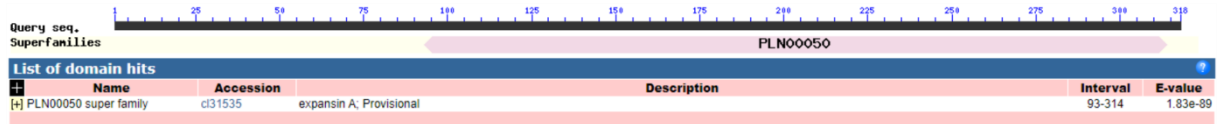
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>CrEXPA-21

MKLLSIFLCAHVLMMVMAIWILPMA YSHLPHPHPHPHPHPHVHAHPHPHPHPHPH
PHPHPHLHPHPHPHPHPHPHPHPLSHPTKAQAGWTDGRATFYGDIHGGETQQG
ACGYGNLHKQGYGLETAALSTALFNNGSTCGACYEIKCFNSPQWCLPGVIKITATNF
CPPNYKKTDKIWCNPPQKHFDLSQKMYLKI AKYKSGVVPVKFRRVRCTKTGGVKFEI
KGNPHFLMILPYNVGGAGDVKAMQIKGTKTKWLPMKKNWGQIWSIGVVL TGQRLS
FKLTLSDGVTKDFIDVTPANWGTTGQSF DGKVN F*

CDS (coding sequence)

>CrEXPA-21

ATGAAACTCTTAAGTATTTTTTTATGTGCTCACGTTTTGATGATGGTAATGGCTAT
ATGGATTTTGCCCATGGCTTATAGTCATCTCCACACCCACACCCACACCCACACC
CACATCCACACCCACACGTACACGCACACCCACATCCACACCCGCACCCGCACCC
GCACCCGCATCCTCACCCGCACCTGCACCCGCACCCGCACCCGCACCCGCACCCG
CATCCTCACCCGCACCCGCACCCGCACCCACTATCACATCCAACGAAGGCACAAG
CTGGTTGGACTGATGGCCGTGCAACATTTTACGGTGACATCCATGGAGGAGAAAC
TCAACAGGGAGCTTGTGGATATGGTAATCTACACAAACAAGGGTATGGTCTAGA
GACAGCAGCACTAAGCACGGCACTATTCAACAACGGCTCAACGTGTGGAGCTTGT
TATGAGATAAAGTGCTTCAACTCTCCACAATGGTGTTTGCCTGGTGTCAATCAAGA
TCACAGCTACAACTTCTGTCCACCAAATTACAAAAAGACCAAAGACATTTGGTG
CAACCCACCACAAAAACACTTTGATCTCTCGCAAAAAATGTACCTCAAAATCGCC
AAGTACAAATCTGGCGTTGTCCCGGTTAAGTTCAGACGTGTTTCGTTGTACCAAAA
CCGGAGGAGTCAAGTTTGAGATCAAAGGAAACCCCTCATTTTCTAATGATCTTGCC
GTACAATGTAGGAGGAGCTGGAGATGTTAAGGCCATGCAGATTAAGGGAACGAA
GACCAAGTGGTTACCAATGAAGAAGAATTGGGGACAGATTTGGAGCATTGGTGT
TGTCTTGACCGGACAACGTTTATCGTTTAAAGCTCACGCTAAGTGATGGAGTTACG
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Nucleotide

>CrEXPA-21

ATGAAACTCTTAAGTATTTTTTTATGTGCTCACGTTTTGATGATGGTAATGGCTAT
ATGGATTTTGCCCATGGCTTATAGTCATCTCCCACACCCACACCCACACCCACACC
CACATCCACACCCACACGTACACGCACACCCACATCCACACCCGCACCCGCACCC
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CATCTCACCCGCACCCGCACCCGCACCCACTATCACATCCAACGAAGGCACAAG
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TCAACGTAAGCTAAATTTATACTAATAATAACAATAATCATTCTCGAGACCTGTAA
TATATTGAGTTTTTATTCCAACGTATATAGTAACCAACATGAAGAGGTACGTAGC
CGCCCTAGTAAAATGTGAGACTCAAGCTTTGATGAACATAAAGACCAATATGGTT
TGGTTAGGCCAAGTTTTGTGTTTACTCCTATTAATGTTTTCTTTTTGACATGTTTT
AACATTTTTATGACATGCGAACGTGAAAGTTAACACATGCAAAAACAAACAAAA
CCAGGCTACATTAATTTATATTTTGTCTCAAACATAAAACATTAACCTGTTTTTGT
TTGATAGAGGGAGCTTGTGGATATGGTAATCTACACAAACAAGGGTATGGTCTAG
AGACAGCAGCACTAAGCACGGCACTATTCAACAACGGCTCAACGTGTGGAGCTT
GTTATGAGATAAAGTGCTTCAACTCTCCACAATGGTGTTCCTGGTGTTCATCAA
GATCACAGCTACAAACTTCTGTCCACCAAATTACAAAAAGACCAAAGACATTTGG
TGCAACCCACCACAAAAACACTTTGATCTCTCGCAAAAAATGTACCTCAAATCG
CCAAGTACAAATCTGGCGTTGTCCCGTTAAGTTCAGACGTGTTTCGTTGTACCAA
AACCGGAGGAGTCAAGTTTGAGATCAAAGGAAACCCTCATTTCTAATGATCTTG
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