

IDENTIFICATION

Species: *Capsella rubella*

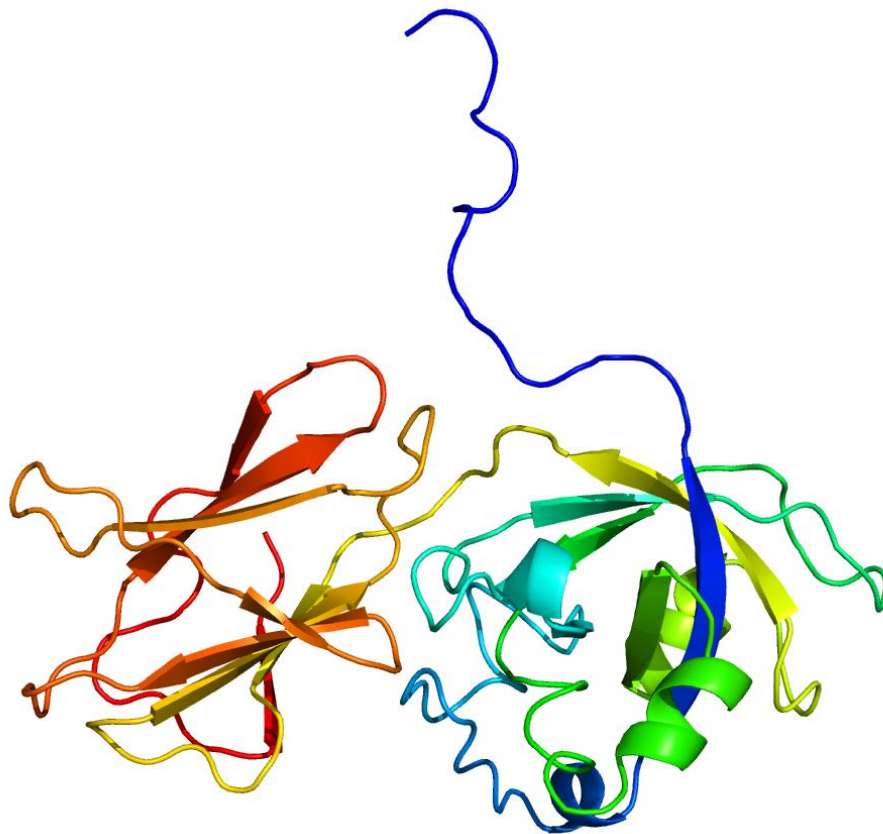
Locus: Carub.0007s3664

Gene Model: Carub.0007s3664.1.p

Description: CrEXPA-23

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>

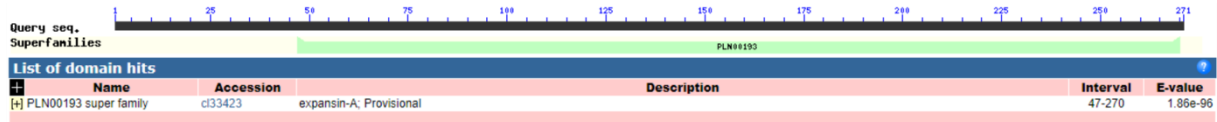
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>CrEXPA-23

MKLLEKMIYVECFMLIMVTCFVSMSLGDIGDVAEAPMIGHDSNGLDTSWYDARATF
YGDVHGVGTQQGACGYGDLFKQYGLETAALSTALFNNGYTCGACYEIMCTRAPQ
WCWPGSIKITATNFCPPDYTKTRDIWCNPPQKHFDLSQPMFLKIAKYRAGVVPVRYR
RIPCAKAGGVKFEKGNPYFLIVLPYNVGGAGDIKYVQVKGTRTGWITMSKNWGQN
WTTGVVLTGQGLSLRITTSDGITKDFINVPPSWGFGQTFDGKFN*

CDS (coding sequence)

>CrEXPA-23

ATGAAACTCTTAGAAAAAATGATATATGTAGAATGTTTTATGTTAATTATGGTGA
CATGTTTCGTATCTATGAGTCTTGGTGACATAGGTGATGTAGCCGAAGCACCCAT
GATTGGTCATGACAGCAACGGGCTCGACACTTCTTGGTATGACGCACGAGCCACA
TTTTACGGTGATGTCCATGGTGTAGGCACTCAACAGGGAGCTTGTGGATATGGTG
ATCTATTCAAACAAGGCTATGGTCTAGAGACAGCAGCATTAAAGCACGGCACTCTT
CAACAACGGATACACATGCGGGGCTTGTACGAGATCATGTGTACACGTGCTCCA
CAATGGTGTGGCCCGGATCCATCAAGATCACAGCAACAAATTTCTGTCCACCAG
ATTACACCAAAACAAGAGACATTTGGTGTAATCCACCACAAAACACTTTGATCT
CTCCCAACCAATGTTCTCAAGATCGCCAAGTACAGAGCCGGGGTTGTCCCGGTT
AGATACAGACGTATTCCTTGTGCAAAGGCCGGTGGTGCAAGTTTGA ACTCAAAG
GTAACCCTTATTTCTTGATTGTCTTGCCGTACAATGTAGGCGGAGCGGGAGATATT
AAGTACGTGCAAGTCAAGGGAACCAGGACCGGGTGGATAACAATGAGCAAGAAT
TGGGGACAAACTGGACCACTGGTGTGTATTGACCGGCCAAGGTTTATCATTGA
GGATTACGACAAGTGATGGGATTACAAAGGATTTTATCAATGTTGTTCCACCAAG
TTGGGGATTTGGTCAAACCTTTGATGGAAAATTTAACTTTTAG

Nucleotide

>CrEXPA-23

TAAAAATAAAAAGGTTATATCATTAGAGAGGGATAATAATCATGAAACTCTTAG
AAAAATGATATATGTAGAATGTTTTATGTTAATTATGGTGACATGTTTCGTATCT
ATGAGTCTTGGTGACATAGGTGATGTAGCCGAAGCACCCATGATTGGTCATGACA
GCAACGGGCTCGACACTTCTTGGTATGACGCACGAGCCACATTTACGGTGATGT
CCATGGTGTAGGCACTCAACGTAAGTTAAAATATTTCTTTTAAAATACATATAG

ATATAATTGATTTAGAATACCAAATTTTTACAATATGATAAGTAACATCAGACGT
AGTAGCAAACACAAACGTAAAAGCCATGTCAAATTATTACATACTCACTTTTCGT
CATTATACATTCAATAGAGGGAGCTTGTGGATATGGTGATCTATTCAAACAAGGC
TATGGTCTAGAGACAGCAGCATTAAGCACGGCACTCTTCAACAACGGATACACAT
GCGGGGCTTGTTACGAGATCATGTGTACACGTGCTCCACAATGGTGTTGGCCCGG
ATCCATCAAGATCACAGCAACAAATTTCTGTCCACCAGATTACACCAAAAACAAGA
GACATTTGGTGTAATCCACCACAAAAACACTTTGATCTCTCCCAACCAATGTTCCCT
CAAGATCGCCAAGTACAGAGCCGGGGTTGTCCCGGTTAGATACAGACGTATTCCCT
TGTGCAAAGGCCGGTGGTGTCAAGTTTGAACCTCAAAGGTAACCCTTATTTCTTGA
TTGTCTTGCCGTACAATGTAGGCGGAGCGGGAGATATTAAGTACGTGCAAGTCAA
GGGAACCAGGACCGGGTGGATAACAATGAGCAAGAATTGGGGACAAAACCTGGA
CCACTGGTGTGTATTGACCGGCCAAGGTTTATCATTGAGGATTACGACAAGTGA
TGGGATTACAAAGGATTTTATCAATGTTGTTCCACCAAGTTGGGGATTTGGTCAA
ACTTTTGATGGAAAATTTAACTTTTAGAAAGAAAAAAAACCTATATGAATTAAGTG
TGATTTAATTACTACTAGGACCATGTGTGTTTTGGTTG