

IDENTIFICATION

Species: *Capsella rubella*

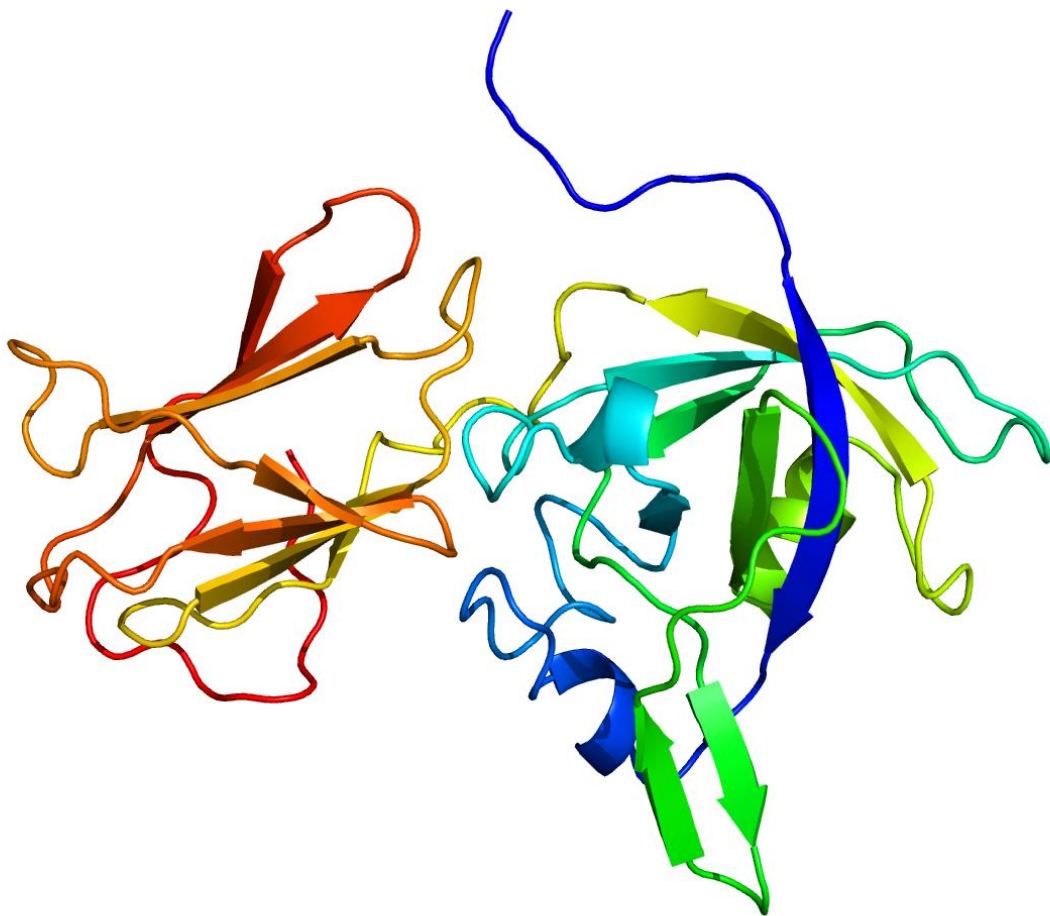
Locus: Carub.0002s1618

Gene Model: Carub.0002s1618.1.p

Description: CrEXPA-06

Family: Alpha Expansin

3D structure:



GENOME DATABASES

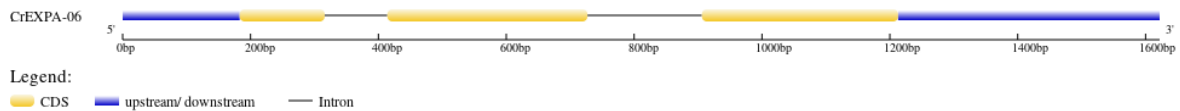
Phytozome: https://phytozome-next.jgi.doe.gov/info/Crubella_v1_1

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

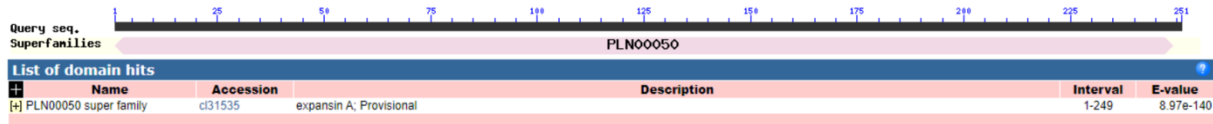
EXTERNAL RESOURCES

-

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>CrEXPA-06

MALFAFLMAILGVMTSCVNGYAGGGWVNAHATFYGGGDASGTMGGACGYGNLY
SQGYGTNTAALSTALFNGLSCGACFELRCQNDGKWCLPGSIVVTATNFCPPNNALP
NNAGGWCNPPQQHFDSLQPVFQRIAQYRAGIVPVA YRRVPCVRRGGIRFTINGHS YF
NLVLITNVGGAGDVHSMVMVKGSRGTGWQMSRNWQNWQSN SYLNGQALSFKVTT
SDGQTIISNNAAPAGWSFGQTFGAQLR*

CDS (coding sequence)

>CrEXPA-06

ATGGCTCTTTTCGCCTTCTTGTTTATGGCTATCCTCGGAGTAATGACGTCATGTGT
CAATGGCTACGCCGAGGAGGTTGGGTCAACGCACACGCCACATTCTACGGCGG
TGGTGATGCTTCTGGCACAATGGGAGGTGCTTGTGGGTACGGGAACCTTTATAGC
CAAGGGTATGGAAC TAACACCGCAGCGCTAAGCACGGCTTTGTTCAACAACGGTT
TGAGCTGTGGTGCTTGTTCGAGCTAAGATGCCAAAACGATGGGAAATGGTGTCT
CCCTGGCTCAATCGTTGTCACAGCCACAACTTTTGCCCGCCTAACAACGCTTTAC
CGAACAACGCGGGAGGTTGGTGTAACCCTCCTCAGCAGCATTTTGATCTCTCTCA
GCCCGTATTTCAACGCATCGCTCAATACAGAGCTGGCATTGTCCCCGTCGCTTACC
GAAGAGTGCCATGCGTGAGAAGGGGAGGAATAAGGTTTACGATAAACGGACACT
CATACTTCAACCTGGTTCTGATTACTAACGTCGGAGGGGCCGGAGATGTCCACTC
TGTGATGGTCAAAGGATCAAGAACAGGGTGGCAATCCATGTCAAGAACTGGGG
ACAAAAC TGGCAGAGCAACTCTTACCTAACGGACAAGCTCTGTCTTTCAAAGTC
ACAACAAGCGACGGTCAAACCATCATCTCCAACAACGCCGCTCCCGCAGGCTGGT
CCTTTGGCCAGACCTTTACAGGAGCGCAGTTACGTTAG

Nucleotide

>CrEXPA-06

CAAACAACAGATTCTCATAAACACCTCTTCTTCTTTCCCTCTTTAAGAAAGGAAGA
AAGATCAAAACCTTCCAAAGTAATCATTTCTCTCTCTCTTTCTCTCACAAACAC
ATTCAGTATTTAGCTTCACAGAATCTAACTACATTTAACTATGTGCAGGTTTAC
ACAAAAGAGAGAACAATGGCTCTTTTCGCCTTCTTGTTTATGGCTATCCTCGGA
GTAATGACGTCATGTGTCAATGGCTACGCCGGAGGAGGTTGGGTCAACGCACAC
GCCACATTCTACGGCGGTGGTGATGCTTCTGGCACAATGGGTATGTTACCTAGAA

ACCTTCTAGTCAGTCATTATTAAGCTTTCAAATTTTGCATTAGTCACAATTCTCA
AAATCTCTGAAAATTTTGGTTTTTCAGGAGGTGCTTGTGGGTACGGGAACCTTTAT
AGCCAAGGGTATGGAAC TAACACCGCAGCGCTAAGCACGGCTTTGTTCAACAAC
GGTTTGAGCTGTGGTGCTTGCTTCGAGCTAAGATGCCAAAACGATGGGAAATGGT
GTCTCCCTGGCTCAATCGTTGTCACAGCCACAAACTTTTGCCCGCCTAACAACGCT
TTACCGAACAACGCGGGAGGTTGGTGTAACCCTCCTCAGCAGCATTTTGATCTCT
CTCAGCCCGTATTTCAACGCATCGCTCAATACAGAGCTGGCATTGTCCCCGTCGCT
TACCGAAGGTACAATCTTTCTTCAAAGTCTCCTACTTTTACACTAAAAAGAACA
GAAACAGAGCTACTCTGTTTTTACTCCAAAACAGAGTATGCGACTGAATTATAAA
AACAAGAAACAGAGCTGCTCTGTTTTTTCTCCCAAATCTTACTCTGTTTTGCATTA
TGTTGTGGTTTGTTTTAACAGAGTGCCATGCGTGAGAAGGGGAGGAATAAGGTTT
ACGATAAACGGACACTCATACTTCAACCTGGTTCTGATTACTAACGTCGGAGGGG
CCGGAGATGTCCACTCTGTGATGGTCAAAGGATCAAGAACAGGGTGGCAATCCA
TGTC AAGAACTGGGGACAAAAC TGGCAGAGCAACTCTTACCTAACGGACAAG
CTCTGTCTTTCAAAGTCACAACAAGCGACGGTCAAACCATCATCTCCAACAACGC
CGCTCCCGCAGGCTGGTCCTTTGGCCAGACCTTTACAGGAGCGCAGTTACGTTAG
GAAGGGGTGATATCGTCAAAGAAACATCATCTTTACTGATCGTGTGGTTCGTCTA
TGTTTAGTAGAAGCAAAGTAGCGAGAGAGGAGCATAATAGTAATTTGGTCCTTTC
TTACAGTTGGGGTCACCTGAACAAAAGAGAAGTGGTGCTTCTGTGAGTGCTTGA
TTTTGCACGAGGCCCTTGATGACGTCTTCTTTGTTTTGGGGACCTTTTCTTTATCTT
TTTTTTTTATATATATTTTGATTGGTGAGGTTTTTTTTATGTTATACTGATGCAGAGG
TGGATTAAGTTACCACCCGCTAGTAATAGTAATTGTAGTAGTCTCTCTTCTTGTTA
TTTGTAATCCCTTCTCGAAACGAGAGGGATGGTGTTTTTAGATTGTATTAGTCTCG
TTCAAAGTCATGTATGTT