

IDENTIFICATION

Species: *Capsella rubella*

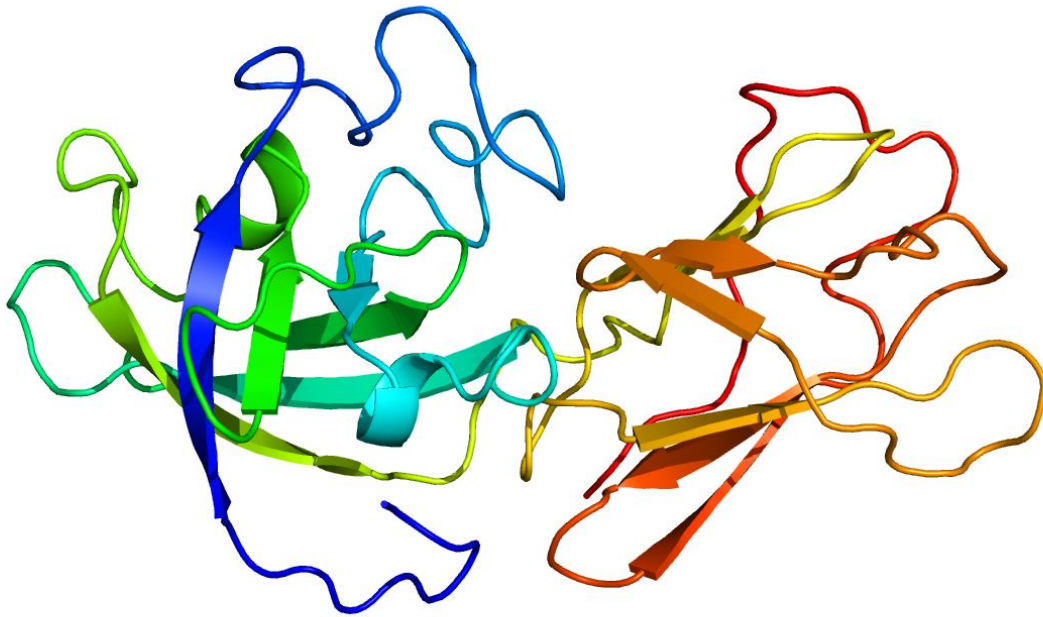
Locus: Carub.0002s0203

Gene Model: Carub.0002s0203.1.p

Description: CrEXPA-05

Family: Alpha Expansin

3D structure:



GENOME DATABASES

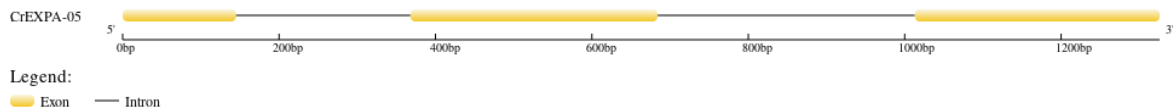
Phytozome: https://phytozome-next.jgi.doe.gov/info/Crubella_v1_1

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

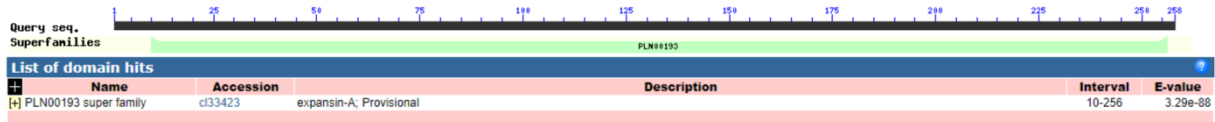
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>CrEXPA-05

MDQNL YRKCLVIISMAMIGTSM AAYAGTPWRRASATFYGDDTASATMGGACGYG
NMWDSGYGVATTALSTVLFNDGYACGQCFQIRCVSSPNCYYGSPATVVTATNICPPN
YGQDSNNGGW CNPPRAHFDLTKPAFMKIANWKAGIIPVSYRRVACKKSGGIRFKFEG
NGYWLLVYVMNVGGAGDIKTMAVKGSRTGWINMSHNWGASYQAFSSLYGQSLSF
RVTSYTTRQTVYAWNAAPASWSAGKTYQSKANFY*

CDS (coding sequence)

>CrEXPA-05

ATGGATCAA AATTTGTATCGCAAGTGCTTGGTTATTATATCGATGATGGCCATGA
TCGGAACATCAATGGCTGCTTATGCCGGA ACTCCATGGCGTAGGGCCTCAGCCAC
TTTTTACGGTGACGATAACGCCAGCGCAACTATGGGTGGGGCTTGTGGTTACGGT
AATATGTGGGACAGCGGCTACGGCGTAGCCACA ACTGCGCTTAGCACGGTGCTGT
TCAACGACGGTTACGCTTGTGGTCAATGTTTT CAGATAAGGTGTGTATCGTCACCT
AACTGCTACTACGGTTCACCAGCTACCGTGGTGACTGCGACCAACATATGTCCAC
CAA ACTATGGCCAAGATTCAAACAATGGTGGATGGTGT AATCCGCCACGTGCCCA
TTTTGATTTGACTAAACCAGCTTTCATGAAGATCGCTAATTGGAAGGCTGGAATC
ATCCCCGTCTCATAACCGCAGAGTGGCATGTAAGAAGAGCGGAGGAATAAGGTTTC
AAATTTGAAGGAAATGGGTATTGGCTACTTGTGTACGTGATGAACGTAGGTGGAG
CAGGTGACATAAAGACCATGGCCGTGAAAGGTAGCCGAACAGGATGGATCAACA
TGAGCCATAATTGGGGAGCTTCGTACCAAGCTTTCTCTTCTCTATATGGTCAGTCT
CTCTCCTTCCGAGTCACCTCTTACACCACTCGTCAGACCGTTTACGCTTGGAACGC
TGCTCCGGCTAGCTGGAGTGCCGGTAAGACCTACCAGAGCAAGGCTAATTTCTAC
TGA

Nucleotide

>CrEXPA-05

ATGGATCAA AATTTGTATCGCAAGTGCTTGGTTATTATATCGATGATGGCCATGA
TCGGAACATCAATGGCTGCTTATGCCGGA ACTCCATGGCGTAGGGCCTCAGCCAC
TTTTTACGGTGACGATAACGCCAGCGCAACTATGGGTAATTTAAAGTTTTTATACT
TGATACTTCTACAATATCTATTGTATATGGTATACAA CTATATATAGATGAATTG
ATTAAATATGGACGTTGCATGTTATTTAATTTGACACGGTCGTTTGTTCGTTTT

CGTACGTAACATAAAAATGAAAACACAAAGAAACACTAAAATGTATTGTCAATA
TTTTAACATATACCATGATATATATACATCGATCAGGTGGGGCTTGTGGTTACGGT
AATATGTGGGACAGCGGCTACGGCGTAGCCACAACCTGCGCTTAGCACGGTGCTGT
TCAACGACGGTTACGCTTGTGGTCAATGTTTTTCAGATAAGGTGTGTATCGTCACCT
AACTGCTACTACGGTTCACCAGCTACCGTGGTGACTGCGACCAACATATGTCCAC
CAAACCTATGGCCAAGATTCAAACAATGGTGGATGGTGTAAATCCGCCACGTGCCCA
TTTTGATTTGACTAAACCAGCTTTCATGAAGATCGCTAATTGGAAGGCTGGAATC
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CGTATAATAATGTGTGTGTATACTATTACAATTTCCATTTTTTTTTTTTCAAACCTAT
AGAAATGGTTTATCAATCATAGTACATCTATATTTTTTATTTTATTTTTTTAATAAT
CAAAGAGGTTTTAGGCCGAAACCAATACATCTCCTCATGCCCGAAACCAAAGCAT
GTTATATGGTCTCGTCCCAAGCGCCTCGAAATAGTATATCTATATTCAATAATGTG
TTTGTAAGATTTGTATACATGCTAGAATATGATTATATGTTGATAATTTGGTATAT
ATGTATATACAGAGTGGCATGTAAGAAGAGCGGAGGAATAAGGTTCAAATTTGA
AGGAAATGGGTATTGGCTACTTGTGTACGTGATGAACGTAGGTGGAGCAGGTGA
CATAAAGACCATGGCCGTGAAAGGTAGCCGAACAGGATGGATCAACATGAGCCA
TAATTGGGGAGCTTCGTACCAAGCTTCTCTTCTCTATATGGTCAGTCTCTCTCCTT
CCGAGTCACCTCTTACACCACTCGTCAGACCGTTTACGCTTGGAACGCTGCTCCG
GCTAGCTGGAGTGCCGGTAAGACCTACCAGAGCAAGGCTAATTTCTACTGA