

IDENTIFICATION

Species: *Capsella rubella*

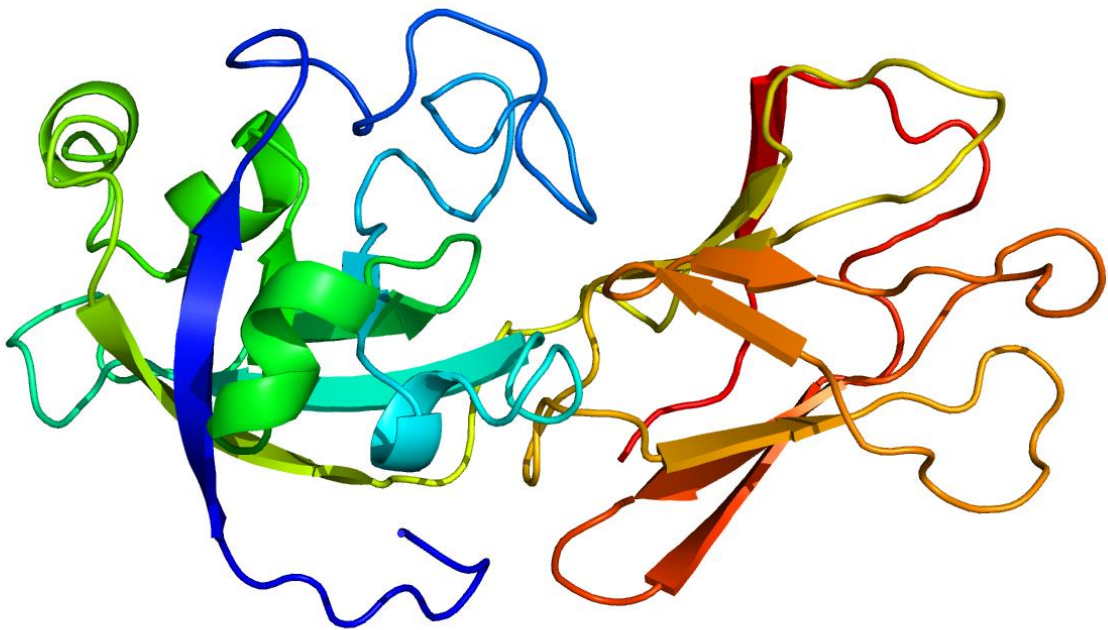
Locus: Carub.0005s2729

Gene Model: Carub.0005s2729.1.p

Description: CrEXPB-05

Family: Beta Expansin

3D structure:



GENOME DATABASES

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

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

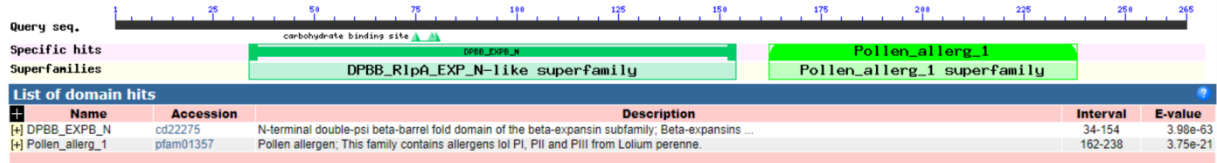
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>CrEXPB-05

MASSSIKSFSFILALTTLFAISLKPCYGHNKTHWNTAGITWYGDREGPGSTGGACGFG
DAVAKPPYKCMVSAGGPSLFDKDGKCAACYRLKCDHPFCTKKPIKVMISDECPGCT
KESVHFDLSGKAFGALAKRGKGDQLRNLGELKVSYKRACCKHPKTKIAIHVDAGAN
PYYMSFTAKYANGDGNFACIEVQPAGGNYIKMEEMRSAVWKLNSGSPLKGPFNIRL
TSAVSGKKIVAKGVPEKWSPGAIIYHSHKVNFPVPPKHK*

CDS (coding sequence)

>CrEXPB-05

ATGGCTTCCTCATCTATTAATCTTTTTCTTTTATCCTTGCTCTCACAACCTCTCTTT
GCAATCTCGTTGAAGCCATGTTATGGCCATAATAAAACCCACTGGAACACCGCCC
GCATCACTTGGTATGGCGACCGAGAAGGCCCTGGCTCCACAGGAGGAGCTTGTG
GATTTGGTATGCAGTGGCAAAGCCCCCGTACAAATGTATGGTATCAGCCGGAGG
ACCTTCATTGTTCAAAGATGGAAAGGGTTGTGCGGCATGTTATAGGCTTAAGTGC
GACCATCCCTTTTGCACAAAAAAGCCGATCAAGGTGATGATATCGGATGAGTGTC
CAGGCTGCACGAAGGAGTCTGTCCATTTGATCTTAGCGGTAAGGCCCTTTGGTGC
ATTGGCCAAACGTGGCAAGGGCGATCAATTACGCAACCTTGGAGAACTTAAAGTT
AGTTACAAACGTGCATGTTGCAAACACCCTAAGACTAAGATAGCTATCCATGTGG
ACGCCGGAGCAAATCCTTACTACATGTCTTTCACCGCTAAGTATGCAAACGGCGA
CGGGAACCTTCGCCTGCATCGAGGTCCAACCGGCTGGAGGAAATTACATAAAGAT
GGAGGAAATGAGATCCGCCGTTTGGAACTAAACTCTGGTTCTCCTTTGAAAGGT
CCGTTCAACATCAGGCTTACCTCCGCCGTGTCTGGTAAGAAGATCGTCGCCAAAG
GTGTTATCCCGGAAAAGTGGAGTCCTGGTGCTATTTACCATTCCAAGGTTAACTTC
CCCGTTCCAAAGAAACACAAATGA

Nucleotide

>CrEXPB-05

ATGGCTTCCTCATCTATTAATCTTTTTCTTTTATCCTTGCTCTCACAACCTCTCTTT
GCAATCTCGTTGAAGCCATGTTATGGCCATAATAAAACCCACTGGAACACCGCCC
GCATCACTTGGTATGGCGACCGAGAAGGCCCTGGCTCCACAGGTA AATTACTTAA

ACCCATTCATTGTTCCAATACATTATTA AAAAATATTTTTACATATTTACATACGTA
TGGTCCCCAAATTCATATACAGGAGGAGCTTGTGGATTTGGTGATGCAGTGGCA
AAGCCCCGTACAAATGTATGGTATCAGCCGGAGGACCTTCATTGTTCAAAGATG
GAAAGGGTTGTGCGGCATGTTATAGGGTATTTACATATAACGATTACAATTAATC
GGATATCATATTGTAAATGTATATCTCTCTATATATATACATACTAATCATGTGTT
TATCTATGTTATATATAGCTTAAGTGCGACCATCCCTTTTGCACAAAAAAGCCGAT
CAAGGTGATGATATCGGATGAGTGTCCAGGCTGCACGAAGGAGTCTGTCCATTTT
GATCTTAGCGGTAAGGCCTTTGGTGCATTGGCCAAACGTGGCAAGGGCGATCAAT
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TGTTCTGCATGGTTCGGTTTTCTCGGGTTTTTTTTGGATAGAAAAAAGCATGTATAG
ACATTTCAGTATATATATACGCCGAACAAATTTTGCATGCATGTATCGACGACTTT
TACGGATAAAAAAATAGACTAATTAATCCTAATTCAATATCATACATATACATAT
ATATATGCAGTGCATGTTGCAAACACCCTAAGACTAAGATAGCTATCCATGTGGA
CGCCGGAGCAAATCCTTACTACATGTCTTTCACCGCTAAGTATGCAAACGGCGAC
GGGAACTTCGCCTGCATCGAGGTCCAACCGGCTGGAGGAAATTACATAAAGATG
GAGGAAATGAGATCCGCCGTTTGGAACTAAACTCTGGTTCTCCTTTGAAAGGTC
CGTTCAACATCAGGCTTACCTCCGCCGTGTCTGGTAAGAAGATCGTCGCCAAAGG
TGTTATCCCGGAAAAGTGGAGTCCTGGTGCTATTTACCATTCCAAGGTAACTTCC
CCGTTCCAAGAAACACAAATGA