

IDENTIFICATION

Species: *Capsella grandiflora*

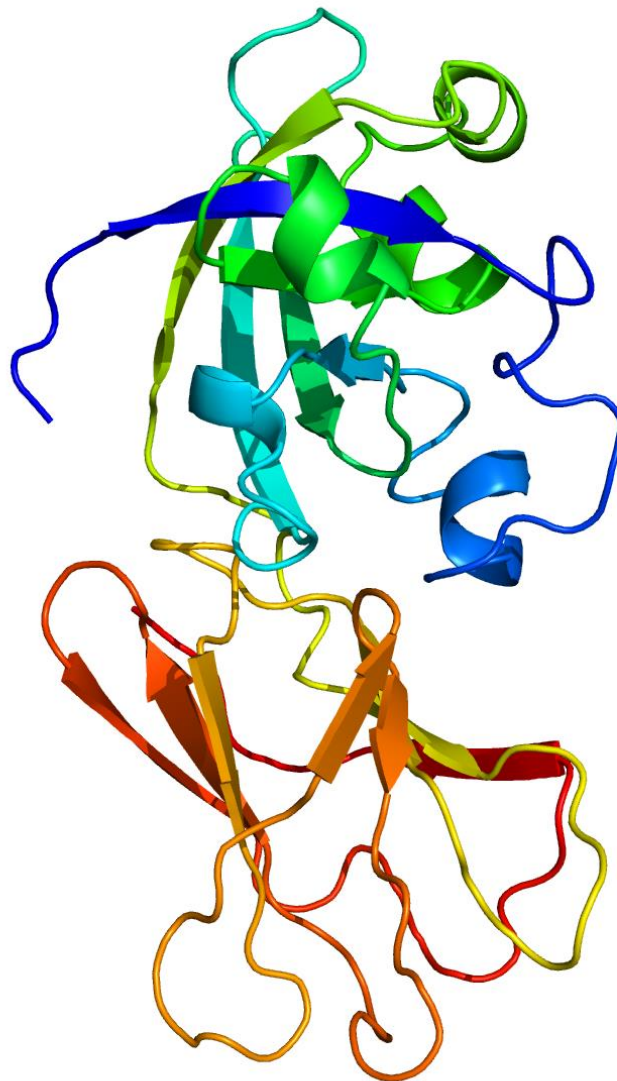
Locus: Cagra.0239S0062

Gene Model: Cagra.0239S0062.1.p

Description: CgrEXPB-02

Family: Beta Expansin

3D structure:



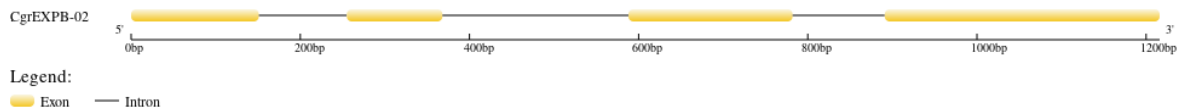
GENOME DATABASES

Phytozome: https://phytozome-next.jgi.doe.gov/info/Cgrandiflora_v1_1

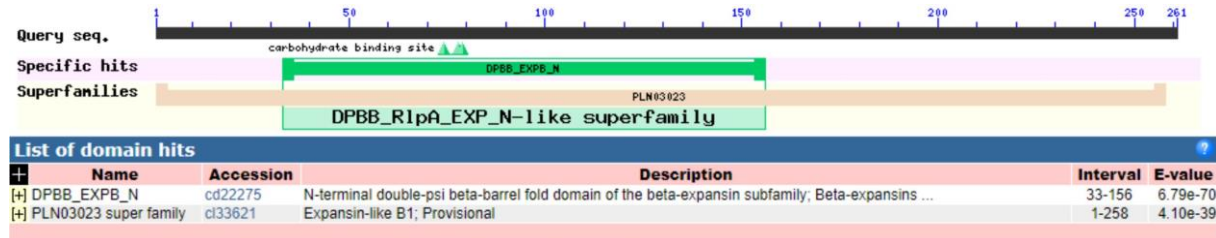
EXTERNAL RESOURCES

-

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>CgrEXPB-02

MALSHKNFVLLALFVVSLKFCYCQNETIDVAGWGAAGVTWYGE PDGAGSTGGACG
YGFVVNPPPLYAMVSAGGPSLFSGSGGTCYQIACSGNPACSGKPITVITITDECPGG
PCTSEPTHF DLSGRAMGALAKPGQANRLRSAGVLRVYYKRAACLYGGTNIAFRMDA
GANPFYIAFLVEYENG DGLASVEIQPAGGRFLRMQEMRSA VWKINSGSALRGP FNI
RLTSGESHKVVIAYNVIPANWRPDVTYRSIVNFH*

CDS (coding sequence)

>CgrEXPB-02

ATGGCATTATCACATAAAAATTTTCGTTCTTTTGGCTCTTTTCG TAGTCTCACTAAA
GTTTTGTTATTGTCAA AATGAGACTATAGATGTTGCGGGATGGGGGGCCGCCGGA
GTTACTTGGTATGGTGAACCTGACGGCGCGGGTAGCACTGGAGGAGCTTGTGGGT
ACGGTTTCGCGGTTGTTAATCCACCGTTATACGCCATGGTTTCAGCCGGAGGCCCT
TCACTGTTCAACAGTGGATCAGGATGTGGAACATGTTATCAGATTGCGTGCAGCG
GGAATCCTGCATGCTCGGGGAAACCTATAACGGTGACGATAACCGACGAATGTC
CCGGCGGTCTTGCACCTCCGAACCAACCCACTTTGATCTTAGCGGCAGAGCCAT
GGGTGCCTTAGCCAAACCTGGCCAAGCCAACCGACTTCGATCTGCTGGTGTCTA
CGTGTTTACTACAAACGAGCGGCATGTTTATATGGAGGAACAAATATAGCTTTC
GTATGGACGCGGGAGCAAATCCGTTTTACATAGCATTCTTGTGCGAGTATGAAAA
TGGTGATGGAGACTTGGCGTCCGTTGAGATTCAACCGGCCGGCGGAAGATTCCTC
CGCATGCAAGAAATGAGATCGGCCGTATGGAAGATCAACTCTGGCAGTGCTCTA
AGAGGTCCATTCAACATCAGACTTACCTCTGGTGAGTCTCATAAAGTAGTAATTG
CTTATAATGTCATTCCGGCTAACTGGAGACCCGACGTAACATAACCGTTCAATTGTT
AACTTTCATTAG

Nucleotide

>CgrEXPB-02

ATGGCATTATCACATAAAAATTTTCGTTCTTTTGGCTCTTTTCG TAGTCTCACTAAA
GTTTTGTTATTGTCAA AATGAGACTATAGATGTTGCGGGATGGGGGGCCGCCGGA

GTTACTTGGTATGGTGAACCTGACGGCGCGGGTAGCACTGGTACTTCATAATATT
AAATTACATATTTGATATTTGTAACAGCATAAATACCTAATTTCTGAATAATAATT
TATTTGTATATGATGCTTTAAATATATGTGTAGGAGGAGCTTGTGGGTACGGTTTC
GCGGTTGTTAATCCACCGTTATACGCCATGGTTTCAGCCGGAGGCCCTTCACTGTT
CAACAGTGGATCAGGATGTGGAACATGTTATCAGGTTTCGTATGTATGAAAAGAGC
AATAGTAATATATGTAGCATAGAAGTAATGTCTTTCTAGTCCGCTGAATTAATGTT
TTTAAGGTAATGTATGGTTACAAAATGAACATTAAATATTTGGCTGTGGTCACAC
TGCATTTGTTTTGGAAACAAAACATGAAAGTCTGAAAGTATATAATATGGTTACA
ACAATATTTAATGTTAATTTTTTCAATATATAGATTGCGTGCAGCGGGAATCCTGC
ATGCTCGGGGAAACCTATAACGGTGACGATAACCGACGAATGTCCCGGCGGTCTT
TGCACCTCCGAACCAACCCACTTTGATCTTAGCGGCAGAGCCATGGGTGCCTTAG
CCAAACCTGGCCAAGCCAACCGACTTCGATCTGCTGGTGTCTACGTGTTTACTAC
AAACGGTATACACATATATGATATATGTCCAAGTATTTTGTATTTTAGCTATTTAT
GTATATATATATATGATAAACCGATCAAATTTATGACTCTTGCTCTCTTAATTAAT
AGAGCGGCATGTTTATATGGAGGAACAAATATAGCTTTCCGTATGGACGCGGGA
GCAAATCCGTTTTACATAGCATTCTTGTCGAGTATGAAAATGGTGATGGAGACT
TGGCGTCCGTTGAGATTCAACCGGCCGGCGGAAGATTCCCTCCGCATGCAAGAAAT
GAGATCGGCCGTATGGAAGATCAACTCTGGCAGTGCTCTAAGAGGTCCATTCAAC
ATCAGACTTACCTCTGGTGAGTCTCATAAAGTAGTAATTGCTTATAATGTCATTCC
GGCTAACTGGAGACCCGACGTAACATACCGTTCAATTGTTAACTTTCATTAG