

## IDENTIFICATION

**Species:** *Capsella grandiflora*

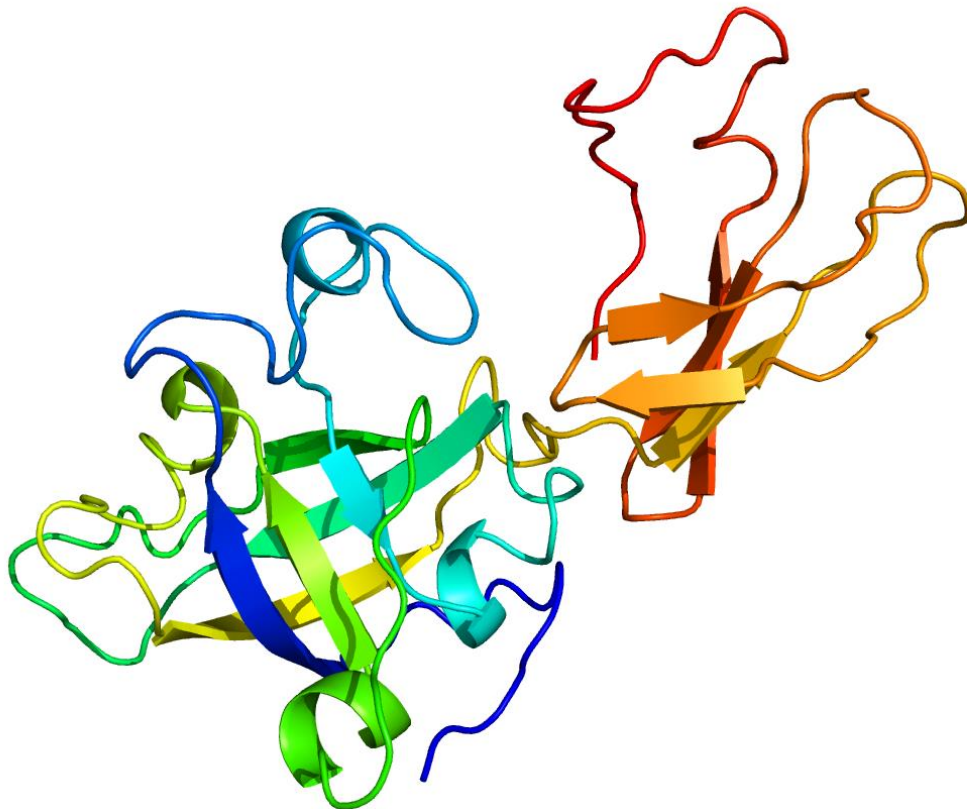
**Locus:** Cagra.20943S0003

**Gene Model:** Cagra.20943S0003.1.p

**Description:** CgrEXPA-25

**Family:** Alpha Expansin

**3D structure:**



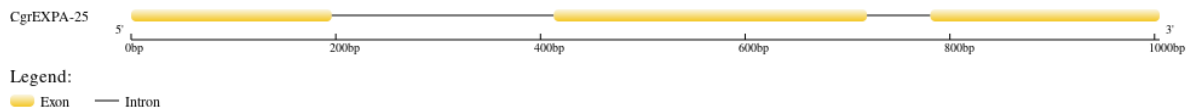
## GENOME DATABASES

Phytozome: [https://phytozome-next.jgi.doe.gov/info/Cgrandiflora\\_v1\\_1](https://phytozome-next.jgi.doe.gov/info/Cgrandiflora_v1_1)

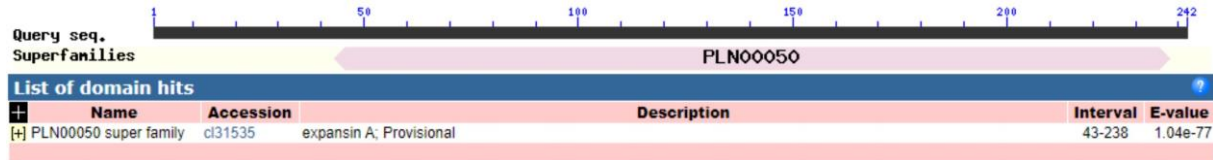
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>CgrEXPA-25

MKLLEKITYVECFMLIMVTWVFSMSHGENGKVAEAPLGNPTNGLDTSWYDARATFY  
GDIHGGGTLEGACGYGNKPTYGLATAALSTVLFNNGYTCGACYEIMCTRSPQWCLP  
GSIKITATNFCPPDSAWCNAPNKHFDLSQPMFLKIAQYKAGIVPIRYRRVSCSRDGGGA  
GDIKYVQVKGSKTGWITMARNWQNWSTSVPVPTGQSLSLRVTTSDGVTKDFINVMP  
SNWGFQTFDGKTNF\*

### CDS (coding sequence)

>CgrEXPA-25

ATGAAACTCTTAGAAAAAATTACTTATGTAGAATGTTTTATGTTAATTATGGTGAC  
ATGGTTTGTGTCCATGAGTCATGGTGAGAATGGTAAAGTAGCCGAAGCACCCTA  
GGCAACCCAACCAACGGACTCGACACTTCTTGGTATGACGCTCGAGCCACATTTT  
ATGGTGATATCCATGGTGGAGGCACTCTAGAAGGAGCTTGTGGATACGGTAACA  
AACCAACGTATGGTCTAGCCACAGCAGCATTGAGCACGGTGCTTTTCAACAATGG  
GTACACTTGCGGAGCTTGTTACGAGATCATGTGTACACGTTCTCCACAATGGTGT  
TGCTTGATCTATCAAGATCACAGCGACAAATTTCTGTCCACCAGATTCTGCTTG  
GTGCAACGCGCCAAACAAACTTTGATCTCTCCAACCAATGTTCTCAAGATC  
GCTCAGTACAAAGCCGGGATTGTCCCGATTAGATACAGACGTGTTTCTTGTTTGA  
GAGATGGAGGAGCCGGAGATATTAAGTACGTCCAAGTTAAGGGAAGCAAAACCG  
GGTGGATAACAATGGCAAGAACTGGGGACAAACTGGAGCACTAGTGTGTTGTT  
CAACTGGTCAGAGCTTATCATTGAGAGTTACGACGAGTGATGGTGTACAAAGGA  
CTTTATTAATGTGATGCCATCAAATTGGGGATTTGGACAAACTTTTGATGGGAAG  
ACTAACTTTTAA

### Nucleotide

>CgrEXPA-25

ATGAAACTCTTAGAAAAAATTACTTATGTAGAATGTTTTATGTTAATTATGGTGAC  
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GGCAACCCAACCAACGGACTCGACACTTCTTGGTATGACGCTCGAGCCACATTTT  
ATGGTGATATCCATGGTGGAGGCACTCTAGGTAAGTTAAAAAAAACACTAATAT  
ATTCTTGAACATAATTATTGAATTATTTGTATAGATTTTCGATTGTTTAAAATGCT

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TTTAAAATACATAAAACCTATAATTCATTTGGAAGACCATTATATTAGCTATTCAC  
TCTTGTTTCTTTATACATGTAATAGAAGGAGCTTGTGGATACGGTAACAAACCAA  
CGTATGGTCTAGCCACAGCAGCATTGAGCACGGTGCTTTTCAACAATGGGTACAC  
TTGCGGAGCTTGTTACGAGATCATGTGTACACGTTCTCCACAATGGTGTGTTGCCTG  
GATCTATCAAGATCACAGCGACAAATTTCTGTCCACCAGATTCTGCTTGGTGCAA  
CGCGCCAAACAAACACTTTGATCTCTCCAACCAATGTTCCCTCAAGATCGCTCAG  
TACAAAGCCGGGATTGTCCCGATTAGATACAGACGTGTTTCTTGTTTCGAGAGATG  
GTGGTGTCAAGTTTGAAACCAAGGAAACCCTAATTTCTTAATGATCTTGGCGTAT  
AATGTAGGAGGAGCCGGAGATATTAAGTACGTCCAAGTTAAGGGAAGCAAAACC  
GGGTGGATAACAATGGCAAGAACTGGGGACAAACTGGAGCACTAGTGTTGTT  
CCAACCTGGTCAGAGCTTATCATTGAGAGTTACGACGAGTGATGGTGTACAAAGG  
ACTTTATTAATGTGATGCCATCAAATTGGGGATTTGGACAAACTTTTGATGGGAA  
GACTAACTTTTAA