

## IDENTIFICATION

**Species:** *Brassica oleracea capitata*

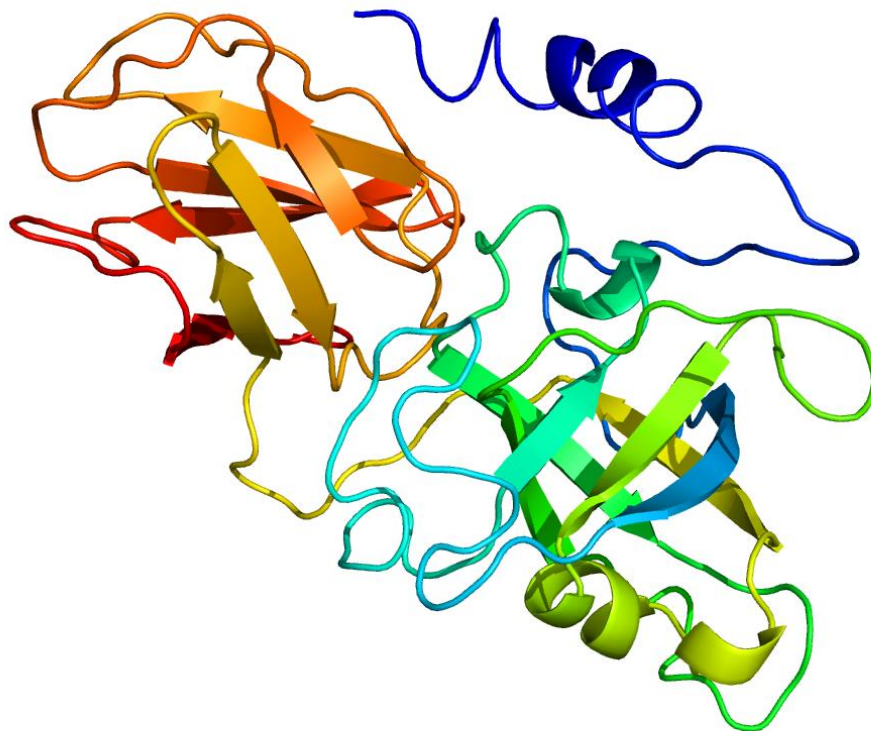
**Locus:** Bol033094

**Gene Model:** Bol033094

**Description:** BolEXPA-06

**Family:** Alpha Expansin

**3D structure:**



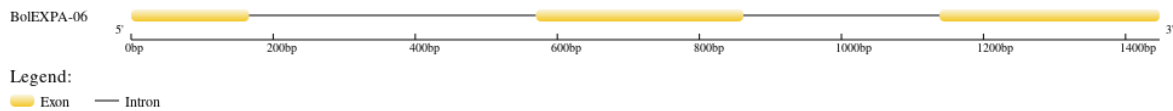
## GENOME DATABASES

Phytozome: [https://phytozome-next.jgi.doe.gov/info/Boleraceacapitata\\_v1\\_0](https://phytozome-next.jgi.doe.gov/info/Boleraceacapitata_v1_0)

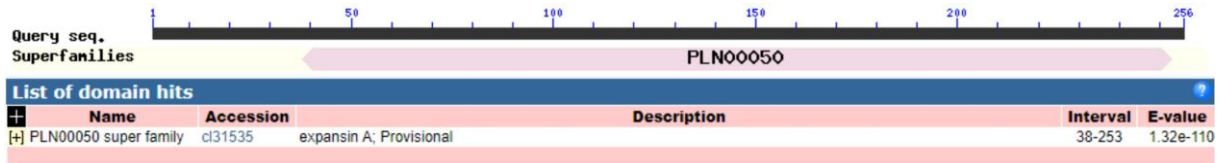
## EXTERNAL RESOURCES

<http://www.ocri-genomics.org/bolbase/login.htm>

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>BolEXPA-06

MGALVISSLLLHVLAYSICVQGFYRRGGHHPGGHGGPWINAHATFYGGGDASGTMG  
GACGYGNLYGQGYGIETAALSTALFDNGLSCGACFELKCVNDPKWCIQGRSIVVTAT  
NFCPPGGACDPPNHFFDLSQPIYEHIALYKSGIIPVMYRRVRCRRRGGIRFTINGHSYF  
NLVLVTNVGGAGDVHSVSMRGSRSRWQLMSRNWGQNWQSN SYLNGQSLSFVVTTTS  
DRRSVVSYNVAPPSWSFGQTYIGGQFRY\*

### CDS (coding sequence)

>BolEXPA-06

ATGGGAGCTTTAGTAATCTCGTCCCTCCTGCTACATGTCCTAGCGTATTCCATCTG  
CGTTCAAGGCTTCTACCGTCGTGGCGGCCATCATCCGGGCGGCCACGGAGGACCT  
TGGATCAACGCTCATGCCACTTTCTATGGCGGCGGTGATGCTTCCGGCACTATGG  
GTGGAGCATGTGGGTACGGGAATCTTTATGGCCAAGGTTACGGAATAGAGACGG  
CAGCGCTGAGCACGGCGTTATTCGACAATGGACTCAGCTGTGGTGC GTGTTTCGA  
GCTGAAGTGTGTCAACGATCCTAAATGGTGCATAACAAGCCGGTCCATTGTAGTC  
ACTGCCACTAACTTTTGTCTCCTGGTGGCGCCTGCGATCCTCCCAACCACCATTT  
CGATCTTTCTCAACCAATCTACGAGCATATCGCTCTTTACAAGTCCGGTATCATT  
CGGTTATGTACAGAAGGGTTCGGTGCAGAAGAAGAGGCGGGATAAGGTTACGA  
TCAACGGCCACTCATACTTTAACTTGGTGTGGTGCACAAACGTCGGTGGAGCCGG  
GGACGTACACTCGGTGTCGATGAGAGGGTCACGTTACGATGGCAATTAATGTCA  
AGAAACTGGGGGCAAACTGGCAAAGCAACTCTTATCTCAATGGTCAAAGTCTGT  
CGTTTGTGTGACCACAAGTGATCGCCGAAGTGTGTATCGTACAATGTTGCTCCT  
CCTAGTTGGTCCTTTGGCCAGACCTACATCGGAGGGCAGTTTCGGTATTAA

### Nucleotide

>BolEXPA-06

ATGGGAGCTTTAGTAATCTCGTCCCTCCTGCTACATGTCCTAGCGTATTCCATCTG  
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CCAACCACCATTTTCGATCTTTCTCAACCAATCTACGAGCATATCGCTCTTTACAAG  
TCCGGTATCATTCCGGTTATGTACAGAAGGTACTAATTTATTCATGAAATTGCATA  
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TACCACACA ACTTAATGGAATTTAGACCTATAAATACGCATTTACTACTTCTGGA  
CCAGTTGATAAATGTAGGAGAAATTGGGTAATAAGTTATTAATAGACCTAACTTG  
TGGTGCCTCTATAAATAATTATTTTTATAGGGTTCGGTGCAGAAGAAGAGGGCGGGA  
TAAGGTTACGATCAACGGCCACTCATACTTTAACTTGGTGTGCTGGTCACAAACGT  
CGGTGGAGCCGGGGACGTACACTCGGTGTCGATGAGAGGGTCACGTTACGATG  
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CGGTATTAA