

## IDENTIFICATION

**Species:** *Brassica oleracea capitata*

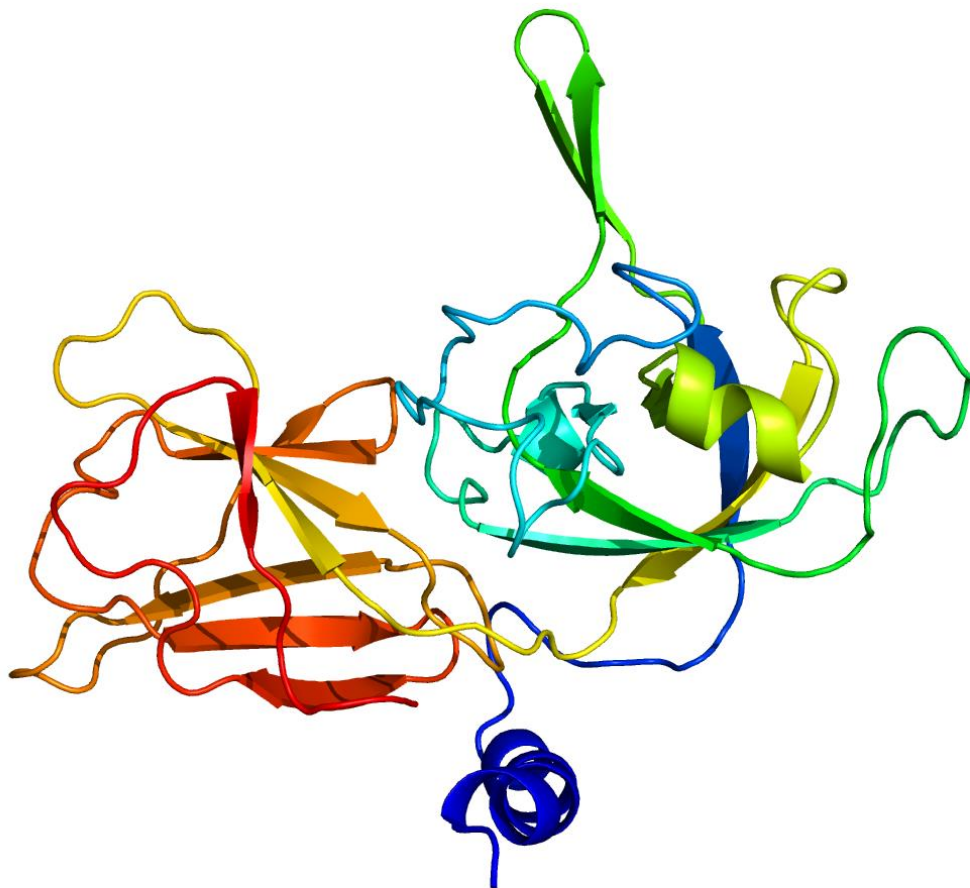
**Locus:** Bol030713

**Gene Model:** Bol030713

**Description:** BolEXPA-09

**Family:** Alpha Expansin

**3D structure:**



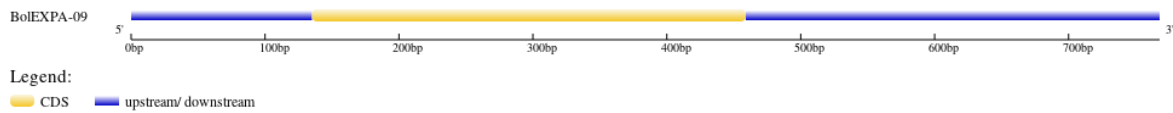
## GENOME DATABASES

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

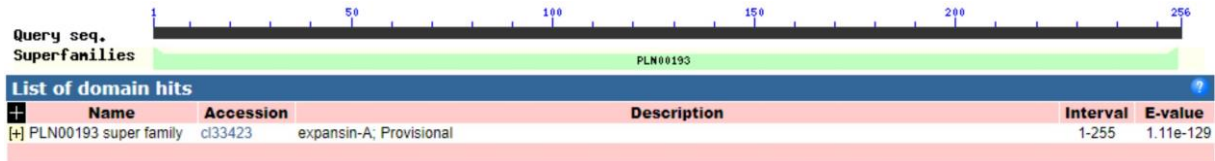
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>BolEXPA-09

MAKIASLLVAVIFYAMFFMKISSVSAGWLRAHATFYGGSDASGTMGGACGYGNLYT  
DGYKTNTAALSTALFNDGKSCGGCYQIVCDASKVPQWCLRGRSITITATNFCPPNFA  
QASDNGGWCNPPRPHFDMAQPAFLTIAKYKAGIVPILYKRVGCRSSGGMRFTMNGR  
NYFELVLISNVGGAGEISKVWIKGSRSKKWETMSRNWGANWQSNTYLNQSLSKV  
QLSNGRIKAALNVVPSNWRFGQSFKSNIQF\*

### CDS (coding sequence)

>BolEXPA-09

ATGGCGAAGATCGCCTCTCTTTTGGTCGCAGTTATCTTCTACGCAATGTTTTTCAT  
GAAAATCAGTTCAGTTTCTGCAGGGTGGTTGCGAGCTCATGCGACCTTCTATGGT  
GGAAGTGATGCTTCTGGTACAATGGGTAAGTCCCAAACACTACGGCTTGATATTTT  
TATTCGGTTCGGTTTAATTTAACACTTCAAATTGTATTTTTTTCGATTTGGAGAAAC  
TTATATTTTCAAATTATTTTCGGTTTGGTTCAGTTCTATATCTACATACAAATATAGT  
TTCTATATCTACATACAAATATAGTTTTAATATTTATTCTTCTTATGATATGATCTT  
TTCATGAGGTTACTTCTTGCTCAAGAAATGTATTTATAATTTACCTTCAGGTGGA  
GCTTGTGGTTATGGAACTTATATACGGATGGTTACAAAACAAACACTGCGGCAT  
TGAGCACAGCACTGTTCAATGACGGCAAGTCATGTGGTGGATGTTACCAGATTGT  
CTGCGACGCGTCCAAAGTGCCACAATGGTGTCTTAGAGGCAGATCAATCACAATT  
ACTGCCACAACTTTTGTCCACCAAACTTTGCTCAGGCAAGTGACAATGGAGGAT  
GGTGCAACCCACCAAGACCTCACTTCGACATGGCTCAACCTGCCTTTCTCACCAT  
CGCTAAGTACAAAGCTGGAATCGTCCCATCCTCTACAAAAGGTAATTACATTAC  
AACTTCTACTTAATGCTCTAAACAATTTTAAACATGTATTTTATATTTTATCTAAT  
ATCCTATATATTTATAATATATAAACTTGCATTAACCTTTATAAGTTCACGTTA  
ATTGTACAGTAATGTTAGTCAATGTTACTATTTCTGTTTTCTTGTAGATCAAGAAT  
GTCATAAAATAGTGTGCTTAAAGGGTCTTCTTATTGTTATAGGGTTGGATGCAG  
AAGAAGTGGAGGGATGAGATTCACAATGAATGGTAGGAACTATTTTCGAGCTGGT  
TCTCATCTCAAACGTAGGAGGAGCTGGTGAGATCTCTAAAGTTTGGATTAAGGC  
TCTAGAAGCAAGAAATGGGAGACTATGTCAAGAACTGGGGAGCTAACTGGCAA  
AGCAACACCTACCTTAATGGCCAATCTCTCTTTCAAAGTTCAACTCAGCAATG

GAAGAATCAAAGCAGCTCTCAACGTCGTTCCCTTCCAATTGGCGGTTTGGTCAGAG  
CTTCAAGAGCAACATCCAGTTCTAA

**Nucleotide**

>BolEXPA-09

ATGGCGAAGATCGCCTCTCTTTTGGTCGCAGTTATCTTCTACGCAATGTTTTTTCAT  
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GGAAGTGATGCTTCTGGTACAATGGGTGGAGCTTGTGGTTATGGAACTTATATA  
CGGATGGTTACAAAACAAACACTGCGGCATTGAGCACAGCACTGTTCAATGACG  
GCAAGTCATGTGGTGGATGTTACCAGATTGTCTGCGACGCGTCCAAAGTGCCACA  
ATGGTGTCTTAGAGGCAGATCAATCACAATTACTGCCACAAACTTTTGTCCACCA  
AACTTTGCTCAGGCAAGTGACAATGGAGGATGGTGCAACCCACCAAGACCTCACT  
TCGACATGGCTCAACCTGCCTTCTCACCATCGCTAAGTACAAAGCTGGAATCGT  
CCCCATCCTCTACAAAAGGGTTGGATGCAGAAGAAGTGGAGGGATGAGATTCAC  
AATGAATGGTAGGAACTATTTTCGAGCTGGTTCTCATCTCAAACGTAGGAGGAGCT  
GGTGAGATCTCTAAAGTTTGGATTAAAGGCTCTAGAAGCAAGAAATGGGAGACT  
ATGTCAAGAACTGGGGAGCTAACTGGCAAAGCAACACCTACCTTAATGGCCAA  
TCTCTCTTTCAAAGTTCAACTCAGCAATGGAAGAATCAAAGCAGCTCTCAACG  
TCGTTCCCTTCCAATTGGCGGTTTGGTCAGAGCTTCAAGAGCAACATCCAGTTCTAA