

## IDENTIFICATION

**Species:** *Brassica oleracea capitata*

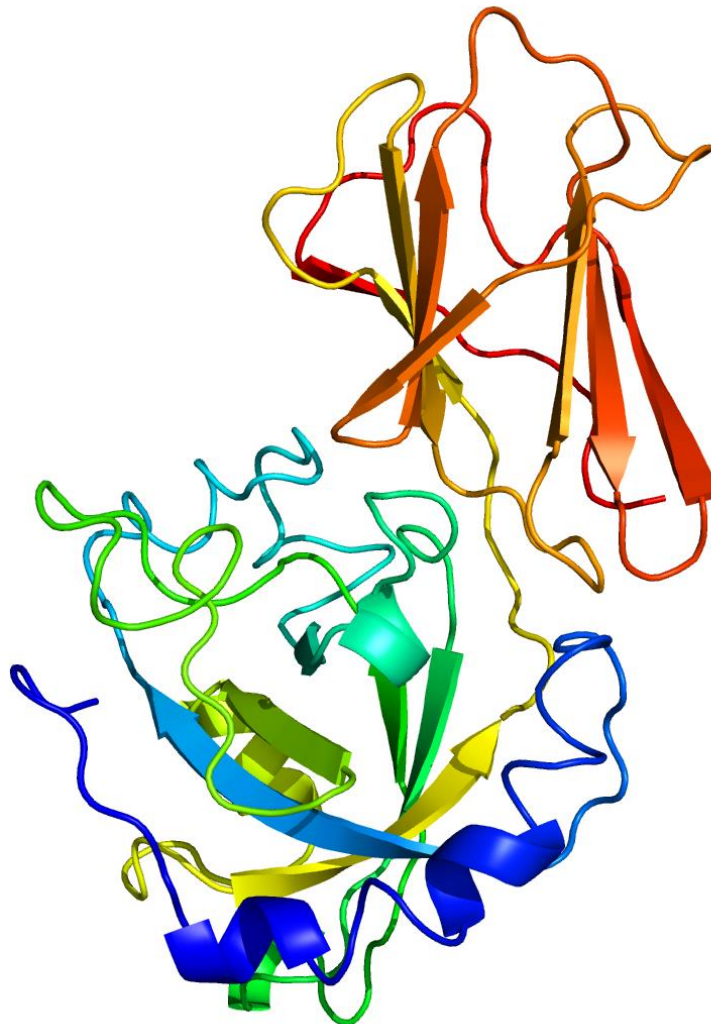
**Locus:** Bol010450

**Gene Model:** Bol010450

**Description:** BolEXPA-16

**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)

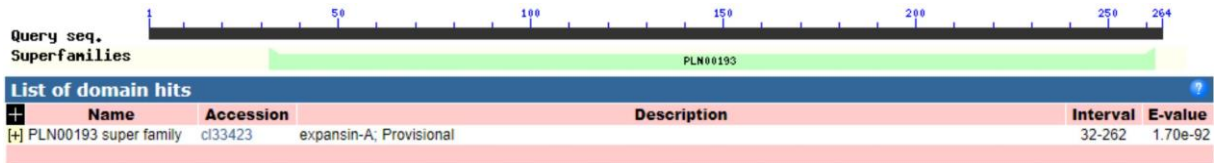
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>BolEXPA-16

MGPISSWSFKKFFAIVFVVFAISGEFVAGYYRSPWRYAHATFYGDETGMGGA  
CGYGNLFSNGYGLNTAALSTTLFKDGYACGQCFQIMCVQSKHCYYGNPSTVVTATN  
LCPPNWFYQDTNNGGWCNPPRTHFDMAKPAFMKLANWRAGIIPVSYRRVPCKRSGG  
MRFQFQGNAYWLLIFVMNVGGAGDIKSMVAVKGSRTNWISMHNWGASYQAFSSLY  
GQSLFRITSYTTGETVYAWNVAASNWNAGMTYKSYTNFR\*

### CDS (coding sequence)

>BolEXPA-16

ATGGGTCCGATCTCAAGTTCTTGGAGCTTCAAAAAGTTCTTTGCAATAGTCTTTGT  
CGTTTTCGCCATCTCCGGTGAGTTTGTCGCCGGATATTACAGGCCGAGCCCGTGG  
AGATACGCTCATGCCACTTTCTATGGCGACGAGACCGGTAGTGAAACCATGGGTG  
GTGCATGTGGATACGGAAACCTGTTTAACAGTGGTTACGGCCTGAACACGGCGGC  
ACTAAGCACGACGTTGTTCAAAGACGGTTACGCATGCGGCCAATGTTTCCAGATA  
ATGTGTGTGCAGTCAAACATTGTTACTATGGAAACCCATCGACGGTGGTCACAG  
CCACCAACCTCTGCCCTCCTAATTGGTACCAAGACACCAACAATGGTGGTTGGTG  
CAATCCTCCTAGAACCCATTTTCGATATGGCTAAACCGGCTTTCATGAAACTCGCT  
AACTGGAGGGCTGGCATCATCCCTGTTTCATACCGCAGAGTCCCATGCAAAAAGGA  
GTGGCGGTATGAGGTTTCAATTCCAAGGCAATGCGTATTGGCTTCTCATCTTTGTC  
ATGAATGTTCGGCGGCCGGAGACATCAAGAGCATGGCCGTGAAAGGTAGCAGG  
ACGAATTGGATAAGCATGAGCCACAACCTGGGGGGCCTCTTACCAAGCTTTTTTCTT  
CTCTCTACGGTCAGTCTCTCTTTCCGGATCACTTCTTACACCACCGGTGAAACC  
GTCTATGCATGGAACGTTGCTCCGTCTAACTGGAACGCCGGTATGACTTACAAGA  
GTTACACCAATTTCCGCTGA

### Nucleotide

>BolEXPA-16

ATGGGTCCGATCTCAAGTTCTTGGAGCTTCAAAAAGTTCTTTGCAATAGTCTTTGT  
CGTTTTCGCCATCTCCGGTGAGTTTGTCGCCGGATATTACAGGCCGAGCCCGTGG  
AGATACGCTCATGCCACTTTCTATGGCGACGAGACCGGTAGTGAAACCATGGGTA  
CGTAAAATAAACATTTCACTATCATGTACATGTATATTCAATATAATCACCAAAA

TCAAATATGTTTTGATATTCATAAATTTCTTTATTTTATTTTCCTTATGTACAATT  
TTTCTCAAATAATTTTTGTTTTCAAATTTATTCCTCGTATAAATCCGTGATTACC  
TAGATAATAACAACAATTCATACATATAATCAATGACATAATACGTATATATGCA  
GGTGGTGCATGTGGATACGGAAACCTGTTTAAACAGTGGTTACGGCCTGAACACGG  
CGGCACTAAGCACGACGTTGTTCAAAGACGGTTACGCATGCGGCCAATGTTTCCA  
GATAATGTGTGTGCAGTCAAACATTGTTACTATGGAAACCCATCGACGGTGGTC  
ACAGCCACCAACCTCTGCCCTCCTAATTGGTACCAAGACACCAACAATGGTGGTT  
GGTGCAATCCTCCTAGAACCCATTTTCGATATGGCTAAACCGGCTTTCATGAAACT  
CGCTAACTGGAGGGCTGGCATCATCCCTGTTTCATACCGCAGGTATATCTCATTTT  
CGAAAATTTATATTTTCAGTTTTGACCTACTTTCTTATACAATATCTTACTATATG  
ACGACACTTGATATAAGTACTCCAAAAATTGTGTAGCTAATATTTTATTTTATGCG  
ACTTATTGATGTCTGTAGAGTCCCATGCAAAGGAGTGGCGGTATGAGGTTTCAA  
TTCCAAGGCAATGCGTATTGGCTTCTCATCTTTGTCATGAATGTCGGCGGCCCGG  
AGACATCAAGAGCATGGCCGTGAAAGGTAGCAGGACGAATTGGATAAGCATGAG  
CCACAACCTGGGGGGCCTCTTACCAAGCTTTTTCTTCTCTCTACGGTCAGTCTCTCT  
CTTTCCGGATCACTTCTTACACCACCGGTGAAACCGTCTATGCATGGAACGTTGCT  
CCGTCTAACTGGAACGCCGGTATGACTTACAAGAGTTACACCAATTTCCGCTGA