

## IDENTIFICATION

**Species:** *Brassica oleracea capitata*

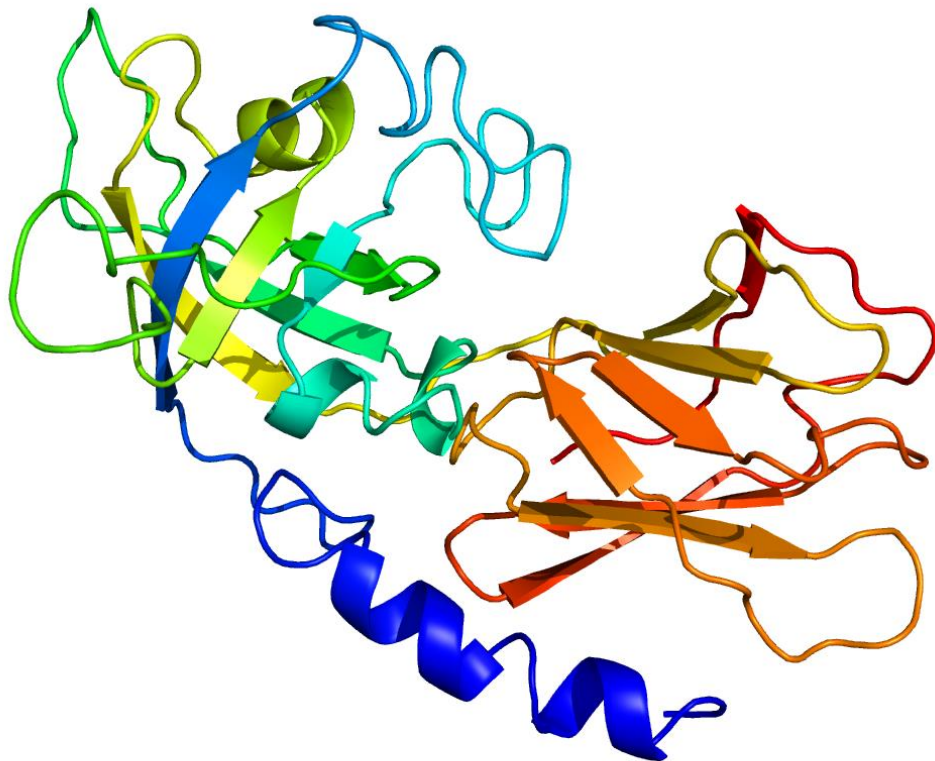
**Locus:** Bol004851

**Gene Model:** Bol004851

**Description:** BolEXPA-10

**Family:** Alpha Expansin

**3D structure:**



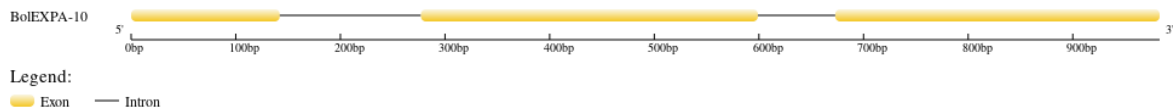
## GENOME DATABASES

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

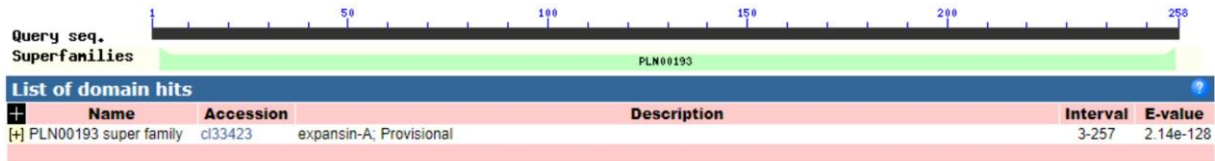
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>BolEXPA-10

MTNIFCFSILANFLLAMLCTNMIISVSAGWMQAHATFYGGSDASGTMGGACGYGDL  
YTDGYKTNTAALSTALFNDGKSCGGCYQMVC DATKVPQWCLKGKWITITATNFCPP  
NYALPNDDGGWCNPPRPHFDMAQPAFETIAIYRAGIVPVL YRKVGCRRSGGMRFTM  
NGRDYFELVLISNVGGAGDLSQVWIKGSKSNKWETMSRNWGANWQSLTYLNGQSL  
SFKIQASNGKIKTAIDVVPSYWQFGQSFKTNINF\*

### CDS (coding sequence)

>BolEXPA-10

ATGACGAACATCTTTTGTTTTTCGATCCTTGCCAACTTCCTGCTCGCAATGCTATG  
CACGAATATGATCATCTCTGTGTCTGCAGGCTGGATGCAAGCTCACGCAACCTTC  
TATGGCGGAAGTGATGCTTCTGGTACAATGGGTGGAGCATGTGGATATGGCGATC  
TCTACACCGATGGTTACAAAACAAACACGGCGGCGTTAAGCACTGCACTGTTCAA  
CGACGGCAAATCATGCGGAGGTTGTTACCAAATGGTGTGCGATGCGACCAAAGT  
GCCACAATGGTGTCTTAAAGGGAAATGGATAACAATCACAGCTACTAACTTCTGT  
CCTCCCAATTACGCTTACCAAACGATGATGGAGGTTGGTGCAATCCTCCAAGGC  
CTCACTTCGATATGGCTCAGCCTGCTTTTGAGACCATCGCCATTTACAGAGCCGG  
AATTGTCCCTGTTCTCTATAGAAAGGTTGGATGTAGAAGAAGCGGAGGTATGAGA  
TTCACCATGAACGGTAGAGATTACTTCGAGCTTGTTCATCTCAAACGTCGGAG  
GTGCAGGTGATCTGTCCCAAGTGTGGATCAAAGGCTCCAAGAGTAACAAGTGGG  
AAACAATGTCAAGAACTGGGGAGCTAATTGGCAAAGCCTTACTTACCTTAACGG  
ACAAAGTCTCTCTTTCAAATCCAAGCCAGTAACGGTAAGATAAAGACAGCAATC  
GACGTTGTTCTTCATACTGGCAGTTTGGTCAGAGCTTCAAGACCAACATTAACCT  
CTGA

### Nucleotide

>BolEXPA-10

ATGACGAACATCTTTTGTTTTTCGATCCTTGCCAACTTCCTGCTCGCAATGCTATG  
CACGAATATGATCATCTCTGTGTCTGCAGGCTGGATGCAAGCTCACGCAACCTTC  
TATGGCGGAAGTGATGCTTCTGGTACAATGGGTAGTTAATTTTCTTCTGTTTTA  
GGGTTTCTTTCTTCTTCCAAGAACTCTTCGAAGCTCTGACTTGTCTTTATATAT

GCAAGTAAATAATTAATCAATATCCGCTATAACTTTTTTTATAATCCGGTCAGGTG  
GAGCATGTGGATATGGCGATCTCTACACCGATGGTTACAAAACAAACACGGCGG  
CGTTAAGCACTGCACTGTTCAACGACGGCAAATCATGCGGAGGTTGTTACCAAAT  
GGTGTGCGATGCGACCAAAGTGCCACAATGGTGTCTTAAAGGGAAATGGATAAC  
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CATCGCCATTTACAGAGCCGGAATTGTCCCTGTTCTCTATAGAAAGTAACCAAAA  
ACAATCTAAGATCTCATTTC AATATTCATATACTTATGTGGTGCTAAGTTTCTTAT  
AACTGTAGGGTTGGATGTAGAAGAAGCGGAGGTATGAGATTCACCATGAACGGT  
AGAGATTACTTCGAGCTTGTTCTCATCTCAAACGTCGGAGGTGCAGGTGATCTGT  
CCCAAGTGTGGATCAAAGGCTCCAAGAGTAACAAGTGGGAAACAATGTCAAGAA  
ACTGGGGAGCTAATTGGCAAAGCCTTACTTACCTTAACGGACAAAGTCTCTCTTT  
CAAAATCCAAGCCAGTAACGGTAAGATAAAGACAGCAATCGACGTTGTTCCCTTCA  
TACTGGCAGTTTGGTCAGAGCTTCAAGACCAACATTA ACTTCTGA