

## IDENTIFICATION

**Species:** *Brassica oleracea capitata*

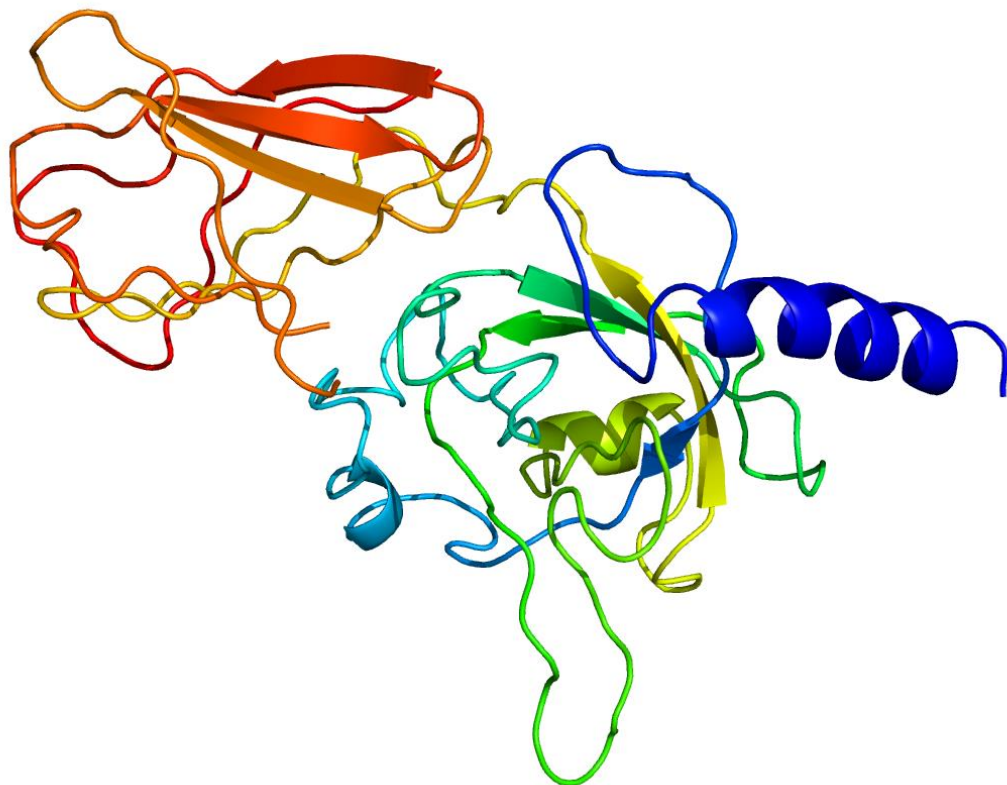
**Locus:** Bol007218

**Gene Model:** Bol007218

**Description:** BolEXPA-19

**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)

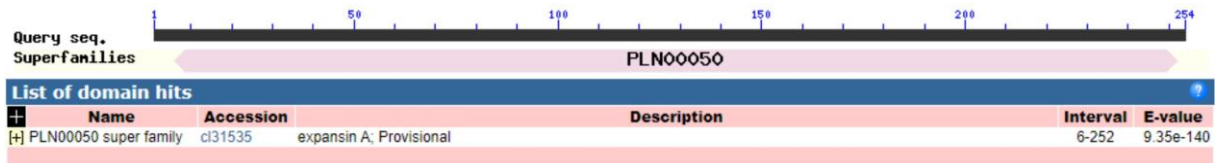
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>BolEXPA-19

MFMGKMSPLGIFLLGLAAMACSVHGYDAGWVNAHATFYGGSDASGTMGGACGYG  
NLYSQGYGTNTAALSTALFNGLSCGACFEIKCQSDGAWCLPGAIVVTATNFCPPNN  
ALPNTAGGWCNPLHHFDLSQPIFQRIAHYKAGVVPVSYRRVPCKRRGGIRFTINGHS  
YFNLVLVTNVGGAGDVRSVAVKGSRTNWQQMSRNWQNWQSNLLNGQALSFKV  
TASDGQTVVSNVAPASWSFGQTFTGRQFR\*

### CDS (coding sequence)

>BolEXPA-19

ATGTTTCATGGGAAAATGAGTCCTTTGGGGATTTTCCTGTTGGGTTTAGCTGCAAT  
GGCGTGCTCTGTTTCATGGATACGACGCTGGGTGGGTCAATGCTCATGCCACTTTCT  
ACGGTGGAAAGTGATGCTTCTGGAACAATGGGTGGCGCTTGTGGGTACGGGAATCT  
CTACAGTCAAGGCTACGGAACCAACACGGCGGCGTTAAGCACCGCACTGTTCAA  
CAACGGCCTTAGCTGCGGCGCGTGTTTCGAGATCAAGTGCCAGAGCGACGGCGC  
GTGGTGTTCACCGGTGCAATCGTGGTCACAGCGACCAACTTCTGCCCTCCCAAC  
AACGCTCTGCCTAATACCGCAGGTGGTTGGTGTAAACCCTCCGCTTACCATTTTGA  
TCTCTCTCAGCCTATCTTCCAACGCATTGCTCACTACAAAGCTGGTGTGTCCCTG  
TTTCTTACAGAAGGGTTCCGTGTAAGAGAAGGGGAGGTATAAGATTCACAATCAA  
CGGCCACTCTTACTTCAACCTTGTCTTGGTCACTAATGTCGGCGGCGCCGGAGAT  
GTTCGCTCTGTGGCGGTTAAAGGTTCAAGAACAACACTGGCAGCAGATGTCGAGG  
AACTGGGGACAAAACACTGGCAAAGCAACAATCTTCTTAATGGTCAAGCATTGTCCT  
TTAAGGTTACTGCTAGTGATGGTCAAACCGTTGTCTCCAACAACGTTGCTCCTGCT  
AGCTGGTCCTTCGGACAAACCTTACCAGCGTCAATTCCGTTAA

### Nucleotide

>BolEXPA-19

ATGTTTCATGTACACATCTCTCTCTCTCTTTAATTCTAACTGTTTTCGTTACTT  
CTTGCTAGTAAATGTCTTGTACTAATTTTGCTTGATATTTAAACAACACTGCAGGGGA  
AAAATGAGTCCTTTGGGGATTTTCCTGTTGGGTTTAGCTGCAATGGCGTGCTCTGT  
TCATGGATACGACGCTGGGTGGGTCAATGCTCATGCCACTTTCTACGGTGGAAAGT

GATGCTTCTGGAACAATGGGTATGTTTCAACTTTCAACAACCTTTAAAGAATACA  
TTGAATATGTTTTGATGAAATGCCTCACCATTTCTTGTCTCTAGGTGGCGCTTGT  
GGGTACGGGAATCTCTACAGTCAAGGCTACGGAACCAACACGGCGGCGTTAAGC  
ACCGCACTGTTCAACAACGGCCTTAGCTGCGGGCGCGTGTTCGAGATCAAGTGCC  
AGAGCGACGGCGCGTGGTGTTCACCCGGTGCAATCGTGGTCACAGCGACCAACTT  
CTGCCCTCCCAACAACGCTCTGCCTAATACCGCAGGTGGTTGGTGTAAACCCTCCG  
CTTCACCATTTTGATCTCTCTCAGCCTATCTTCCAACGCATTGCTCACTACAAAGC  
TGGTGTGTCCCTGTTTCTTACAGAAGGTAAACACACGCTTTCTTTTAAACGATTG  
TAAAGTTTCCGTCTTTATGTACAATTTTTTTTTTAATTTTGTGTCAATTTTATTTATA  
GGGTCCCGTGTAAGAGAAGGGGAGGTATAAGATTCACAATCAACGGCCACTCTT  
ACTTCAACCTTGTCTTGGTCACTAATGTCGGCGGCGCCGGAGATGTTGCTCTGTG  
GCGGTTAAAGGTTCAAGAACAACCTGGCAGCAGATGTCGAGGAACTGGGGACAA  
AACTGGCAAAGCAACAATCTTCTTAATGGTCAAGCATTGTCCTTTAAGGTTACTG  
CTAGTGATGGTCAAACCGTTGTCTCCAACAACGTTGCTCCTGCTAGCTGGTCCTTC  
GGACAAACCTTCACCGGCCGTCAATTCCGTTAA