

## IDENTIFICATION

**Species:** *Brassica oleracea capitata*

**Locus:** Bol012822

**Gene Model:** Bol012822

**Description:** BolEXPA-01

**Family:** Alpha Expansin

**3D structure:**



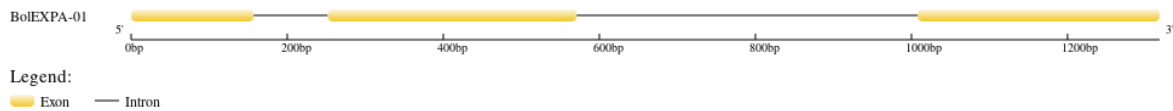
## GENOME DATABASES

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

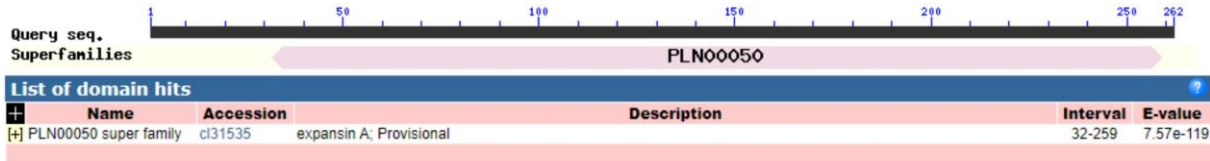
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>BolEXPA-01

MAAKVMTVMAVMVVAALTTTTVNARIPGVYTGGPWVNAHATFYGEADASGTMG  
GACGYGNLYSQGYGVNTAALSTALFNGLSCGACFELKCVNDPGWCLPGNPSILITA  
TNFCPPNFAQASDNGGWCNPPREHFDLAMPFLTIKRYRAGIVPVSYRRVPCRKKGG  
MRFTINGSKYFNLVLVTNVAGAGNVQMVSVKGSNTGWLGLSRNWGQNWQSNAILV  
GQSLSFVKTSDGRSSTSNNIVPSNWQFGQTFSGKNFRV\*

### CDS (coding sequence)

>BolEXPA-01

ATGGCGGCGAAAGTAATGACTGTAATGGCGGTGATGGTGGTTGCTGCTCTAACGA  
CAACCACAGTAAACGCCAGGATCCCCGGAGTTTACACCGGAGGTCCCTGGGTCA  
ACGCTCACGCCACCTTCTACGGTGAAGCTGATGCTTCAGGAAGTATGGGTGGTGC  
GTGCGGGTACGGGAATTTATATAGCCAAGGTTACGGTGTGAACACGGCGGCTTTA  
AGCACGGCCTTGTTCAACAACGGTTTGAGCTGTGGTGCTTGCTTTGAGCTCAAGT  
GTGTCAATGATCCAGGCTGGTGTCTTCCCGGGAACCCATCGATCCTTATCACGGC  
TACTAATTTCTGTCCACCTAACTTTGCTCAAGCTAGCGACAATGGTGGTTGGTGTA  
ACCCTCCTCGTGAGCACTTTGATCTCGCCATGCCTATGTTTTTAACCATCGCTAAG  
TATAGGGCCGGTATCGTCCCCGTTTCTTACCGCAGGGTTCATGTAGGAAGAAGG  
GAGGTATGAGATTCACGATCAATGGATCCAAGTACTTCAACTTGGTGCTAGTCAC  
TAACGTAGCCGGAGCCGGAACGTCCAGATGGTTAGTGTTAAAGGAAGCAACAC  
AGGTTGGTTAGGTCTTAGCCGCAACTGGGGACAAAACCTGGCAATCAAACGCAATT  
CTGGTCGGCCAATCTCTTTCTTTCCGAGTCAAACCTCCGATGGTAGAAGCTCCAC  
CTCCAACAACATCGTTCGAGTAATTGGCAATTTGGTCAGACTTTCTCCGGCAAG  
AACTTCCGCGTCTGA

### Nucleotide

>BolEXPA-01

ATGGCGGCGAAAGTAATGACTGTAATGGCGGTGATGGTGGTTGCTGCTCTAACGA  
CAACCACAGTAAACGCCAGGATCCCCGGAGTTTACACCGGAGGTCCCTGGGTCA  
ACGCTCACGCCACCTTCTACGGTGAAGCTGATGCTTCAGGAAGTATGGGTACACA  
CCCTTTAAACAAAACCTTTATTTAAAGTCAAGTTCCTGAACACACTATGCAATGAA

TAAACACTTAACTAACGGTTTGTATTGTTACAGGTGGTGCGTGCGGGTACGGGAA  
TTTATATAGCCAAGGTTACGGTGTGAACACGGCGGCTTTAAGCACGGCCTTGTT  
AACACGGTTTGTAGCTGTGGTGCTTGCTTTGAGCTCAAGTGTGTCAATGATCCAG  
GCTGGTGTCTTCCCGGGAACCCATCGATCCTTATCACGGCTACTAATTTCTGTCCA  
CCTAACTTTGCTCAAGCTAGCGACAATGGTGGTTGGTGTAAACCCTCCTCGTGAGC  
ACTTTGATCTCGCCATGCCTATGTTTTTAACCATCGCTAAGTATAGGGCCGGTATC  
GTCCCCGTTTCTTACCGCAGGTAAAATTCTTCATACCTCACTAGTCCAGTCTGTT  
TTATATCTCATTCTCTTAATCATAAAAATGACGTAAAAAATACTGCGTCCGGGTA  
AAATCCCGAGGGCGGTTTCAGTAATTTACACGTCTCAATCCATGAGATTCGGGGAC  
ATTTTCTTTTGCATTGAAGTCAGCTAAGTTCGACACTTCTTCACTTTACCCATA  
CATTTGCCGGGTCATCGACATAACCCAAAATCGACCAGGGTCATCAAAAAACATA  
CTATAAACTCACTCCCTTTCATGACGTTACGTAAAATTATTATAATATTCTATCTA  
GTTTATTAATTTGTTTTAAATATGATATCAACGTAAAAGACATCAATCTAAGCTAA  
AGAGTTTCATTGAGTATACATTTTCAGACATAACTAATTGCCATATATATTTTTTG  
GGGTGTTGCAGGGTTCATGTAGGAAGAAGGGAGGTATGAGATTCACGATCAAT  
GGATCCAAGTACTTCAACTTGGTGCTAGTCACTAACGTAGCCGGAGCCGGAAACG  
TCCAGATGGTTAGTGTTAAAGGAAGCAACACAGGTTGGTTAGGTCTTAGCCGCAA  
CTGGGGACAAAACCTGGCAATCAAACGCAATTCTGGTCGGCCAATCTTTTCTTTC  
CGAGTCAAAACCTCCGATGGTAGAAGCTCCACCTCCAACAACATCGTTCCGAGTA  
ATTGGCAATTTGGTTCAGACTTTCTCCGGCAAGAACTTCCGCGTCTGA