

## IDENTIFICATION

**Species:** *Brassica oleracea capitata*

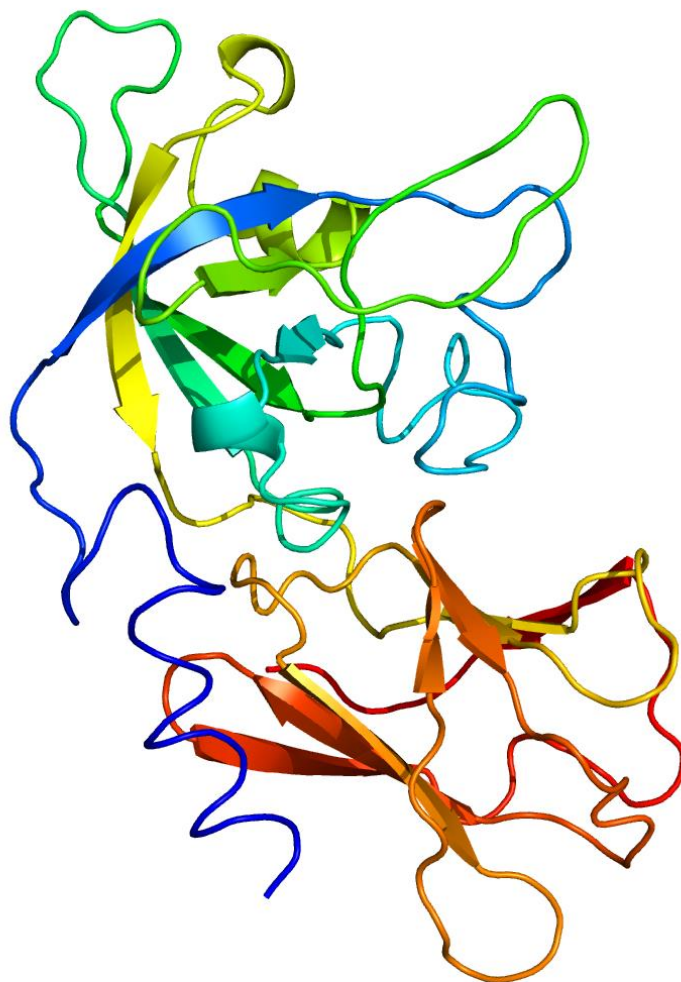
**Locus:** Bol023607

**Gene Model:** Bol023607

**Description:** BolEXPA-22

**Family:** Alpha Expansin

**3D structure:**



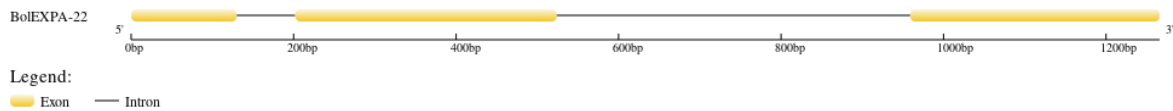
## GENOME DATABASES

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

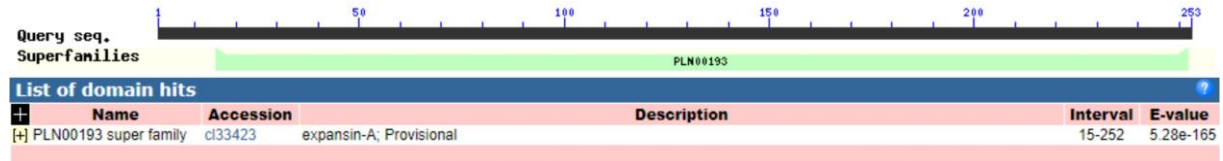
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>BolEXPA-22

MAKSLAGVALLAALFITVDAFRPSGLTNGHATFYGGSDASGTMGGACGYGDLYSAG  
YGTMTAALSTALFNNGASCGEYRITCDYAADSRWCKKGASVVITATNFCPPNFALP  
SNNGGWCNPLKHFDMAQPAWEKIGIYRGGIVPVVFQRVSCYKRGGVFRINGRDY  
FELVNISNVGGAGSIKSVSIKGSKTGWLAMSRNWGANWQSNAYLDGQISISFSITTTD  
GATR VFLNVVPSSWSFGQTYSSRVQF\*

### CDS (coding sequence)

>BolEXPA-22

ATGGCAAAGTCTCTAGCTGGAGTGGCGCTTTTAGCCGCTCTTTTTATAACGGTTGA  
TGCGTTTAGGCCTTCTGGTTTAACCAACGGTCACGCCACATTCTATGGAGGGAGT  
GACGCTTCAGGAACAATGGGCGGAGCTTGTGGGTACGGAGATCTCTACTCGGCG  
GGGTATGGGACAATGACGGCGGCGTTAAGCACGGCTCTTTTAACAACGGAGCTT  
CGTGTGGAGAATGCTATAGGATAACGTGTGATTACGCCGCGGACTCGAGGTGGTG  
CAAGAAAGGAGCTTCGGTTGTTATTACAGCAACTAATTCTGCCACCAAACCTTT  
GCTCTACCGAGCAACAACGGTGGTTGGTGCAATCCGCCGCTAAAACATTTTCGACA  
TGGCACAACCTGCTTGGGAAAAGATCGGGATTTACAGAGGCGGGATTGTTCCCGT  
CGTTTTCCAAAGAGTAAGCTGTTATAAGAGAGGAGGAGTGAGATTCAGAATAAA  
CGGAAGGGATTACTTCGAGCTAGTGAACATATCGAACGTAGGAGGAGCTGGTTC  
CATTAAATCTGTATCCATTAAGGATCAAAGACTGGTTGGTTAGCCATGTCTCGC  
AACTGGGGAGCTAACTGGCAATCAAACGCTTATCTCGATGGTCAATCTATCTCTT  
TCTCAATTACCACTACTGATGGTGCTACAAGAGTCTTCCTAAATGTTGTTCCCTTCT  
TCTTGGTCCTTTGGACAGACTTATTCTTCCAGGGTTCAGTTTTAA

### Nucleotide

>BolEXPA-22

ATGGCAAAGTCTCTAGCTGGAGTGGCGCTTTTAGCCGCTCTTTTTATAACGGTTGA  
TGCGTTTAGGCCTTCTGGTTTAACCAACGGTCACGCCACATTCTATGGAGGGAGT  
GACGCTTCAGGAACAATGGGTAATTTTAACAATTTTATTTGTCTTTTTTTAAATG  
ATGTAACAAAACCTGATAGGTTTTGTCTATTCAGGCGGAGCTTGTGGGTACGGA

GATCTCTACTCGGCGGGGTATGGGACAATGACGGCGGCGTTAAGCACGGCTCTCT  
TTAACAACGGAGCTTCGTGTGGAGAATGCTATAGGATAACGTGTGATTACGCCGC  
GGACTCGAGGTGGTGCAAGAAAGGAGCTTCGGTTGTTATTACAGCAACTAACTTC  
TGCCCACCAAACCTTTGCTCTACCGAGCAACAACGGTGGTTGGTGCAATCCGCCGC  
TAAACATTTTCGACATGGCACAACCTGCTTGGGAAAAGATCGGGATTTACAGAG  
GCGGGATTGTTCCCGTCGTTTTCCAAAGGTTAGTTGCTAAAAGAAGATTAATATA  
TGTAATGAACCCACTAAGTTTCTATCTGATCATTTTAAACCTTAAATTAGCATAG  
TTTACGAAAACATGGTTATAATGTAACTACATAACATGTGTTAGTTGATACGTAT  
TAACCATATAATTAATGTAACCTAATGATACATTAATATTTTTAGATGTGTTATTAT  
GTGATAGTTTTATAGTTCGCGTAGATATCAATCATTTTTTTCATCATAAAAAGTTCT  
CCAAATTCCAAATTGAAATAACAGATCAGTAGTTGTTGAATCCGGATTTAAACAT  
AGAGAAAAATAGTGATGGATTTTAAAATGAGAGAGATAAAAAGAAAGTTAAAAGG  
TTTGTTTTTTTTTAGTTTTCTTAAAAATTTCTAACTGAAATGTCTCTGTTTTTATTTTT  
GGTCATGTAAAAAACAGAGTAAGCTGTTATAAGAGAGGAGGAGTGAGATTCAGA  
ATAAACGGAAGGGATTACTTCGAGCTAGTGAACATATCGAACGTAGGAGGAGCT  
GGTTCATTAATCTGTATCCATTAAGGATCAAAGACTGGTTGGTTAGCCATGT  
CTCGCAACTGGGGAGCTAACTGGCAATCAAACGCTTATCTCGATGGTCAATCTAT  
CTCTTTCTCAATTACCACTACTGATGGTGCTACAAGAGTCTTCCTAAATGTTGTT  
CTTCTTCTGGTCCTTTGGACAGACTTATTCTTCCAGGGTTCAGTTTTAA