

## IDENTIFICATION

**Species:** *Brassica oleracea capitata*

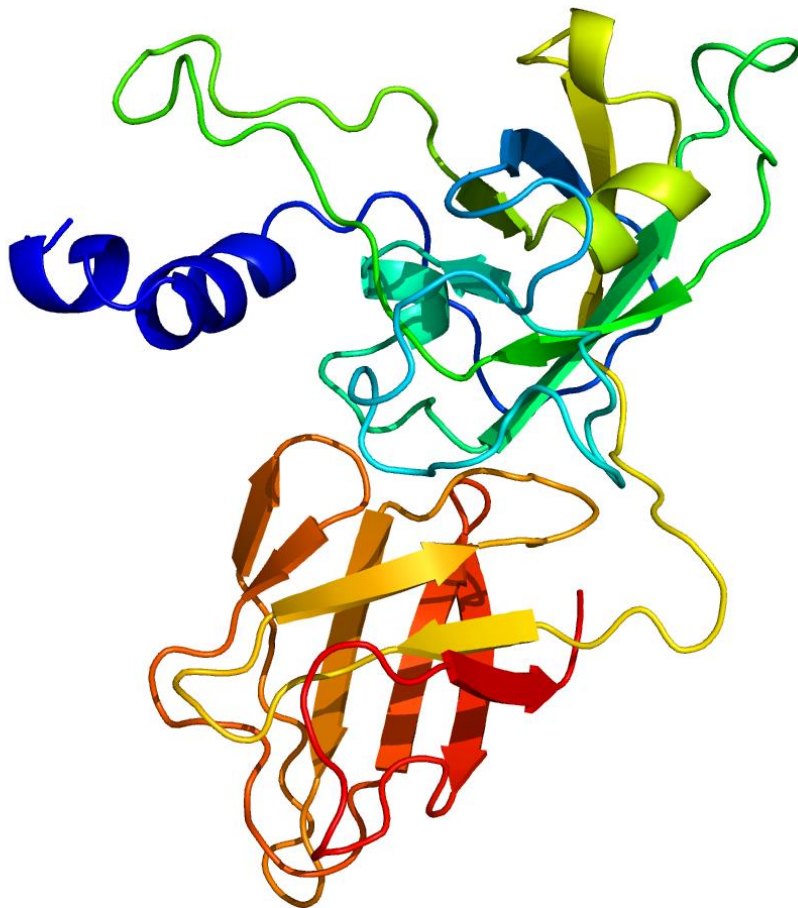
**Locus:** Bol044044

**Gene Model:** Bol044044

**Description:** BolEXPA-25

**Family:** Alpha Expansin

**3D structure:**



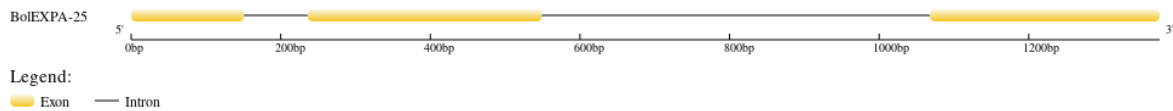
## GENOME DATABASES

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

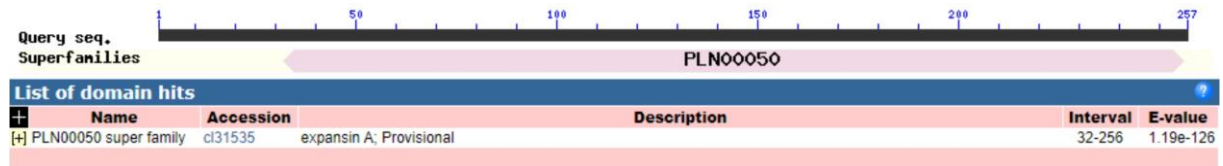
## EXTERNAL RESOURCES

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

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>BolEXPA-25

MMNLTKISHVLVISLCTLTFCFCRINSYDNGGWERGHATFYGGADASGTMGGACGY  
GNLYSQGYGLQTAALSTALFRSGQRCGACFELRCVDDPQWCLAGSIIVSATNFCPPN  
YALANDNGGWCNPLQHFDLAQPFLQIAQYRAGIVPVAFRRVPCPKGGIRFTING  
NSYFDLVLITNVGGAGDVMAVALKGSKTNKWQSMSRNWQNWQSNLYLRGQSLSF  
QVTTSDGRSVVSYDVVPRDWQFGQTFEGGQF\*

### CDS (coding sequence)

>BolEXPA-25

ATGATGAATCTCACAAAATTTCTCATGTTTTAGTTATTTCACTATGCACCCTCAC  
CTTCTGCTTCTGCCGGATAAACTCCTACGACAACGGGGGCTGGGAGAGAGGCCAC  
GCCACTTTCTACGGCGGAGCTGATGCATCCGGCACAAATGGGAGGTGCGTGTGGGT  
ACGGTAACTTATACAGCCAAGGCTACGGACTGCAAACCGCGGCGCTGAGCACGG  
CTTTGTTTCAGAAGCGGTCAGAGGTGTGGTGCTTGTTTTGAACACTCGTTGTGTGGAC  
GATCCTCAGTGGTGCCTCGCTGGTTCATCATCGTCTCGGCTACAACTTCTGTCC  
ACCAAATATGCCTTAGCCAACGATAATGGTGGTTGGTGCAACCCTCCCCTTCAG  
CACTTTGACTTGCCCCAGCCTGCCTTTCTCCAGATCGCTCAGTACCGAGCTGGGAT  
CGTTCCTCGTCATTTCAGAAGGGTTCATGTGAGAAACCTGGAGGGATAAGGTTT  
ACTATAAACGGGAACCTCGTACTTTGATCTGGTGCTGATCACAAACGTGGGTGGTG  
CTGGAGATGTTATGGCCGTAGCCCTGAAAGGATCAAAGACTAATAAGTGGCAAT  
CCATGTCGAGAACTGGGGACAAAATTGGCAAAGCAACAGTTACCTCAGAGGTC  
AAAGCCTCTCTTTTCAAGTCACTACGAGCGATGGCCGGAGTGTTGTGAGCTACGA  
TGTTGTCCCTAGGGATTGGCAGTTCGGTCAAACCTTTTGAAGGAGGACAATTCTAA

### Nucleotide

>BolEXPA-25

ATGATGAATCTCACAAAATTTCTCATGTTTTAGTTATTTCACTATGCACCCTCAC  
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TCACCAATTAATCACAAATGGATGCTTTTAAAGATATTACAATAAACATTATAAGT

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CCATCATCGTCTCGGCTACAAACTTCTGTCCACCAAACCTATGCCTTAGCCAACGAT  
AATGGTGGTTGGTGCAACCCTCCCCTTCAGCACTTTGACTTGGCCCAGCCTGCCTT  
TCTCCAGATCGCTCAGTACCGAGCTGGGATCGTTCCCGTCGCATT CAGAAGGTAA  
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CATCGGCGGGATGGGAAGGAGATGGGAAGAGTATGTAACCCAAAAAGAAATAA  
CAAAAATATTCAAAAAGTAGGAGAGAAGGATGTCAAAGGTTCTGCAAACCCAATC  
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GAGATGTTATGGCCGTAGCCCTGAAAGGATCAAAGACTAATAAGTGGCAATCCA  
TGTCGAGAAACTGGGGACAAAATTGGCAAAGCAACAGTTACCTCAGAGGTCAA  
GCCTCTCTTTTCAAGTCACTACGAGCGATGGCCGGAGTGTTGTGAGCTACGATGT  
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