

IDENTIFICATION

Species: *Brassica oleracea capitata*

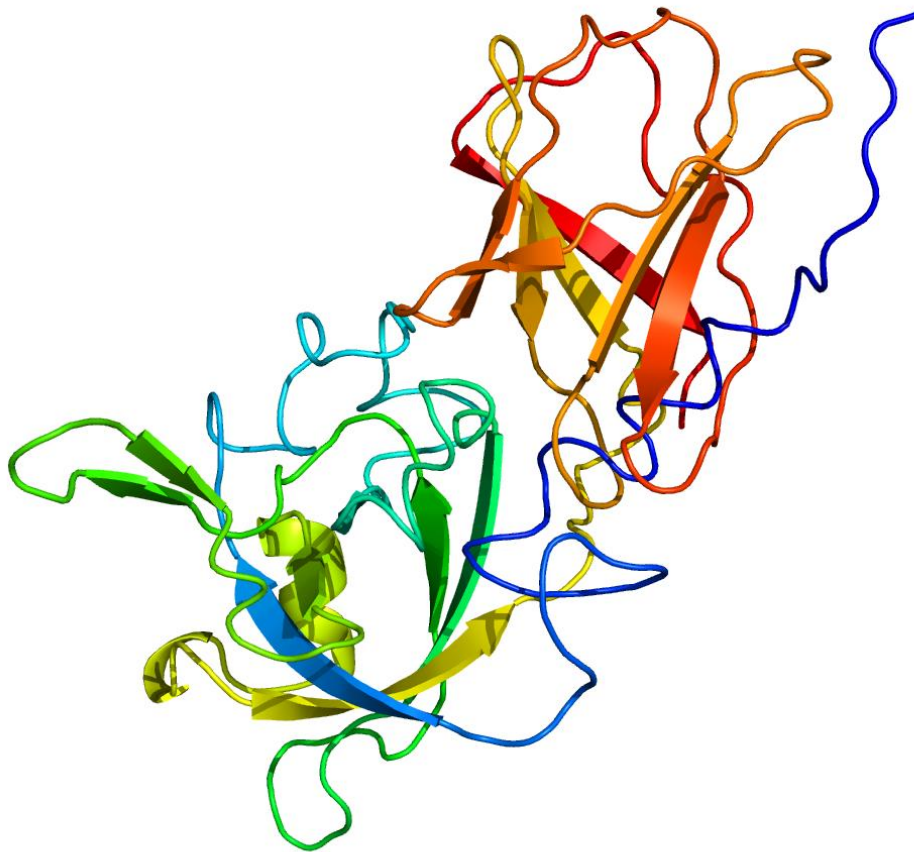
Locus: Bol005114

Gene Model: Bol005114

Description: BolEXPA-15

Family: Alpha Expansin

3D structure:



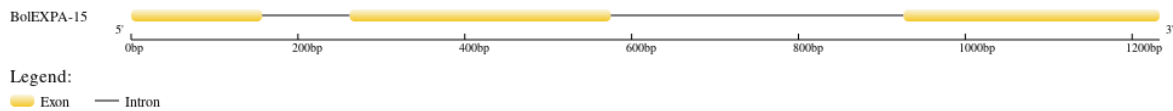
GENOME DATABASES

Phytozome: https://phytozome-next.jgi.doe.gov/info/Boleraceacapitata_v1_0

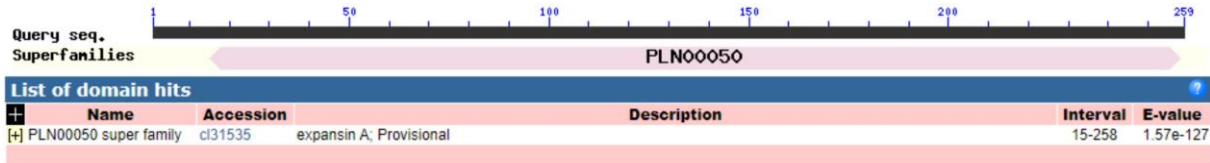
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BolEXPA-15

MSIITSNSKYSMISILSIFSLFLSLQGTHGDYGGWQSGHATFYGGGDASGTMCGACGY
GNLYSQGYGTNTAALSTALFNGLTCGACYEMKCNDDPRWCLGSTITVTATNFCPP
NLGLSNDNGGWCNPPLQHFDLAEP AFLQIAQYRAGILPVSFRRVPCMKKGGIRFTING
HSYFNLVLISNVGGAGDVHAASISGSKTGSWQAMSRNWGQNWQSN SYLNGQSLSFQ
VTTSDGRTVVSNNVAPPNWQFGQTFQGGQF*

CDS (coding sequence)

>BolEXPA-15

ATGTCTATTATAACATCAAAC TCCAAATATTCTATGATCTCAATATTATCCATATT
CAGTTTATTATTCTCCCTTCAAGGAACTCATGGAGACTACGGAGGTTGGCAAAGT
GGTCACGCCACGTTCTACGGTGGCGGAGACGCTTCCGGCACCATGTGTGGAGCTT
GTGGCTATGGGAATCTGTATAGCCAAGGTTACGGGACGAACACCGCGGCTTTAAG
TACGGCTCTGTTCAACAACG GACTCACATGCGGTGCGTGCTACGAGATGAAGTGC
AACGATGACCCGCGATGGTGTCTCGGTTCCACTATCACCGTCACGGCTACAAACT
TTTGTCCACCGAACTTGGGTCTCTCCAACGACAACGGTGGGTGGTGCAATCCTCC
TCTTCAACATTTTCGACCTAGCCGAGCCAGCTTTTCTCCAAATCGCTCAGTATCGTG
CAGGCATTCTCCCTGTCTCTTTCCGAAGAGTACCGTGTATGAAGAAAGGAGGGAT
AAGGTTTACGATCAACGGACACTCGTACTTCAACCTTGTCTGATCTCGAACGTA
GGAGGAGCAGGAGACGTCCATGCCGCTCGATCAGTGGCTCAAAAACAGGCTCC
TGGCAAGCAATGTCTAGAAACTGGGGCCAAAAC TGGCAGAGCAATTCTTACCTCA
ACGGTCAGAGCCTCTCGTTCCAGGTCACCACCAGCGATGGTCGGACCGTCGTTAG
CAATAACGTGGCTCCTCCTAATTGGCAGTTCGGACAAACCTTCCAAGGCGGTCAG
TTCTGA

Nucleotide

>BolEXPA-15

ATGTCTATTATAACATCAAAC TCCAAATATTCTATGATCTCAATATTATCCATATT
CAGTTTATTATTCTCCCTTCAAGGAACTCATGGAGACTACGGAGGTTGGCAAAGT
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TGACCCGCGATGGTGTCTCGGTTCCACTATCACCGTCACGGCTACAACTTTTGTG
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ACATTTGACCTAGCCGAGCCAGCTTTTCTCCAATCGCTCAGTATCGTGCAAGC
ATTCTCCCTGTCTCTTTCCGAAGGTCCGTTTTACTTGTCTTAATGCTTGGAACGCA
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TTTCACTTGTCTAGGCCAAGGGTTCTGTCCAGACACAAGCTTGTCTTACCTTTGC
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CTAAACTAAAGAGTTAAGATATGTTGTTGTGTAAACGCAGAGTACCGTGTATGAA
GAAAGGAGGGATAAGGTTTACGATCAACGGACACTCGTACTTCAACCTTGTCTG
ATCTCGAACGTAGGAGGAGCAGGAGACGTCCATGCCGCCTCGATCAGTGGCTCA
AAAACAGGCTCCTGGCAAGCAATGTCTAGAACTGGGGCCAAAACCTGGCAGAGC
AATTCTTACCTCAACGGTCAGAGCCTCTCGTTCCAGGTCACCACCAGCGATGGTC
GGACCGTCGTTAGCAATAACGTGGCTCCTCCTAATTGGCAGTTCGGACAAACCTT
CCAAGGCGGTCAGTTCTGA