

IDENTIFICATION

Species: *Brassica oleracea capitata*

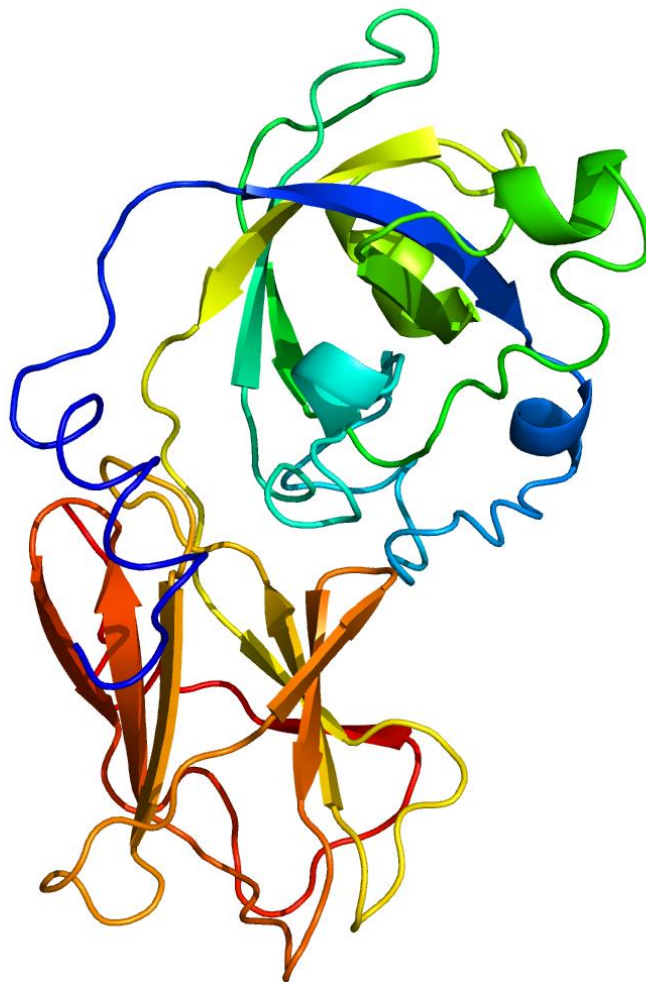
Locus: Bol043027

Gene Model: Bol043027

Description: BolEXPA-21

Family: Alpha Expansin

3D structure:



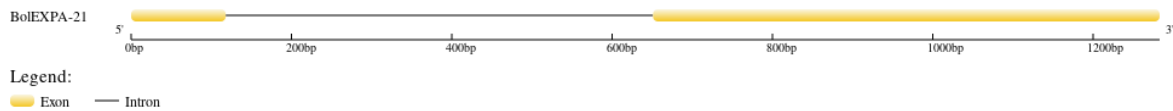
GENOME DATABASES

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

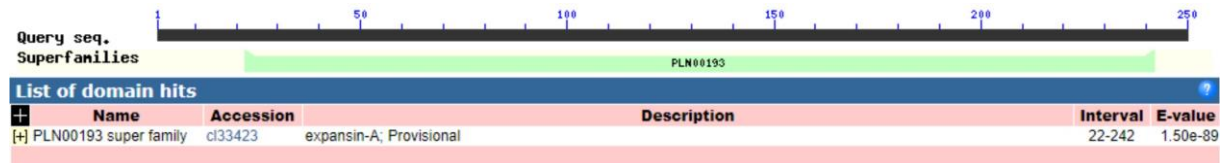
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BolEXPA-21

MNLALAFVLLAILVSVADAEWDDAHATFYGDINGGETMQGACGYGNLFQEGYGL
ETAALSTALFNNGKTCGACFELVCANSRWCKPNAGSITVTATNFCPPNYSPLNTRW
CNPPNKHFDLSMKMFISIAEYSGGIVPVKFRRVKCQTRGGVRFKGNPYFIMVLVYN
VGGAGDVTNVAIRGNNSPWIPMQRNWGQNWNTGVRLVGQRLSFLVQTS DGMSMTF
VDVASENWGFGQTFEASRATLNFH*

CDS (coding sequence)

>BolEXPA-21

ATGAATCTAGCATTGGCCTTTGCGGTGTTACTCGCAATTCTTGTGTCGGTGGCTGA
CGCTGAGTGGGACGACGCTCACGCTACGTTTTACGGCGACATTAACGGCGGGGA
AACCATGCAAGGAGCATGTGGTTACGGAAATCTATCCAAGAAGGTTATGGGTTA
GAAACGGCCGCGCTAAGCACGGCGCTCTTCAACAACGGCAAGACATGCGGCGCT
TGTTTCGAGCTCGTATGTGCAAACTCACGATGGTGCAAACCAAACGCCGGCTCCA
TCACAGTCACAGCAACTAATTTCTGCCACCCAATTACTCCCACCGCTTAATACA
CGTTGGTGCAACCCTCCAAACAAGCACTTCGATCTATCGATGAAAATGTTCATTT
CCATCGCCGAGTACAGCGGAGGGATAGTTCCTGTGAAGTTCGGCGAGTGAAGT
GTCAGACGAGAGGGCGGTGTGAGGTTTGAGATCAAGGGGAATCCTTATTTTCATCAT
GGTTTTGGTGTATAACGTTGGAGGTGCAGGAGATGTAATAATGTGGCCATTAGA
GGGAATAATAGTCCATGGATCCCTATGCAGAGGAACTGGGGACAAAACCTGGAAT
ACTGGTGTGCGTTTGGTGGGACAAAGACTCTCGTTTTTGGTCCAAACCAGTGATG
GTATGAGCATGACGTTTCGTTGATGTGGCGTCAGAGAATTGGGGGTTTCGGTCAAAC
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Nucleotide

>BolEXPA-21

ATGAATCTAGCATTGGCCTTTGCGGTGTTACTCGCAATTCTTGTGTCGGTGGCTGA
CGCTGAGTGGGACGACGCTCACGCTACGTTTTACGGCGACATTAACGGCGGGGA
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AAATATGTAATCATTTGCATTCATAATCGAATCTTGTAACCTCAATGGAGTTTTATA
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ACGGAAATCTATTCCAAGAAGGTTATGGGTTAGAAACGGCCGCGCTAAGCACGG
CGCTCTTCAACAACGGCAAGACATGCGGCGCTTGTTTTCGAGCTCGTATGTGCAAA
CTCACGATGGTGCAAACCAAACGCCGGCTCCATCACAGTCACAGCAACTAATTTTC
TGCCCAACCAATTACTCCCCACCGCTTAATACACGTTGGTGCAACCCTCCAAACA
AGCACTTCGATCTATCGATGAAAATGTTTCAATTTCCATCGCCGAGTACAGCGGAGG
GATAGTTCCTGTGAAGTTCCGGCGAGTGAAGTGTGACGAGAGGGCGGTGTGAG
GTTTGAGATCAAGGGGAATCCTTATTTTCATCATGGTTTTGGTGTATAACGTTGGAG
GTGCAGGAGATGTAACCTAATGTGGCCATTAGAGGGAATAATAGTCCATGGATCCC
TATGCAGAGGAACTGGGGACAAAACCTGGAATACTGGTGTGCGTTTTGGTGGGACA
AAGACTCTCGTTTTTGGTCCAAACCAGTGATGGTATGAGCATGACGTTTCGTTGAT
GTGGCGTCAGAGAATTGGGGGTTCCGGTCAAACCTTTTGAAGCAAGTCGAGCAACAT
TAAACTTTCATTAG