

IDENTIFICATION

Species: *Brassica oleracea capitata*

Locus: Bol011149

Gene Model: Bol011149

Description: BolEXPA-17

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

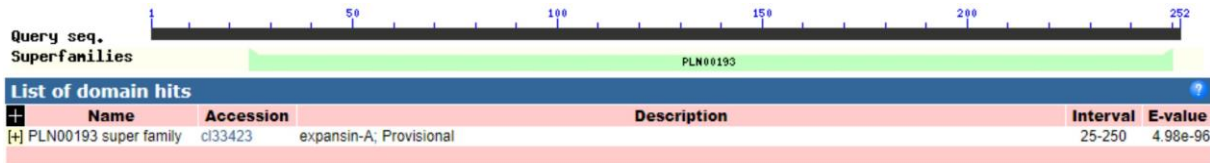
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BolEXPA-17

MEMKGKYLVTAILLVGTLVGMCSNGWIRAHATYYGVNDSPASLGGACGYDNPYH
AGFGAHTAALSGALFRNGESCGGCYQVRCDYWADPKWCLRGA AVTVTATNFCPSN
NNGGWCNLP RHFDMSMPAFFRIARRGNEGIVPVFYRRVGCKRRGGV RFTMRGQG
NFMVILSNVGGSGALKAVAVRGSRGKTWVQMTRN WGANWQSSGDLRGQRLSFR
VTLLDRKTM TFLNVVPSWWFGQTFSGRQQFL*

CDS (coding sequence)

>BolEXPA-17

ATGGA AATGAAGGGAAAATATTTGGTTACGGCTATTTTATTGGTGGGTACGTTAA
GTGTGGGGATGTGTTCCAATGGTTGGATTAGGGCGCATGCAACGTATTATGGTGT
TAATGATAGCCCTGCTTCACTTGGAGGAGCTTGTGGGTATGACAATCCATACCAC
GCTGGATTTCGGAGCCATACAGCGGCGCTAAGCGGTGCGCTATTCAGAAACGGC
GAGTCGTGCGGTGGTTGCTACCAAGTGAGGTGCGACTATTGGGCGGATCCTAAGT
GGTGTCTCCGAGGAGCCGCTGTGACGGTGACGGCTACAACTTCTGTCCGTCGAA
CAACAATGGAGGTTGGTGCAATCTCCCTCGCCACCACTTTGACATGTCCATGCC
GCTTTCTTCCGCATAGCTCGCCGCGCAACGAAGGCATCGTCCCCGTCTTCTACCG
CCGAGTTGGATGCAAAAGAAGAGGAGGTGTGAGGTTACGATGAGAGGCCAAGG
GAACTTCAACATGGTAATACTCTCAAACGTTGGCGGCAGCGGCGCGCTGAAAGC
GGTTGCGGTGAGAGGATCAAGGGGAAAGACTTGGGTTTCAGATGACTCGTAATTG
GGGTGCCAACTGGCAGAGCTCCGGCGATCTCCGTGGACAGAGACTCTCCTTCAGA
GTTACTCTTCTTGACCGCAAGACGATGACGTTTCTAAACGTTGTTCTTCTTCTTG
GTGGTTCGGCCAAACCTTCTCTGGTCGAGGCCAGTTCCTCTGA

Nucleotide

>BolEXPA-17

ATGGA AATGAAGGGAAAATATTTGGTTACGGCTATTTTATTGGTGGGTACGTTAA
GTGTGGGGATGTGTTCCAATGGTTGGATTAGGGCGCATGCAACGTATTATGGTGT
TAATGATAGCCCTGCTTCACTTGGTAAAGAGTCCATTATATACCATAGTTTTAATA
CTTTTGTGGTTACTTTTTGTTTTGTATATCAAAGCCTTTTCTTCTAAACAACCTC
ATTTTCGATGTATAGGAGGAGCTTGTGGGTATGACAATCCATACCACGCTGGATTC

GGAGCCCATACAGCGGCGCTAAGCGGTGCGCTATTCAGAAACGGCGAGTCGTGC
GGTGGTTGCTACCAAGTGAGGTGCGACTATTGGGCGGATCCTAAGTGGTGTCTCC
GAGGAGCCGCTGTGACGGTGACGGCTACAACTTCTGTCCGTCGAACAACAATG
GAGGTTGGTGCAATCTCCCTCGCCACCCTTTGACATGTCCATGCCCGCTTTCTTC
CGCATAGCTCGCCGCGGCAACGAAGGCATCGTCCCCGTCTTCTACCGCCGGTAAC
ATATTTTGTTCATTTTCGCTTTGAGTTTTTTTTTTTTTAAATAATAAAAATTATTAATGT
TTTATAAATTAGAATGCTGTGTTTGTATTTAAATATCAAATAATATTCACAACATA
TAAAACGTAAACAATATAGCATCATGTAATATATTATATGTCTAATAATTTATCA
ACATATATCTTAATGATTTTATTCTTTTATTACAATTATTATAGAGTTGGATGCAA
AAGAAGAGGAGGTGTGAGGTTACGATGAGAGGCCAAGGGAACCTCAACATGGT
AATACTCTCAAACGTTGGCGGCAGCGGCGCGCTGAAAGCGGTTGCGGTGAGAGG
ATCAAGGGGAAAGACTTGGGTTACAGATGACTCGTAATTGGGGTGCCAACTGGCA
GAGCTCCGGCGATCTCCGTGGACAGAGACTCTCCTTCAGAGTTACTCTTCTTGACC
GCAAGACGATGACGTTTCTAAACGTTGTTTCCTTCTTCTTGGTGGTTCGGCCAAACC
TTCTCTGGTCGAGGCCAGTTCCTCTGA