

IDENTIFICATION

Species: *Brassica oleracea capitata*

Locus: Bol033171

Gene Model: Bol033171

Description: BolEXPA-05

Family: Alpha Expansin

3D structure:



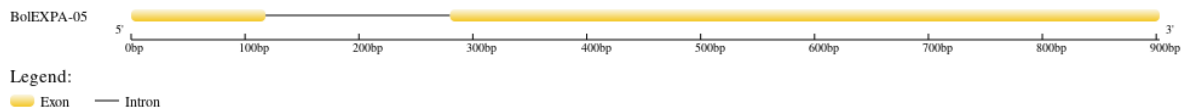
GENOME DATABASES

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

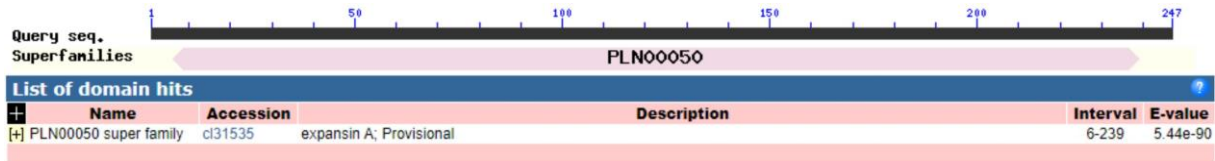
EXTERNAL RESOURCES

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

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BolEXPA-05

MNRSMSFVMLLAILVSVADA AWEDAHATFYGDISGKETMQGACGYGDLFQEGYGL
ETAALSTALFNNGQTCGACFELTCVNSQWCKQNAGAIRITATNFCPPNYTPPVDIHW
CNPPNKHFDLSMKMFTSIAEYKSGIVPVKFRRVKCQKRGGVRF EIKGNPNFIMVLVY
NVGGAGDVNSLAIKGHKSNWISMKRNWGQNWNTGVGLVGQRLSFTVKTS DGRSLT
FYDVASESWGFGQTFEAKSNFY*

CDS (coding sequence)

>BolEXPA-05

ATGAATCGATCAATGTCTTTTGT CATGTTGCTGGCGATTCTTGTCTCTGTGGCTGA
CGCTGCATGGGAAGACGCTCACGCTACGTTTTACGGCGACATTAGCGGCAAAGA
AACCATGCAAGGAGCATGTGGTTATGGAGATCTATTCCAAGAAGGTTATGGGTTA
GAAACGGCGGGCGCTAAGCACGGCGCTCTTCAACAACGGCCAAACATGCGGTGCT
TGTTTCGAGCTAACGTGTGTA AACTCACAATGGTGTAAACAAAACGCCGGTGCAA
TCAGAATCACAGCAACCAACTTCTGCCACCCAACTACACCCCACCGGTTGATAT
CCATTGGTGCAACCCTCCTAACAAGCACTTCGATCTATCCATGAAGATGTTCACTT
CCATCGCCGAGTACAAAAGTGGGATCGTTCGGTGAAGTTCAGGAGAGTGAAGT
GTCAGAAGAGAGGTGGTGTGAGGTTTGAGATTAAGGGAAACCCTAATTTTCATTAT
GGTGTGTTGGTGTATAACGTTGGAGGAGCTGGAGATGTTAACAGCCTGGCTATTAAG
GGGCATAAGAGTAACTGGATCTCTATGAAGAGGAACTGGGGGCAGAATTGGAAC
ACTGGTGTGGGTTTGGTTCGGACAAAGACTCTCGTTTACGGTGAAGACCAGTGATG
GTAGGAGCTTGACGTTCTATGATGTTGCGTCGGAGTCTTGGGGGTTTCGGTCAAAC
TTTTGAAGCGAAATCAAAC TTTTATTAG

Nucleotide

>BolEXPA-05

ATGAATCGATCAATGTCTTTTGT CATGTTGCTGGCGATTCTTGTCTCTGTGGCTGA
CGCTGCATGGGAAGACGCTCACGCTACGTTTTACGGCGACATTAGCGGCAAAGA
AACCATGCGTTAGTAGTTTTTACGTTGTTACTGATTAGTACTATATCTTGTTAACT
TCCAATATAATTGTCTAGTTAGTAATACATGTAGACTACGAATCTTGTAATCATT
GGCTTTTTTAATGAAAAGTATAATAGTATATAATGTTTTTTAATGTTATGGCGTGAC

AGAAGGAGCATGTGGTTATGGAGATCTATTCCAAGAAGGTTATGGGTTAGAAAC
GGCGGCGCTAAGCACGGCGCTCTTCAACAACGGCCAAACATGCGGGTGCTTGTTTC
GAGCTAACGTGTGTAAACTCACAATGGTGTAAACAAAACGCCGGTGCAATCAGA
ATCACAGCAACCAACTTCTGCCCACCCAACACACCCACCGGTTGATATCCATT
GGTGAACCCTCCTAACAAGCACTTCGATCTATCCATGAAGATGTTCACTTCCATC
GCCGAGTACAAAAGTGGGATCGTTCCGGTGAAGTTCAGGAGAGTGAAGTGTGAG
AAGAGAGGTGGTGTGAGGTTTGAGATTAAGGGAAACCCTAATTTTCATTATGGTGT
TGGTGTATAACGTTGGAGGAGCTGGAGATGTTAACAGCCTGGCTATTAAGGGGCA
TAAGAGTAACTGGATCTCTATGAAGAGGAACTGGGGGCAGAATTGGAACACTGG
TGTGGGTTTGGTCGGACAAAGACTCTCGTTTACGGTGAAGACCAGTGATGGTAGG
AGCTTGACGTTCTATGATGTTGCGTCGGAGTCTTGGGGGTTCCGGTCAAACCTTTGA
AGCGAAATCAAACCTTTTATTAG