

IDENTIFICATION

Species: *Brachypodium stacei*

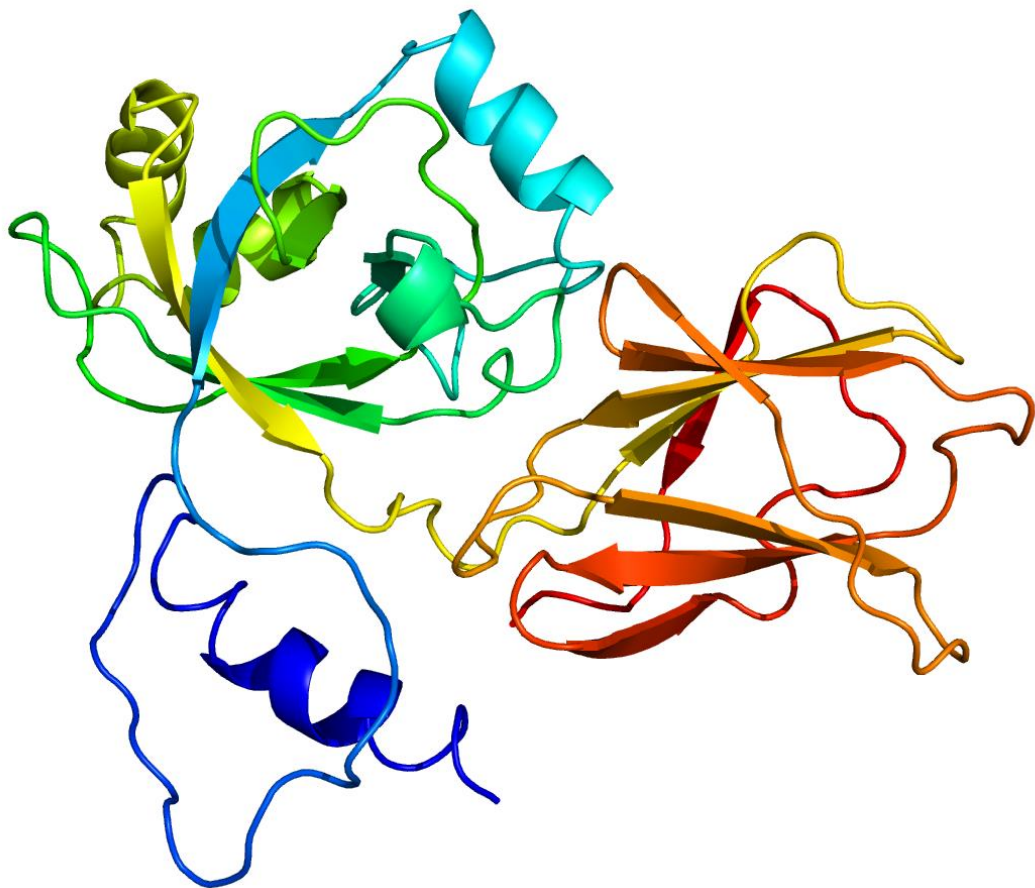
Locus: Brast03G195200

Gene Model: Brast03G195200.1.p

Description: BstEXPB-06

Family: Beta Expansin

3D structure:



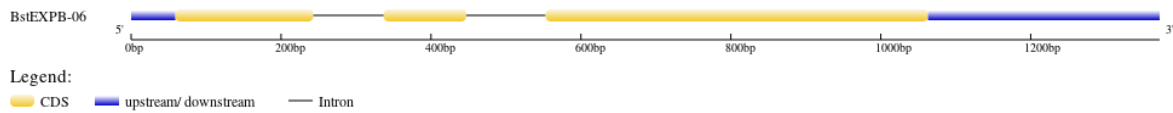
GENOME DATABASES

Phytozome: https://phytozome-next.jgi.doe.gov/info/Bstacei_v1_1

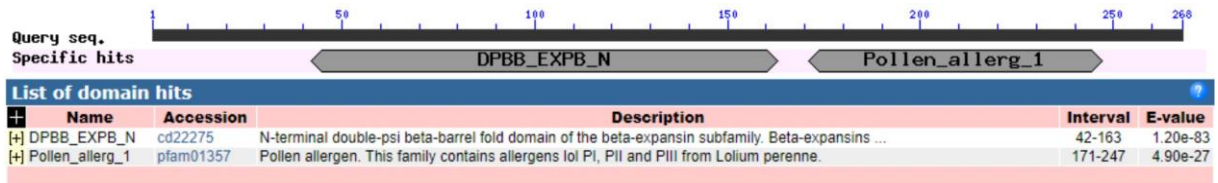
EXTERNAL RESOURCES

<https://brachypodium.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BstEXPB-06

MAMAGAVALMSLLVATYGSCAAAQQQPAENYDTSAAAYSSGWLPARATWYGAPT
GAGPDDNGGACGFKNVNQYPFSSMTSCGNQPLFKDGKGCSCYQIRCTNDKSCSGN
IKTVMITDMNYYPVAQYHFDLSGTAFGAMAKPGLNDKLRHSGIIDIQFRRVPCNFPGL
KINFHVVEGSNAVYLAVLIEYEDMDGLTQVDMKEANSQWVPMRESWGSIWVMD
SNHRLQAPFSMRITSDSGKQLVANNVIPANWRANTDYRSFVQFS*

CDS (coding sequence)

>BstEXPB-06

ATGGCTATGGCTGGGGCCGTCGCGCTCATGTCCTTGCTTGTTGCCACCTATGGCTC
TTGCGCCGCCGCACAGCAGCAGCAGCCGGCCGAGA ACTACGACACCTCCGCGGC
TTACAGCTCTGGCTGGCTCCCAGCCAGGGCCACCTGGTACGGCGCGCCCACGGGC
GCCGGCCCAGACGACAACGGCGGTGCGTGCGGGTTCAAGAACGTGAACCAGTAC
CCGTTCTCCTCCATGACCTCCTGCGGCAACCAGCCTCTCTTCAAGGACGGCAAGG
GCTGCGGCTCCTGCTACCAGATACGATGCACCAACGACAAATCCTGCTCGGGCAA
CATCAAGACGGTGATGATCACGGACATGAACTACTACCCCGTGGCCCAGTACCAC
TTCGACCTGAGCGGCACGGCGTTCGGCGCCATGGCGAAGCCTGGCCTCAACGACA
AGCTCCGCCACTCGGGCATCATCGACATCCAGTTCAGGAGGGTGCCGTGCAACTT
CCCGGGCCTCAAGATCAACTTCCACGTGGTGGAGGGTCCAACGCGGTCTACCTG
GCGGTGCTGATCGAGTACGAGGACATGGACGGCGACCTGACGCAGGTGGACATG
AAGGAGGCCAACTCCGGGCAATGGGTGCCGATGCGCGAGTCTGGGGCTCCATC
TGCGGATGGACTCCAACCACCGCCTCCAGGCGCCCTTCTCCATGCGCATCACCA
GCGACTCCGGCAAGCAGCTCGTCGCCAACAATGTCATCCCGGCCAACTGGAGGG
CCAACACCGACTACCGCTCCTTCGTCCAATTCAGCTGA

Nucleotide

>BstEXPB-06

AGACCAGAGTCCACCACAGTACTACA ACTACTACTAGCAACTACATCTTCACTGA
AGAGATGGCTATGGCTGGGGCCGTCGCGCTCATGTCCTTGCTTGTTGCCACCTAT
GGCTCTTGCGCCGCCGCACAGCAGCAGCAGCCGGCCGAGA ACTACGACACCTCC

GCGGCTTACAGCTCTGGCTGGCTCCCAGCCAGGGCCACCTGGTACGGCGCGCCCA
CGGGCGCCGGCCCAGACGACAACGGTAAGGGGCATGCCAACCCGTGCTGGACGA
TGCTCTGTTCTTCCCAAACACGCCGTGGCTTAATCTTATCTGATCGATTGATGTGT
GCGTGCAGGCGGTGCGTGCGGGTTCAAGAACGTGAACCAGTACCCGTTCTCCTCC
ATGACCTCCTGCGGCAACCAGCCTCTTCAAGGACGGCAAGGGCTGCGGCTCCT
GCTACCAGGTACGTACAGCACACTTAAGATTTCTGAATTTTCATGGACCCGGACA
AACACAGAGACAGTGTTGACTTGGTTGACCTGTTGTTGTTGCTCTGTTTTTCTTCT
CAGATACGATGCACCAACGACAAATCCTGCTCGGGCAACATCAAGACGGTGATG
ATCACGGACATGAACTACTACCCCGTGGCCCAGTACCACTTCGACCTGAGCGGCA
CGGCGTTTCGGCGCCATGGCGAAGCCTGGCCTCAACGACAAGCTCCGCCACTCGGG
CATCATCGACATCCAGTTCAGGAGGGTGCCGTGCAACTTCCCGGGCCTCAAGATC
AACTTCCACGTGGTGGAGGGCTCCAACGCGGTCTACCTGGCGGTGCTGATCGAGT
ACGAGGACATGGACGGCGACCTGACGCAGGTGGACATGAAGGAGGCCAACTCCG
GGCAATGGGTGCCGATGCGCGAGTCCTGGGGCTCCATCTGGCGGATGGACTCCAA
CCACCGCCTCCAGGCGCCCTTCTCCATGCGCATCACCAGCGACTCCGGCAAGCAG
CTCGTCGCCAACAAATGTCATCCCGGCCAACTGGAGGGCCAACACCGACTACCGCT
CCTTCGTCCAATTCAGCTGATCATCGATTAACCAACCAACTCGGTAGGGACAGAC
ACGTACGTGCTCTGTGTGCGGTCGCTCGAGATCACTGGCTTAATTTATTTGCTATTT
GCATGGGATCGATCAGGGAGTTTGATGAGATGCCGTCTGTTCGGGCGTGTCATATA
TGTGTGGGGGCGTCGTCGTGTAACGTCTTTCACCAAGCATGTTTTGGGAAGGGGA
GGAAGGCAAACCTTTGCATATGCTCGATCTCCCGCCCCTGACAGTACCCATACAT
CATACTACCAGTGTGTAATCAGATCCAAATTATAAATTTGTAATTTTGTATAC