

IDENTIFICATION

Species: *Brachypodium stacei*

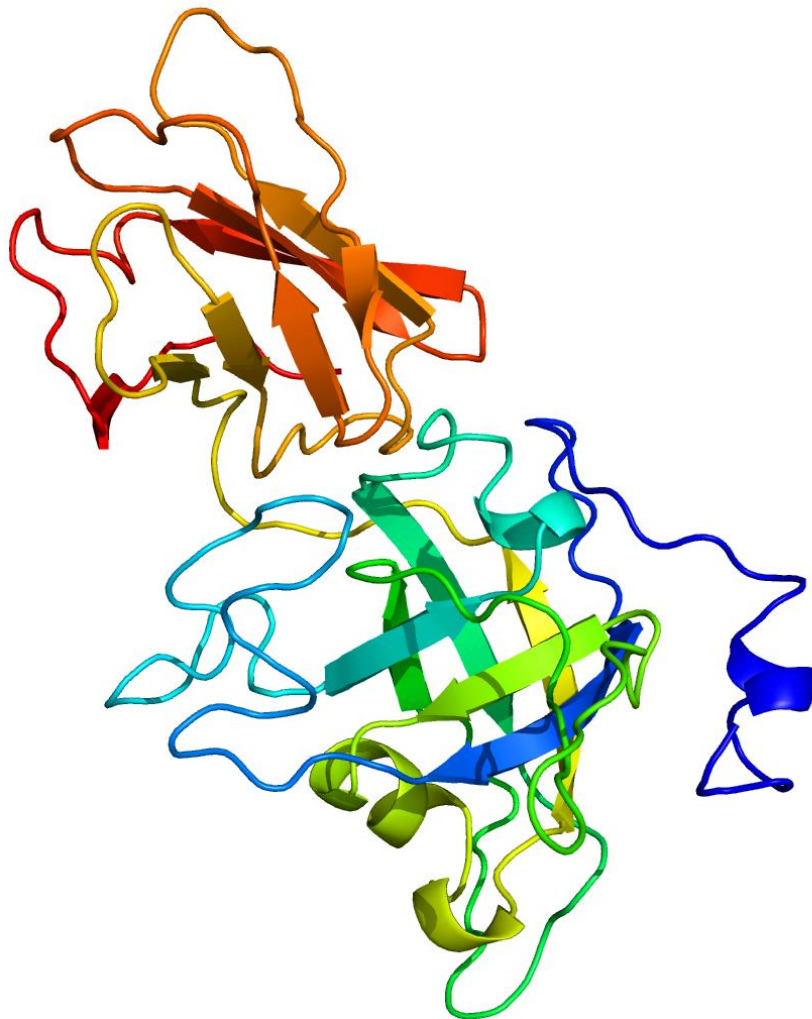
Locus: Brast01G317900

Gene Model: Brast01G317900.1.p

Description: BstEXPA-03

Family: Alpha Expansin

3D structure:



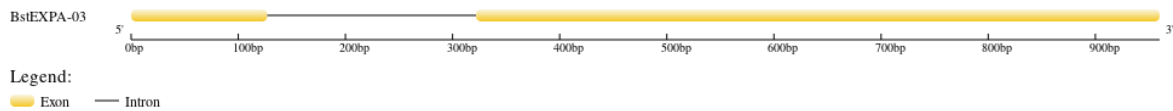
GENOME DATABASES

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

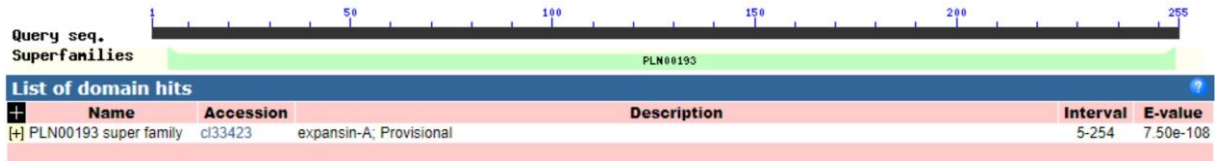
EXTERNAL RESOURCES

<https://brachypodium.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BstEXPA-03

MEKTILVVFLGLCVSQLGRSVAQQWIPANATFYGGSDGSDAMGGSCGYGDLNKYN
GAGYGTYYTALSATLYGDAKSCGACYAIACDSSKTGWCKQGAPPVTVTATNFCPPN
WSVPGDNGGWCNPPRQHFDMSQPAWETIAVYQGGFVPVKYARAPCRRTGGIRFSIS
GNDYFELVLISNVGGSGAVSAASVKGSNTDWMPMSRNWGSNWQSNAYLTGQSLSF
QVQTDDGRSVTAYNVAPPNWQFGNMYESSVNF*

CDS (coding sequence)

>BstEXPA-03

ATGGAGAAGACGATCTTGGTGGTTTTCTAGGCCTGTGCGTGTCTCAGCTCGGTC
GTTCGGTGGCCCAGCAGTGGATACCGGCCAACGCCACGTTCTATGGAGGCAGCG
ACGGGTCCGACGCAATGGGTGGGTCTTGCGGGTACGGAGACCTGAACAAGTACA
ACGGCGCCGGGTACGGGACGTACACGACGGCGCTGAGCGCGACGCTCTACGGCG
ACGCCAAGTCGTGCGGGCGCGTGCTACGCCATCGCCTGCGACTCCTCCAAGACCGG
GTGGTGCAAGCAGGGCGCGCCCCGGTCACGGTCACGGCCACCAACTTCTGCCCCG
CCCAACTGGTCCGTGCCCGGCGACAACGGCGGGTGGTGCAACCCGCCGCGGCAG
CACTTCGACATGTCGCAGCCGGCCTGGGAGACCATCGCCGTCTACCAGGGCGGCT
TCGTGCCCGTCAAGTACGCGCGCGCGCCGTGCCGCAGGACGGGGGGGATCCGGT
TCTCCATCAGCGGGAACGACTACTTCGAGCTGGTGCTCATCAGCAACGTCGGGGG
AAGCGGGGCCGTTTCGGCGGCTTCCGTGAAGGGATCCAACACGGACTGGATGCC
CATGAGCCGCAACTGGGGCTCCAACCTGGCAGAGCAATGCGTACCTCACGGGCCA
GAGCCTGTCGTTCCAGGTGCAGACCGACGACGGCAGGTCCGTCACGGCGTACAA
CGTCGCGCCGCCCAACTGGCAGTTCGGCAACATGTATGAGTCCTCCGTCAACTTC
TGA

Nucleotide

>BstEXPA-03

ATGGAGAAGACGATCTTGGTGGTTTTCTAGGCCTGTGCGTGTCTCAGCTCGGTC
GTTCGGTGGCCCAGCAGTGGATACCGGCCAACGCCACGTTCTATGGAGGCAGCG
ACGGGTCCGACGCAATGGGTACGTGACTTTTCGTTTTCTGCTTGTTAAACCTGGA
CAAATCCTTGTACGTTTTCTACAAAACATCGTACGTACGGTCTGCTTGTACGATA

ACTACTTGCTCACCAGATCCGTTTCGAAAAGAAAAAAATACCCCAGAACGATTT
CATAATCAATTGCATTGGCTTCCTGCGTCGCATGCCACGAATGCAGGTGGGTCTT
GCGGGTACGGAGACCTGAACAAGTACAACGGCGCCGGGTACGGGACGTACACGA
CGGCGCTGAGCGCGACGCTCTACGGCGACGCCAAGTCGTGCGGCGCGTGCTACG
CCATCGCCTGCGACTCCTCCAAGACCGGGTGGTGCAAGCAGGGCGCGCCCCGGT
CACGGTCACGGCCACCAACTTCTGCCCCGCCAACTGGTCCGTGCCCCGGCGACAAC
GGCGGGTGGTGCAACCCGCCGCGGCAGCACTTCGACATGTCGCAGCCGGCCTGG
GAGACCATCGCCGTCTACCAGGGCGGCTTCGTGCCCGTCAAGTACGCGCGCGCGC
CGTGCCGCAGGACGGGGGGGATCCGGTTCTCCATCAGCGGGAACGACTACTTCG
AGCTGGTGCTCATCAGCAACGTCGGGGGAAGCGGGGCCGTTTCGGCGGCTTCCGT
GAAGGGATCCAACACGGACTGGATGCCCATGAGCCGCAACTGGGGCTCCAACG
GCAGAGCAATGCGTACCTCACGGGCCAGAGCCTGTCGTTCCAGGTGCAGACCGA
CGACGGCAGGTCCGTACGGCGTACAACGTCGCGCCGCCAACTGGCAGTTCGGC
AACATGTATGAGTCCTCCGTCAACTTCTGA