

## IDENTIFICATION

**Species:** *Brachypodium stacei*

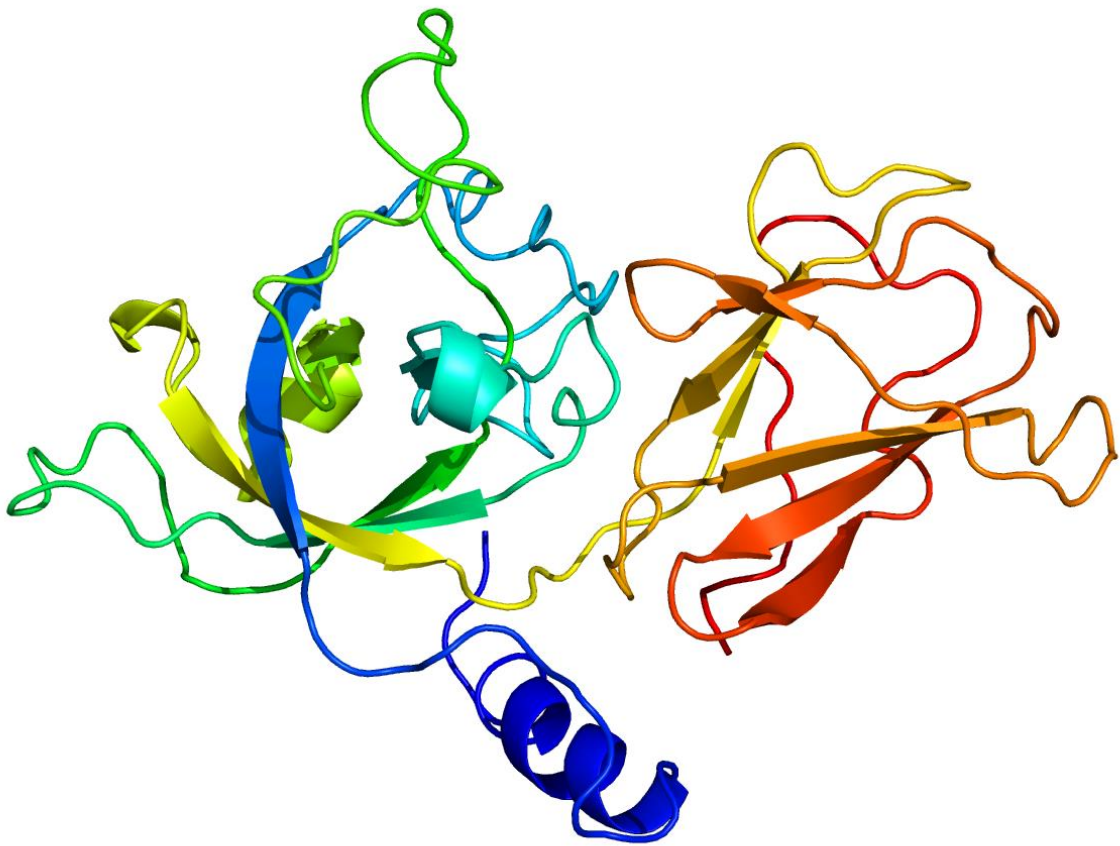
**Locus:** Brast04G227900

**Gene Model:** Brast04G227900.1.p

**Description:** BstEXPA-24

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

Phytozome: [https://phytozome-next.jgi.doe.gov/info/Bstacei\\_v1\\_1](https://phytozome-next.jgi.doe.gov/info/Bstacei_v1_1)

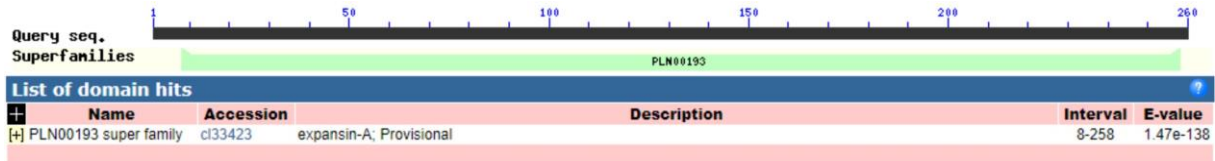
## EXTERNAL RESOURCES

<https://brachypodium.org/>

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>BstEXPA-24

MAGAYYYALALVCALLSMSAVDALEPSGWLRAHATFYGGSDAGGTMGGACGYGN  
LYAQGYGTRTTALSTVLFDRGMSCGQCYKLVCDRKTDPWCKPGVSVTVTATNLCP  
PNWDLPSDKGGWCNPPRPHFDMAQPAWEKIGVYRGGIIPVIYQRVPCVKKGGVRFTI  
AGHDYFELVLLTNVAAAGSVKAMDVKGSRAGSNDWMPMAHNWGANWHSCLKYLN  
GQGLSFRVTITDGQTIVFADVPPSWRFSQTFASNLQFK\*

### CDS (coding sequence)

>BstEXPA-24

ATGGCTGGAGCTTACTACTACGCGCTAGCCCTCGTCTGCGCGCTGCTGTCCATGTC  
CGCCGTGGACGCCCTGGAGCCGAGCGGGTGGCTTCGGGCGCACGCGACCTTCTAC  
GGCGGCAGCGACGCGGGCGGCACCATGGGCGGGGCTGCGGGTACGGCAACCTC  
TACGCGCAGGGCTACGGCACGCGCACAAACGGCGCTGAGCACTGTCTCTTCGACC  
GCGGCATGTCTGCGGTCAGTGCTACAAGCTTGTCTGCGACCGGAAAACAGACCC  
TTCATGGTGCAAGCCGGGGGTGTCCGTGACAGTCACGGCCACAACTTGTGCCCG  
CCCAACTGGGATCTCCCAGCGACAAGGGCGGGCTGGTGCAACCCGCCGCGGCCG  
CACTTCGACATGGCGCAGCCGGCATGGGAGAAGATCGGCGTCTACCGGGGCGGC  
ATCATCCCCGTCATCTACCAGAGGGTCCCCTGCGTCAAGAAGGGCGGGGTCAGGT  
TCACCATCGCGGGGCACGACTACTTCGAGCTCGTGTTGCTACCAATGTCGCCGC  
GGCTGGCTCGGTCAAGGCCATGGACGTGAAGGGGTCCAGGGCCGGGAGCAACGA  
CTGGATGCCCATGGCGCACAACTGGGGCGCGAATTGGCATTGCTCAAGTATCTC  
AATGGGCAGGGCTTGTCTTTCCGGGTGACTATCACCGATGGGCAGACGATCGTCT  
TTGCTGATGTTGTGCCGCTAGCTGGAGGTTACAGCCAGACGTTTTCGAGCAACCT  
GCAGTTCAAGTGA

### Nucleotide

>BstEXPA-24

GGAAGTTCCCCACAGAGATAGATCCATCCATCCACACCATTC AATTGGTCACTA  
ACTAAGTTGCCATGGCTGGAGCTTACTACTACGCGCTAGCCCTCGTCTGCGCGCT  
GCTGTCCATGTCCGCCGTGGACGCCCTGGAGCCGAGCGGGTGGCTTCGGGCGCAC  
GCGACCTTCTACGGCGGCAGCGACGCGGGCGGCACCATGGGCGGGGCTGCGGG

TACGGCAACCTCTACGCGCAGGGCTACGGCACGCGCACAAACGGCGCTGAGCACT  
GTCCTCTTCGACCGCGGCATGTCCTGCGGTCAAGTGTACAAGCTTGTCTGCGACC  
GGAAAACAGACCCTTCATGGTGCAAGCCGGGGGTGTCCGTGACAGTCACGGCCA  
CAAACCTTGTGCCCGCCCAACTGGGATCTCCCCAGCGACAAGGGCGGCTGGTGCAA  
CCCGCCGCGGCCGCACTTCGACATGGCGCAGCCGGCATGGGAGAAGATCGGCGT  
CTACCGGGGCGGCATCATCCCCGTCTCTACCAGAGGGTCCCCTGCGTCAAGAAG  
GGCGGGGTCAGGTTCAACATCGCGGGGCACGACTACTTCGAGCTCGTGTTGCTCA  
CCAATGTCGCCGCGGCTGGCTCGGTCAAGGCCATGGACGTGAAGGGGTCCAGGG  
CCGGGAGCAACGACTGGATGCCCATGGCGCACAACTGGGGCGCGAATTGGCATT  
CGCTCAAGTATCTCAATGGGCAGGGCTTGTCTTTCCGGGTGACTATCACCGATGG  
GCAGACGATCGTCTTTGCTGATGTTGTGCCGCCTAGCTGGAGGTTTCAGCCAGACG  
TTTGCGAGCAACCTGCAGTTCAAGTGATCTAGCAACGGTGATTAATTGGAGCACG  
GTGAGAAGATTACTTACTTACTTACATATATGTATGCGATTGTGAGTGTGTCTGT  
TGTTTAATTTATCCGGTTATTACCTGCTTGAACGTACATGTACACCGGCCAGGCTA  
GCTGATATGTGTGATGTACATAAAGCTAGAGACGGACTGATTGAGCTTATGTATG  
GAGGTATTACGTTTTGTGAGGATATATTATTGAAGGAACTCTGTTAGGTCGGTGA  
CATAGCGTTTTGTTGAAAAACCGCAATTTGTGTGTGTGCATGAGAGAGAGGAG