

## IDENTIFICATION

**Species:** *Brachypodium stacei*

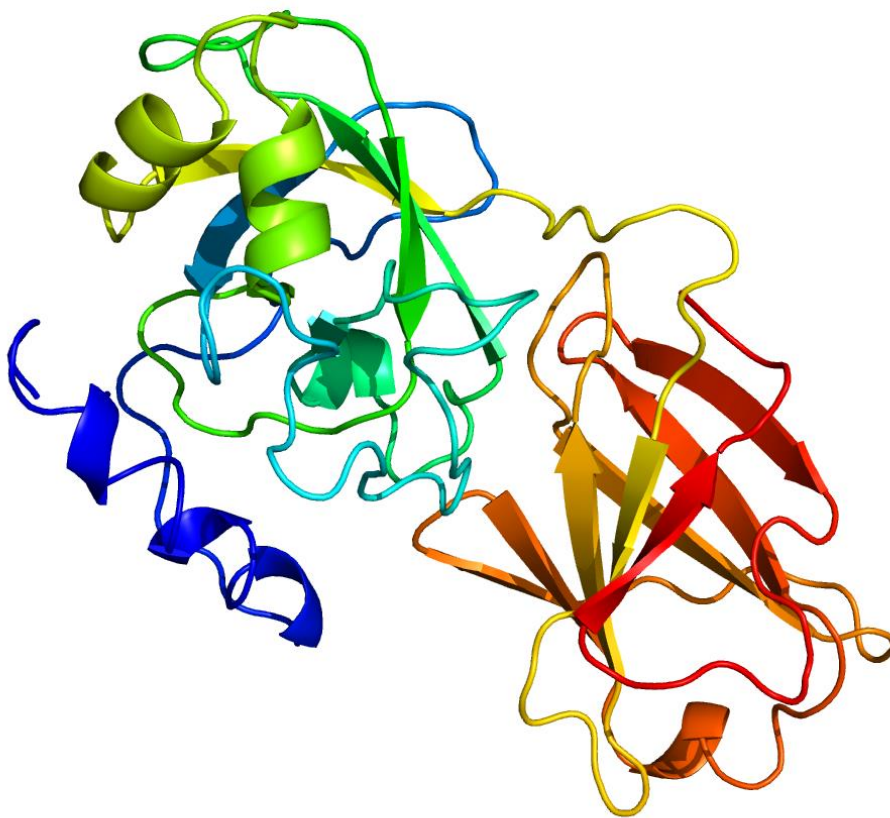
**Locus:** Brast08G197900

**Gene Model:** Brast08G197900.1.p

**Description:** BstEXPB-19

**Family:** Beta 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)

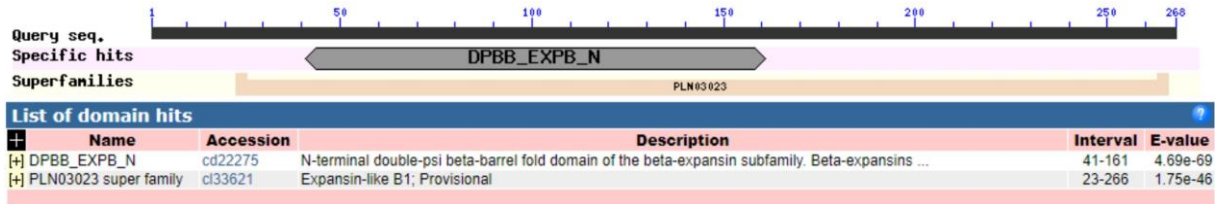
## EXTERNAL RESOURCES

<https://brachypodium.org/>

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>BstEXPB-19

MGSFSSVVVAVAVLAALVAGASCFVVVPPGPNITTSYDGNWLDKATWYGSPTGA  
GPPDNGGACGIKETNLPPYNSLTSCGNLPIFKDGKGCSCFKIKCANKVCCKPVVVF  
ITDMNYDQFAPYHFDLSGTAFGALAMPGRESELRHYGIIDLRFRRVRCKLAPEMKIAF  
HVEEGSNPEYLAVLVKQVAGDGNIVQMDLKQEDWPEWKPMRESWGAIWRMDMDY  
HTPLEGPFSIRLTSESgKVLVAPHVIPADWQPKTVYQSNIQF\*

### CDS (coding sequence)

>BstEXPB-19

ATGGGATCCTTCTCCAGCGTCGTCGTCGCAGTCGCCGTCTTGGCGGCGCTCGTGG  
CCGGCGCCTCGTGTTTTGTGGTGGTGCCGCCCGGCCCTAACATCACGACCAGCTA  
CGACGGCAATTGGCTCGACGCCAAGGCCACTTGGTATGGCAGCCCCACGGGCGC  
CGGCCCCCGGACAACGGTGGTGCCTGCGGCATCAAGGAGACGAACCTGCCTCC  
CTACAACAGCTTGACCTCTTGCGGCAACCTCCCCATCTTCAAGGACGGCAAGGGC  
TGCGGCTCCTGCTTCAAGATCAAGTGTGCTAACAAAGGTGTGCTCGAAGAAGCCGG  
TGGTCGTGTTCACTGACATGAACTACGACCAGTTTGCCCCTTACCCTTCGAC  
CTCTCCGGCACCGCCTTCGGCGCCCTGGCAATGCCGGGGAGGGAGAGCGAGCTG  
CGGCACTACGGCATTATCGACCTCCGGTTCGGGAGGGTTCGCTGCAAGCTCGCTC  
CCGAGATGAAGATCGCATTTCACGTCGAGGAAGGGTCCAACCCGGAATACCTTGC  
GGTGTGTTGTAAGTTCGTCGCGGGAGACGGTAACATTGTGCAGATGGACCTGAA  
GCAGGAGGACTGGCCGGAGTGGAAGCCGATGAGGGAGTCTTGGGGCGCCATATG  
GAGGATGGACATGGACTATCACACGCCGCTCGAGGGCCATTCTCCATCCGCCTC  
ACCAGCGAGTCCGGCAAGGTGCTCGTCGCCCTCACGTCATCCCGGCTGACTGGC  
AGCCAAAACACTGTCTACCAGTCAAACATTCAGTTCTAA

### Nucleotide

>BstEXPB-19

ATGGGATCCTTCTCCAGCGTCGTCGTCGCAGTCGCCGTCTTGGCGGCGCTCGTGG  
CCGGCGCCTCGTGTTTTGTGGTGGTGCCGCCCGGCCCTAACATCACGACCAGCTA

CGACGGCAATTGGCTCGACGCCAAGGCCACTTGGTATGGCAGCCCCACGGGGCGC  
CGGCCCCCGGACAACGGTAATGTGCTTTCTATATATGAGGATATAAGTGTATAT  
CAGTAAGGATTTTGCTTTTGAAAATGTGCTATATATTCCATTCGTGCAGGTGGTGC  
GTGCGGCATCAAGGAGACGAACCTGCCTCCCTACAACAGCTTGACCTCTTGCGGC  
AACCTCCCCATCTTCAAGGACGGCAAGGGCTGCGGCTCCTGCTTCAAGGTTTCCA  
CCCGATACTTCGCCTGCATATACATACATATATGGTATCATTTCGTTGTGCAATAG  
TAATAAATTAAGGAAGTTAATTTGCACATGTACGTGTTGACATATATTGATCGAA  
TTAATTAATGTTGCATGCATGCAGATCAAGTGTGCTAACAAGGTGTGCTCGAAG  
AAGCCGGTGGTCGTGTTTCATCACTGACATGAACTACGACCAGTTTGCCCCTTACC  
ACTTCGACCTCTCCGGCACCGCCTTCGGCGCCCTGGCAATGCCGGGGAGGGAGAG  
CGAGCTGCGGCACTACGGCATTATCGACCTCCGGTTCCGGAGGGTTCGCTGCAAG  
CTCGCTCCCGAGATGAAGATCGCATTTACGTCGAGGAAGGGTCCAACCCGGAAT  
ACCTTGCGGTGCTGGTGAAGTTCGTGCGGGAGACGGTAACATTGTGCAGATGGA  
CCTGAAGCAGGAGGACTGGCCGGAGTGGAAGCCGATGAGGGAGTCTTGGGGCGC  
CATATGGAGGATGGACATGGACTATCACACGCCGCTCGAGGGGCCATTCTCCATC  
CGCCTCACCAGCGAGTCCGGCAAGGTGCTCGTCGCCCCTCACGTCATCCCGGCTG  
ACTGGCAGCCAAAAGTGTCTACCAGTCAAACATTCAGTTCTAA