

## IDENTIFICATION

**Species:** *Brachypodium stacei*

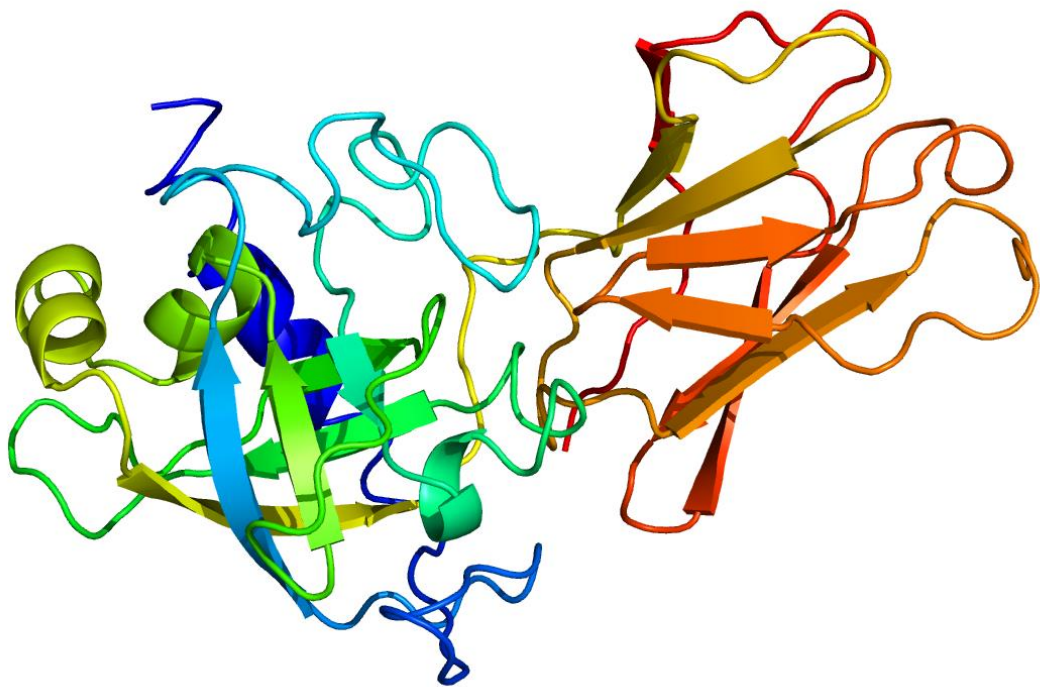
**Locus:** Brast03G195700

**Gene Model:** Brast03G195700.1.p

**Description:** BstEXPB-11

**Family:** Beta Expansin

**3D structure:**



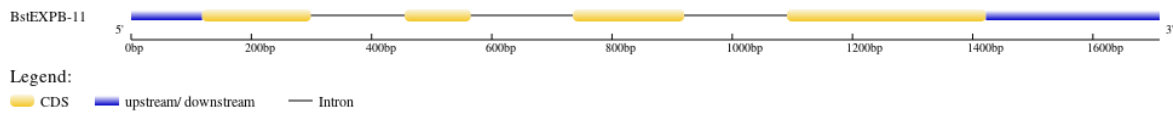
## GENOME DATABASES

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

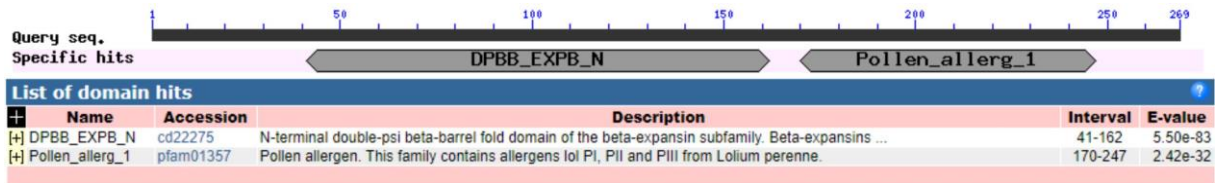
## EXTERNAL RESOURCES

<https://brachypodium.org/>

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>BstEXPB-11

MSALSTKAVALVALSSLLVITYVAAGPPVSYNASAFADPNWENARATWYGAPTGA  
GPDDDGGACGFKNVNQYPFSAMTSCGNEPLFKDGKGCSCYQIRCVNDQSCSGNPE  
TVVITDMNYPVSKYHFDLSGTAFGAMAKPGLNDKLRHSGIIDIQFKRVPCNFPGLK  
VTFHVEQGSNPVYFAVLVEYEDGDGDVVQVDLMEANSGGAWTPMRESWGSIWRLD  
SGHRLQAPFSLRITNESGKTLVADKVIPANWAPSAVYRSFVQYSG\*

### CDS (coding sequence)

>BstEXPB-11

ATGTCAGCTCTTTCCACCAAGGCCGTTGCACTCGTTGCACTGTCCTCCCTCCTTGT  
CACCTATGTCGCCGCGGCCCGCCGGTGAAGTACAATGCTTCCGCCTTACCAGCC  
GACCCCAACTGGGAGAACGCCAGGGCCACCTGGTATGGTGCGCCACCGGCGCC  
GGCCCTGACGACGACGGCGGTGCGTGTGGGTTCAAGAACGTGAACCAGTACCCG  
TTCTCGGCCATGACCTCCTGCGGCAACGAGCCCCTGTTCAAAGACGGCAAGGGCT  
GCGGCTCCTGCTACCAGATAAGATGCGTCAACGACCAATCCTGTTCCGGCAACCC  
GGAGACGGTGGTCATCACCGACATGAACTACTACCCGGTCTCCAAGTACCACTTC  
GACCTCAGCGGCACGGCGTTCGGCGCCATGGCCAAGCCCGGCCTCAACGACAAG  
CTCCGCCACTCCGGCATCATCGACATCCAGTTCAAGAGGGTGCCTTGCAACTTCC  
CGGGGCTGAAGGTGACCTTCCACGTGGAGCAAGGGTCAACCCGGTGTACTTCG  
GGTGTGTTAGAGTACGAGGACGGCGACGGCGACGTGGTCCAGGTGGACCTGAT  
GGAGGCCAACTCGGGCGGCGCGTGGACGCCGATGCGCGAGTCTGGGGCTCCAT  
CTGGCGGCTCGACTCCGGCCACCGCCTCCAGGCGCCCTTCTCCCTCCGCATCACC  
AACGAGTCCGGCAAGACGCTCGTCGCCGACAAGGTCATCCCGGCCAACTGGGCG  
CCCAGCGCCGTCTACCGCTCCTTCGTCCAGTACAGCGGCTGA

### Nucleotide

>BstEXPB-11

GTTCAACCTCGCAACCTGGTCTGGTCAGTGTGCCGGTGCCTGCTAGCTAGTACT  
CTCTCTGTCTCAAGCTTGAAGAAGCAGAGACTCGTAGTTGTAACAGCAGCTGGTA  
AGTTAAAGATGTCAGCTCTTTCCACCAAGGCCGTTGCACTCGTTGCACTGTCCTCC

CTCCTTGTCACCTATGTCGCCGCCGGCCCGCCGGTGAGTTACAATGCTTCCGCCTT  
CACCGCCGACCCCAACTGGGAGAACGCCAGGGCCACCTGGTATGGTGCGCCAC  
CGGCGCCGGCCCTGACGACGACGGTACGTACTGACGTCTCTGTACAATATATGTG  
CCGCCGGTGCAACGATCCATGGCGCCGCCAGTCCATTGTTAATAATCCTAACGG  
ATGATTGTGTTGTTGGTTAATTTGTGTAAACAATATATATGCACTGATCGATCAGA  
TCTCTGCGTGCAGGCGGTGCGTGTGGGTTCAAGAACGTGAACCAGTACCCGTTCT  
CGGCCATGACCTCCTGCGGCAACGAGCCCCTGTTCAAAGACGGCAAGGGCTGCG  
GCTCCTGCTACCAGGTAGACCACCAGATTCGCTAATCTCTCAATGTGTGCTTTTCT  
TTTTTCTTTCGTGACGAGTGCTATTTCTGGTGCTTGCCCCTGCCGTGGTGGAAAA  
GGAGCTGGTGGACTATGGGGACACGTTGTTTTGCCAATTTGCTTGCTGACTCTATT  
GCTTTTTTGTTCAGATAAGATGCGTCAACGACCAATCCTGTTCCGGCAACCCGG  
AGACGGTGGTCATCACCGACATGAACTACTACCCGGTCTCCAAGTACCACTTCGA  
CCTCAGCGGCACGGCGTTCGGCGCCATGGCCAAGCCCGGCCTCAACGACAAGCTC  
CGCCACTCCGGCATCATCGACATCCAGTTCAAGAGGTCCGTCCGTCTGTCTGTGT  
GGCCCCTAGTACTTCTTTGTGCAACAAAACTTTCACGACAGCGACCCGGTTTAA  
CTTTAACTGGGACCCAAAGAGATTTCGCACCCAAAAAAAAGCACTCTGCCGGGTT  
ACACGCTGTGAGGATAACACGAGGATTAACTGCTGATGCAGGGTGCCCTGCAACT  
TCCCGGGGCTGAAGGTGACCTTCCACGTGGAGCAAGGGTCGAACCCGGTGTACTT  
CGCGGTGCTTGTAGAGTACGAGGACGGCGACGGCGACGTGGTCCAGGTGGACCT  
GATGGAGGCCAACTCGGGCGGCGCGTGGACGCCGATGCGCGAGTCCTGGGGCTC  
CATCTGGCGGCTCGACTCCGGCCACCGCCTCCAGGCGCCCTTCTCCCTCCGCATCA  
CCAACGAGTCCGGCAAGACGCTCGTCGCCGACAAGGTCATCCCGGCCAACTGGG  
CGCCCAGCGCCGTCTACCGCTCCTTCGTCCAGTACAGCGGCTGATGGATCGCTGG  
CCGCTTGCTCGTCATATCCGGTATTGTAAGGGTCGATGGTTTTGCATGGTTTCTTT  
TGCTTAGGTGAGGCGTCCGGTGTCCGGTTTTTCATGTACTAGACGTCGTTGCATGCGT  
GCGTGCGTGTGCGTCTTTGTGTTCCGGGAGAGGGGGAGATGGAGGAGAGGCGCAC  
GTTAATTTTGCATGTGCCCTCCCGCGCCTGCTCTTTCACTGTACCAGTGTCTTCAG  
TTGTCAGCCGTCAGTGTGTACCCAGATCATAACTTATAATTACAGTTTTTCTGTTTG