

## IDENTIFICATION

**Species:** *Brachypodium stacei*

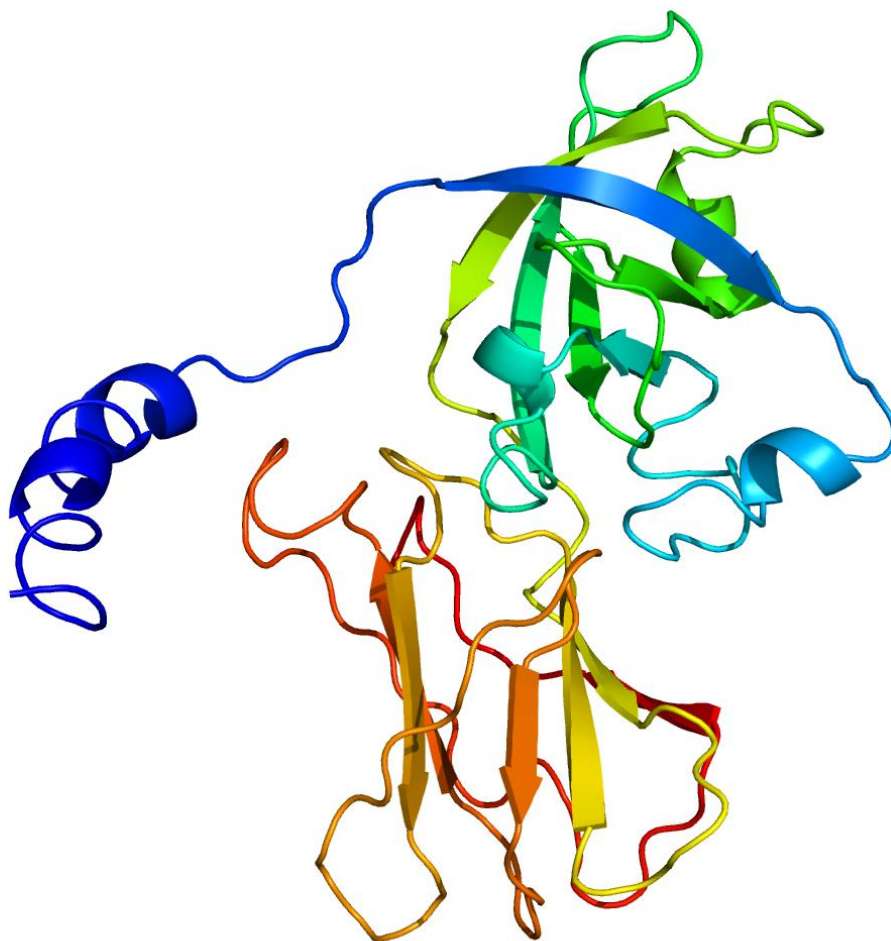
**Locus:** Brast06G121000

**Gene Model:** Brast06G121000.1.p

**Description:** BstEXLB-01

**Family:** Expansin Like Beta

**3D structure:**



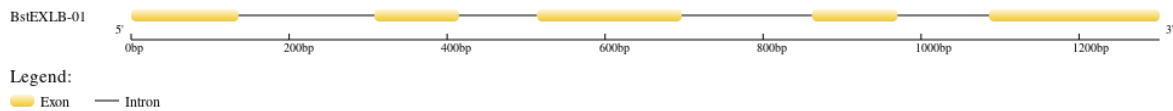
## GENOME DATABASES

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

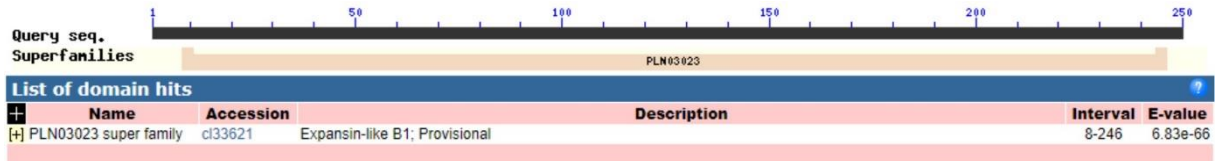
## EXTERNAL RESOURCES

<https://brachypodium.org/>

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>BstEXLB-01

MALPLHYHLSALFSLLVFVSRVIADADFTLSKASYYPDSDTKGTENGACEHGAFGAT  
LNNGDVSASASLYRNGVGCACGYQVRCTDPYYCSPEGVTIVITDSGSSDGTDFILSHA  
FAGMGQSVDAGAALLTLGYVGIEYKRCNIVFKITESHFPYYIEFEIWIYQQGSQDIIAV  
QLSETVTLTCQLLSRTHGAVWATVSPSTGPLYIRMLFSSGAPRVGDQKWLAPTNTIA  
QNWTGGAIYDSGVQMQLQ\*

### CDS (coding sequence)

>BstEXLB-01

ATGGCTCTTCCGCTTCATTATCATCTCTCGGCCTTGTTTTCTCTTCTAGTTTTTGTCT  
CTCGGGTTATTGCAGATGCAGACTTCACCTTGTCCAAAGCATCATATTACCCCGAT  
TCTGATACAAAAGGGACTGAAAATGGAGCATGTGAGCATGGCGCATTGGAGCA  
ACACTCAACAATGGTGTGTTTCTGCATCGGCAAGCCTCTACAGGAACGGGGTTG  
GCTGTGGTGCATGTTATCAGGTGAGGTGCACAGATCCTTACTACTGCTCCCCAGA  
GGCGTGACAATCGTGATCACCGACTCAGGATCGAGCGACGGCACTGATTTTCATC  
CTCAGCCACGCCCTTCGCAGGCATGGGACAGAGTGTGGATGCTGGTGCAGCGCTGC  
TCACCCTTGCTATGTTGGAATTGAGTACAAGAGGTGCAACATTGTCTTCAAGAT  
TACTGAGAGCAGCCATTTTCCCTACTACATAGAATTTGAGATCTGGTACCAGCAA  
GGTAGCCAGGACATCATCGCAGTCCAGCTATCTGAGACTGTGACCCTGACATGCC  
AGTTTCTGAGCCGAACATCATGGTGCAGTATGGGCTACAGTCTCCCATCAACTGG  
CCCTCTGTACATACGGATGCTGTTTAGCAGTGGAGCTCCCCGTGTTGGTGACCAG  
AAATGGCTAGCTCCGACAAACACAATAGCACAGAACTGGACGGGAGGGGCCATA  
TATGATTCTGGGGTCCAATGCAGCTGCAGTAG

### Nucleotide

>BstEXLB-01

ATGGCTCTTCCGCTTCATTATCATCTCTCGGCCTTGTTTTCTCTTCTAGTTTTTGTCT  
CTCGGGTTATTGCAGATGCAGACTTCACCTTGTCCAAAGCATCATATTACCCCGAT  
TCTGATACAAAAGGGACTGAAAGTAAGTACTTAATATTAGTAGATAGATTACTCA  
AGTTGTGGAGGTCAACGCATAAAAACAAAGTGGTAACTACGGAAGGTTATTGAG  
TTATAGGCTACTGTGTAATAATGTAGATCTCCAAGTAACTAGATACTGTCAAAGA

GATTTTATTGTTTCTGACGAAGACTTTCAGATGGAGCATGTGAGCATGGCGCATT  
GGAGCAACACTCAACAATGGTGATGTTTCTGCATCGGCAAGCCTCTACAGGAACG  
GGGTTGGCTGTGGTGCATGTTATCAGGTAAAATCCATCTGCGACTGTGCCAGTGC  
CCAGTACATCTTGAAAATCAGGAAACACCAATTTATTTTTATTCCCAGTAAGAAT  
GCCAGTTGCCAATAGGTGAGGTGCACAGATCCTTACTACTGCTCCCCAGAGGGCG  
TGACAATCGTGATCACCGACTCAGGATCGAGCGACGGCACTGATTCATCCTCAG  
CCACGCCTTCGCAGGCATGGGACAGAGTGTGGATGCTGGTGCAGCGCTGCTCACC  
CTTGGCTATGTTGGAATTGAGTACAAGAGGTGCGTGAATACAATAAACCTATCTA  
AACTACAGTTTGGATCATAACACCTAGTTGTTTTCCCTCAGATGGCATAAAAAGATG  
AAAAACTTTTCAGTGACTTTCCCTACTACACCAGAAATGATCTTGCATAATGAGTT  
ATGACAAAACACTGACATGTTGCAATCCAAATAAGAACATTGTCTTCAAGATTACTG  
AGAGCAGCCATTTTCCCTACTACATAGAATTTGAGATCTGGTACCAGCAAGGTAG  
CCAGGACATCATCGCAGTCCAGCTATCTGAGGTAAACACTAACTACACGGTGTA  
ATTATGTATGAAAGGAGTTACTCAATTATAAAGAAAGCTTTCTGTGCATGTAGAA  
TTTATAGAACTAAATACCTGTTAATGGCTGGATGCAGACTGTGACCCTGACATGC  
CAGCTTCTGAGCCGAACTCATGGTGCAGTATGGGCTACAGTCTCCCCATCAACTG  
GCCCTCTGTACATACGGATGCTGTTTAGCAGTGGAGCTCCCCGTGTTGGTGACCA  
GAAATGGCTAGCTCCGACAAACACAATAGCACAGAAGTGGACGGGAGGGGCCAT  
ATATGATTCTGGGGTCCAAATGCAGCTGCAGTAG