

## IDENTIFICATION

**Species:** *Brachypodium stacei*

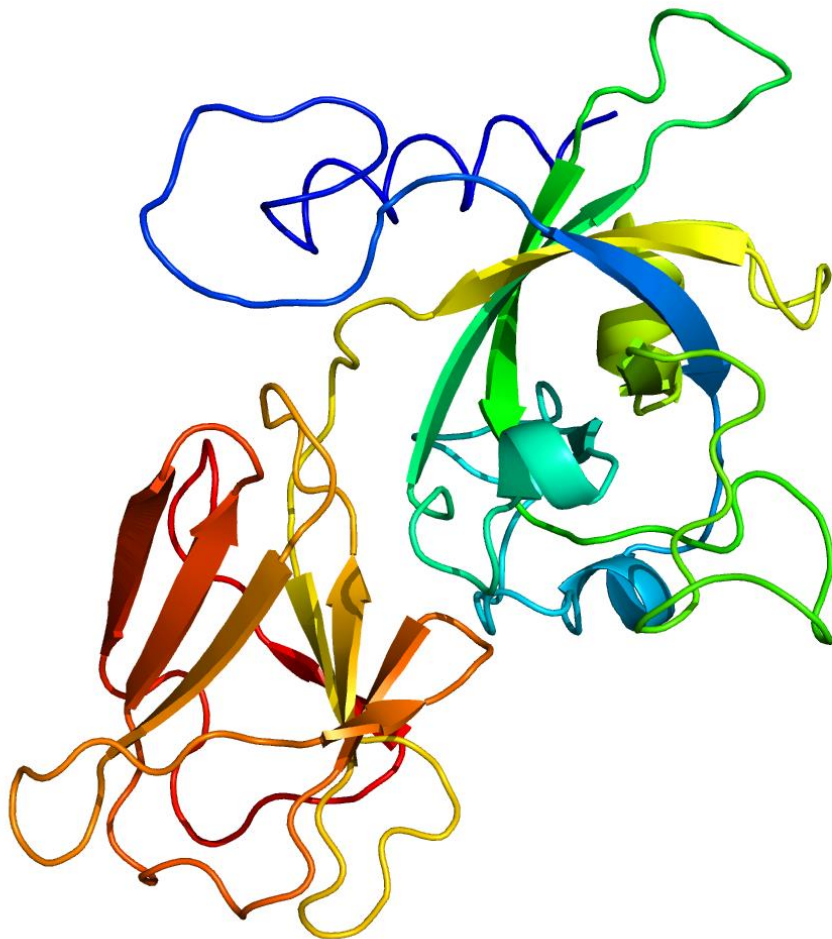
**Locus:** Brast09G182900

**Gene Model:** Brast09G182900.1.p

**Description:** BstEXPA-31

**Family:** Alpha Expansin

**3D structure:**



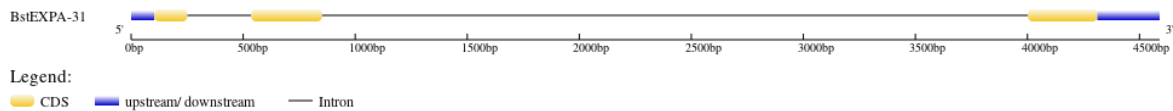
## GENOME DATABASES

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

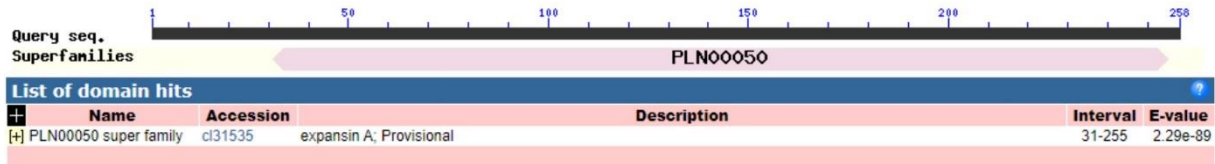
## EXTERNAL RESOURCES

<https://brachypodium.org/>

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>BstEXPA-31

MAPPLLLVLFLLPALAAGHQHPSSYGSSALSEWRPAKASYAAADPEDAIGGACGFGD  
LGKHGYGMATVGLSTALFDRGASCGGCYEVKCVEDLKYCLPGTSHIVTATNFCPPNY  
GFPADAGGVCNPPNHHFLLPIQAFEKIALWKAGVMPIQYRRVKCLRDGGVRFVSVGR  
SFFFTVLISNVGGAGDVSSVKIKGTESGWLMSGRNWGQIWHINLDRGQPVSFELTSS  
DGATLTDFAVPKNWEFGKTYTGKQFL\*

### CDS (coding sequence)

>BstEXPA-31

ATGGCTCCCCGCTCCTCCTCGTCCTCTTCCTCCTCCCGGCCCTCGCCGCCGGCCA  
CCAGCACCCGTCCTCCTACGGGTCCCTCCGCCCTCTCCGAATGGCGCCCCGCCAAG  
GCTTCTACTACGCCGCCGACCCCGAAGACGCCATCGGCGGGGCTTGCGGGTTCG  
GGGATCTGGGGAAGCACGGGTACGGAATGGCCACGGTGGGGCTGAGCACGGCTC  
TGTTGACCCGCGCGCGTCTGTCGGCGGCTGCTACGAGGTCAAGTGCCTGGAGG  
ATCTCAAGTATTGCCTCCCCGGCACCTCCATCATCGTCACGGCCACCAACTTCTGC  
CCCCAAACTACGGCTTCCCGGCTGACGCCGGCGGGCTCTGCAATCCGCCCAACC  
ACCATTTCTCCTCCCCATCCAGGCCTTCGAGAAGATTGCGCTCTGGAAGGCCGG  
CGTCATGCCATCCAGTACCGCCGCGTGAAGTGCCTTCGTGATGGCGGTGTGCGG  
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TGCTGGTGATGTAAGTTCAGTCAAGATCAAAGGAACAGAGTCTGGCTGGCTCTCA  
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CCAGTGTCTTCGAACTCACCTCAAGCGATGGTGGCAGCTGACAGATTCAGTG  
CTGTGCCCAAGAATTGGGAATTTGGCAAACATACTGGCAAGCAATTCCTGCT  
CTAG

### Nucleotide

>BstEXPA-31

CACTGGCCTTGACGGTCTACACTTCACCGTTCACACACTCTACCCAGGTTTCGCTT  
CACTCCATTCATTCACCTCACGCATACGGACGAACACCTGGGAGCCATGGCTCC  
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CGTCCTCCTACGGGTCCTCCGCCCTCTCCGAATGGCGCCCCGCCAAGGCTTCCTAC  
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