

## IDENTIFICATION

**Species:** *Brachypodium stacei*

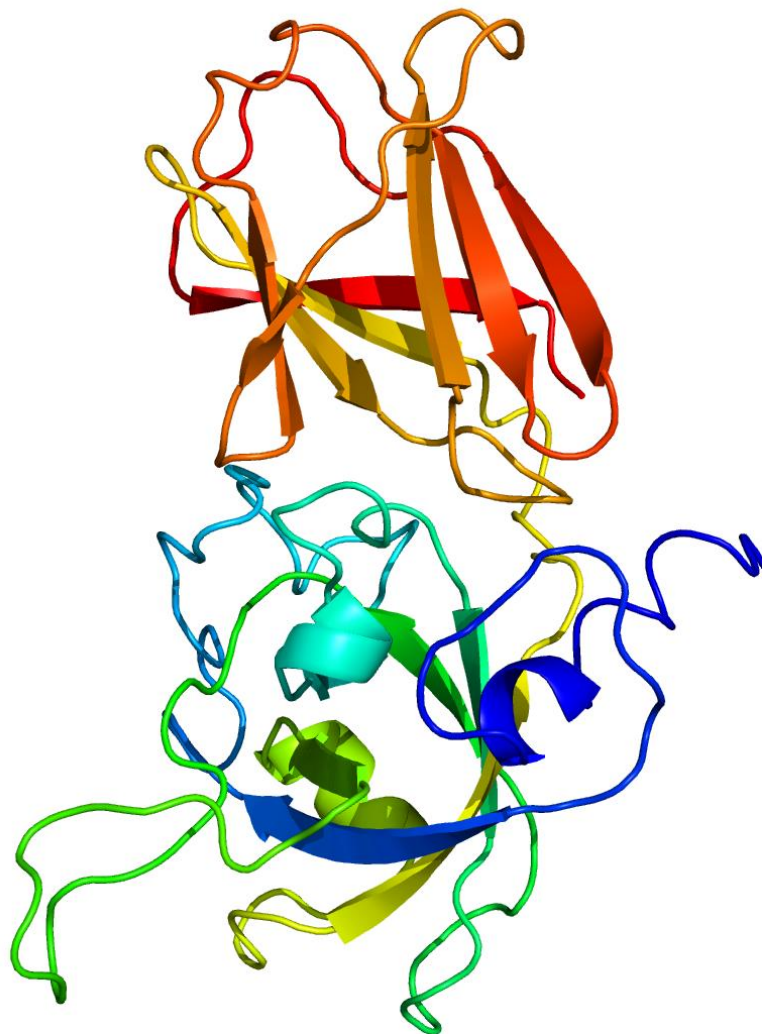
**Locus:** Brast01G299000

**Gene Model:** Brast01G299000.1.p

**Description:** BstEXPA-02

**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)

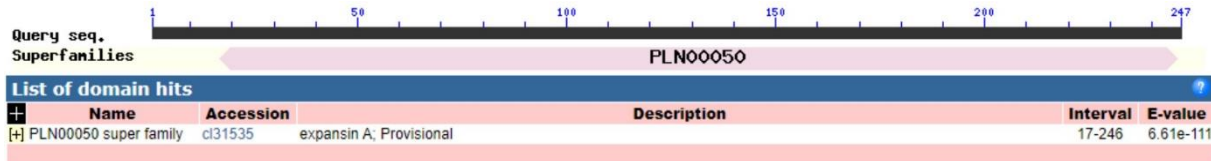
## EXTERNAL RESOURCES

<https://brachypodium.org/>

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>BstEXPA-02

MEFLGLLALAVAAMLGVVTGNDSSWSSGRATFYGGMDASGTMGGACGYGNIFSAG  
YGTNTAALSTALFNNGQSCGACFEVRCAGGSSCLSGSVVVTATNLCPPNYGLPNDGD  
GWCNPPQSHFDMAEPVFTKIAQFRAGVVPVQYRRVACVKQGGIRFTVTGHSYFNLV  
LIANVAGAGDLKAVWVKSPKTGWLPM SHNWGANWQNGAMLDGQPLSFRVTTSDD  
RTITSTNVAPAGWNFGQTYSGGQF\*

### CDS (coding sequence)

>BstEXPA-02

ATGGAGTTTCTAGGCTTGCTAGCTCTTGCTGTTGCCGCCATGCTGGGAGTCGTCAC  
TGGCAACGACTCATCCTGGAGCAGTGGCCGTGCCACGTTCTATGGCGGCATGGAT  
GCATCCGGGACAATGGGAGGAGCGTGTGGGTACGGCAACATATTCAGCGCAGGG  
TACGGGACGAACACGGCAGCGCTCAGCACGGCGTTGTTCAACAATGGGCAGAGC  
TGCGGCGCTTGCTTTGAGGTCCGTTGCGCCGGTGGGAGCAGCTGTCTATCGGGCT  
CCGTGGTCGTAACGGCCACCAATCTCTGCCCGCCAACTACGGGCTCCCAATGA  
TGACGGCGGATGGTGCAACCCACCGCAGTCGCACTTCGACATGGCTGAGCCCGTG  
TTCACAAAGATCGCCAATTCCGTGCCGGCGTTGTGCCCGTCCAGTACAGAAGGG  
TGGCTTGTGTCAAGCAGGGTGGCATCCGGTTCACCGTCACCGGCCACTCCTACTT  
CAACCTGGTGCTCATAGCCAATGTCGCCGGCGCCGGTGACCTGAAGGCAGTGTGG  
GTGAAGTCTCCCAAGACAGGGTGGCTGCCCATGAGCCACAACCTGGGGTGCTAACT  
GGCAGAATGGTGCCATGCTCGACGGCCAGCCACTGTCGTTCCGGGTCACCACGAG  
CGACGACCGAACCATCACCTCGACCAACGTAGCGCCTGCCGGCTGGAACCTTTGGC  
CAGACCTACTCCGGTGGCCAGTTCTAG

### Nucleotide

>BstEXPA-02

ATGGGGGGGAGAAATAACTGCTGGGCGAAAACCTGAATGCCTGATGCAGAAAAAT  
GGCAACTATCATGAAGGTA CTACTGCTGACTGCTTTCACCTATTAATTTTTCTACT  
GCAAGAAAATTGTCCAGCTTTGTTTTGTAGCAAAAAGAATAGATTAACAGGTGCT  
TCCTGCTCTTTACTTATAGTCGTAAACATATTAATTCCTTAGCTCATTACTCCATCA  
GATAGTGTGTGCTCGATCCTTTTCTTCTAGTTTTTAGGTTTAGCATCTTTGAGCATG

GTTGTACCATAACTACTAAAACCTTCAAACCCAGCATCTTTAAGCTAATTAGGAC  
TATTTCTCTTTTGACACCTTTTTCTCTTTTGATAGTGTGGTCGCTTTTGTTCATAGTT  
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CACTCAGCAAATTTCCAGCCTTCAGAGTGAAGCTACCATATGTTTACCTTGTAGA  
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CTCGTGGAAAGCAAACACTACCACATGAGACACTGGCTTAAATTTGAAGGGAGTT  
AGAAGTCAAATGAACTTGGTATTGGTGCCAGTGGCCAAAAGTAAAATGTATCC  
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CTCCTTGATAGATGAGAAGTCAAGGTCTTGTACAGTTTCTTATTAGAGATGATA  
GATTGATAGTACAGGTGCCCATTTGCCCATGTTTCCAGATAACTTTTTTACTGTCA  
ACTATTCCATGCCAAAATACTCCCTCCGATCCATAAAAAGTGTGCGCCACTTGGT  
ACAAAATAGGCGACGCTTTTTATGGATCGGAGGGAGTACCAGTTTTTTTTAGACGG  
AAAGACATCACTGCCCGGCTTTGTAGATAAATCCCCCGCCAAAATAATCATTAC  
TGACCATATATACAAACATATCTTTTCAGAAATGCTCCATTGTATCGCCGACAGG  
TGGGCCTGACCATTGCAATTTACAGCACTGAACATGTAGTAATACTATTATTA  
GCATAGGCATCCGTAGTTAAAGGTTTCTTAACAGAAGTAAGATTGATTCGTACAA  
CACTTTACTTCTCACGATTTTCATATACAGAGCATCCTGACGTACGCCTATATATAG  
GTAGCAGCTTCTGTTAGGATCCTCCACCCTATCCAGCATCTCTGTACTTGCAAGT  
CCAGGCGTTGAGGTAGCAAAGCCTAGTTGCTTAGCACTGTAAGTACATGGATGAA  
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CAACTGTTGAATGCTAGTACATGCAAACATGTTAGCTGATCCTTGTGATCGATGT  
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GACGAACACGGCAGCGCTCAGCACGGCGTTGTTCAACAATGGGCAGAGCTGCGG  
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GCTGCCCATGAGCCACAACCTGGGGTGCTAACTGGCAGAATGGTGCCATGCTCGAC  
GGCCAGCCACTGTCGTTCCGGGTACCACGAGCGACGACCGAACCATCACCTCGA  
CCAACGTAGCGCCTGCCGGCTGGAACCTTTGGCCAGACCTACTCCGGTGGCCAGTT  
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TCGCCGGAGGATGGCTCTGTTTTGAAGTGGCCATCCTCTCAGTGGCATAACTGCTT  
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AGAAAATTAAGTAATGGCTGGCAGTGGAGACGAGCACAAATGACTGGTCACCCGC  
CCATGGGATTAACCGATGGTTGTATCTTTGCATGCTAAAACCTAATGGAATGTGT  
TTGGGA