

## IDENTIFICATION

**Species:** *Brachypodium stacei*

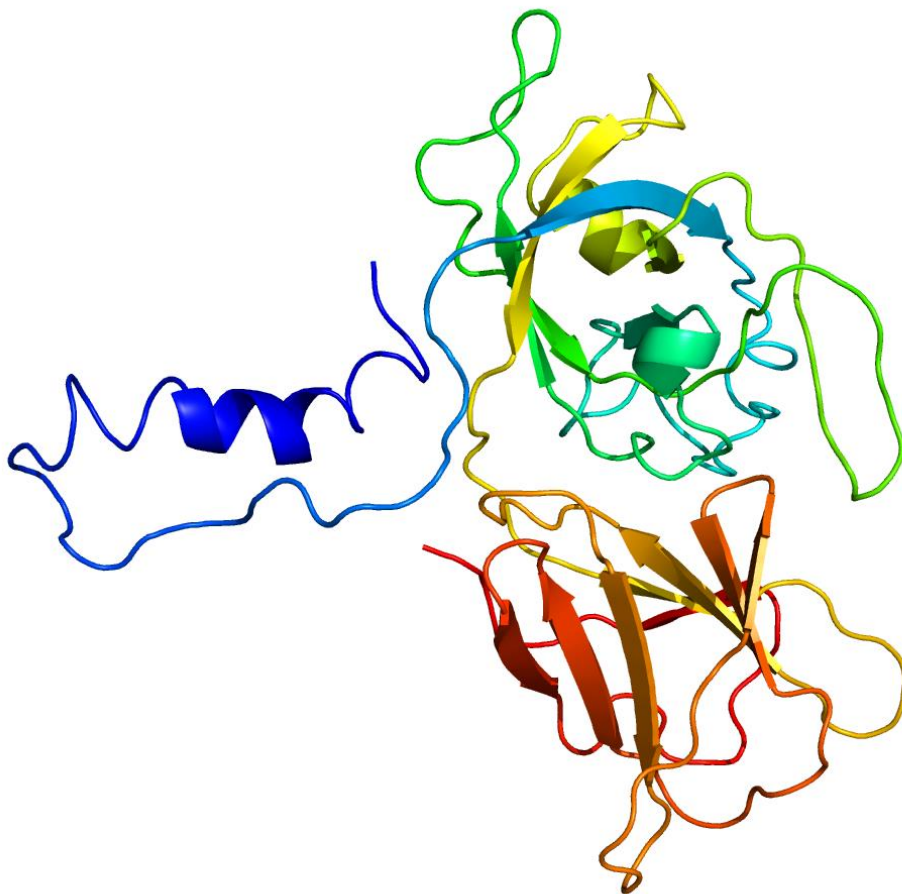
**Locus:** Brast03G308900

**Gene Model:** Brast03G308900.1.p

**Description:** BstEXPA-17

**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)

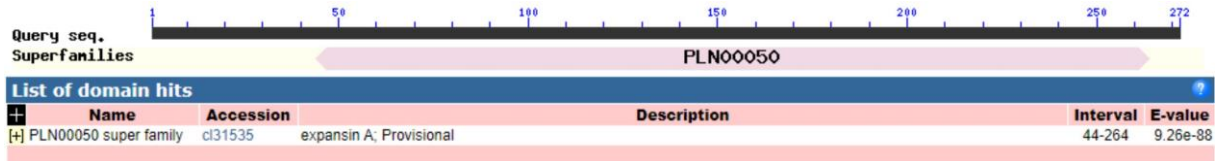
## EXTERNAL RESOURCES

<https://brachypodium.org/>

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>BstEXPA-17

MSGSWAPLLLVVVLVLLASAASNVTATGRARVHHNHGRFMEGPWRLAHATFYGDH  
DGYGTRAGACGYKDTVAEGYGLQTVALSMAMFNGGATCGACYEVRCTESPKWCK  
PGALPLIVTATNLCPPNYQQSGDNNGWCNPPREHFDLTMPAFFQIAEEKAGIVPISYR  
RVSCLKQGGIRYTITGNKYFNMVTVTNVGGAGDVVAMTVKGDDR.VKWTPLTRNW  
GQVWQTGEILVGESLTFR.VMTGDHRKATSWHVLPRDWQFGVTYQATKNFH\*

### CDS (coding sequence)

>BstEXPA-17

ATGTCTGGTTCGTGGGCGCCTCTCCTCCTCGTCGTCGTCCTGGTGCTGCTCGCCTC  
GGCGGCGAGCAATGTTACCGCCACCGGCAGGGCGAGGGTGCACCACAACCACGG  
CAGGTTTCATGGAGGGCCCGTGGCGGCTGGCCCACGCCACCTTCTATGGCGACCAC  
GATGGGTACGGGACGCGGGCCGGTGCCTGCGGGTACAAGGACACAGTGGCGGAA  
GGGTACGGCCTGCAGACGGTGGCGTTGAGCATGGCCATGTTCAACGGCGGGCGCA  
ACATGCGGGGCGTGCTATGAGGTGAGGTGCACGGAGAGCCCTAAGTGGTGCAAG  
CCCGGGGCTCTACCGTTGATCGTGACGGCGACGAACCTTTGCCCCCAAACCTACC  
AGCAGTCGGGTGACAACGGCGGGTGGTGAACCCGCCGCGAGAGCACTTTGACC  
TTACCATGCCTGCCTTCTTCCAGATCGCCGAGGAGAAGGCCGGCATTGTACCCAT  
CTCCTACCGCCGGGTGAGCTGTTTGAAACAGGGCGGGATCCGGTACACGATCACG  
GGGAACAAGTACTTCAACATGGTGACGGTGACAAACGTGGGCGGGGGCGGGGGAC  
GTGGTAGCAATGACGGTGAAGGGGGACGACCGAGTGAAGTGGACCCCGTTGACG  
CGGAACCTGGGGCCAGGTGTGGCAGACCGGGGAGATCCTCGTCGGCGAGTCGCTG  
ACATTCCGCGTGATGACCGGCGACCACCGCAAGGCCACCTCCTGGCACGTGCTCC  
CCCGCGACTGGCAGTTCGGCGTCACCTACCAGGCAACCAAGAACTTCCACTAG

### Nucleotide

>BstEXPA-17

TGATTAATAAATCGTTAGTGTATCATTGTAATTAGCTGTTGATTCATTCATGTCTG  
GTTCGTGGGCGCCTCTCCTCCTCGTCGTCGTCCTGGTGCTGCTCGCCTCGGCGGCG  
AGCAATGTTACCGCCACCGGCAGGGCGAGGGTGCACCACAACCACGGCAGGTTC  
ATGGAGGGCCCGTGGCGGCTGGCCCACGCCACCTTCTATGGCGACCACGATGGGT

ACGGGACGCGGGCCGGTGCGTGCGGGTACAAGGACACAGTGGCGGAAGGGTACG  
GCCTGCAGACGGTGGCGTTGAGCATGGCCATGTTCAACGGCGGGCGCAACATGCG  
GGGCGTGCTATGAGGTGAGGTGCACGGAGAGCCCTAAGTGGTGCAAGCCCGGGG  
CTCTACCGTTGATCGTGACGGCGACGAACCTTTGCCCCCAAACCTACCAGCAGTC  
GGGTGACAACGGCGGGTGGTGAACCCGCCGCGAGAGCACTTTGACCTTACCAT  
GCCTGCCTTCTTCCAGATCGCCGAGGAGAAGGCCGGCATTGTACCCATCTCCTAC  
CGCCGGTAGGTGACTAACATACACACCACACGCCTCTTAAATGGTTGGTGCATGA  
AACTCAATAAATAAATATCCTGCAGGGTGAAGCTGTTTGAACAGGGCGGGATCC  
GGTACACGATCACGGGGAACAAGTACTTCAACATGGTGACGGTGACAAACGTGG  
GCGGGGCGGGGGACGTGGTAGCAATGACGGTGAAGGGGGACGACCGAGTGAAG  
TGGACCCCGTTGACGCGGAACTGGGGCCAGGTGTGGCAGACCGGGGAGATCCTC  
GTCGGCGAGTCGCTGACATTCCGCGTGATGACCGGCGACCACCGCAAGGCCACCT  
CCTGGCACGTGCTCCCCCGGACTGGCAGTTCGGCGTACCTACCAGGCAACCAA  
GAACTTCCACTAGCTAACCCTCACGTACTATACCCCTTCTTCTCACGTCGCCATTG  
ACAACCATTTACCGAGACCGTGCATGCATGCATACAAGTTTGTAAAAACCATGT  
AAATTTGATGATGCTTTCATTCTCCGCTGCATGTGATCGATATGATCGATCGAATC  
ATGTTGTAAATCGAACGAGGCGTACAGGAAGAAACAAGCTGAATGAAAGCTAGG  
TGTCGTGTTATCTCCATCTGCGTGTGTGTGTATCTATATATATATTGACAG