

## IDENTIFICATION

**Species:** *Brachypodium stacei*

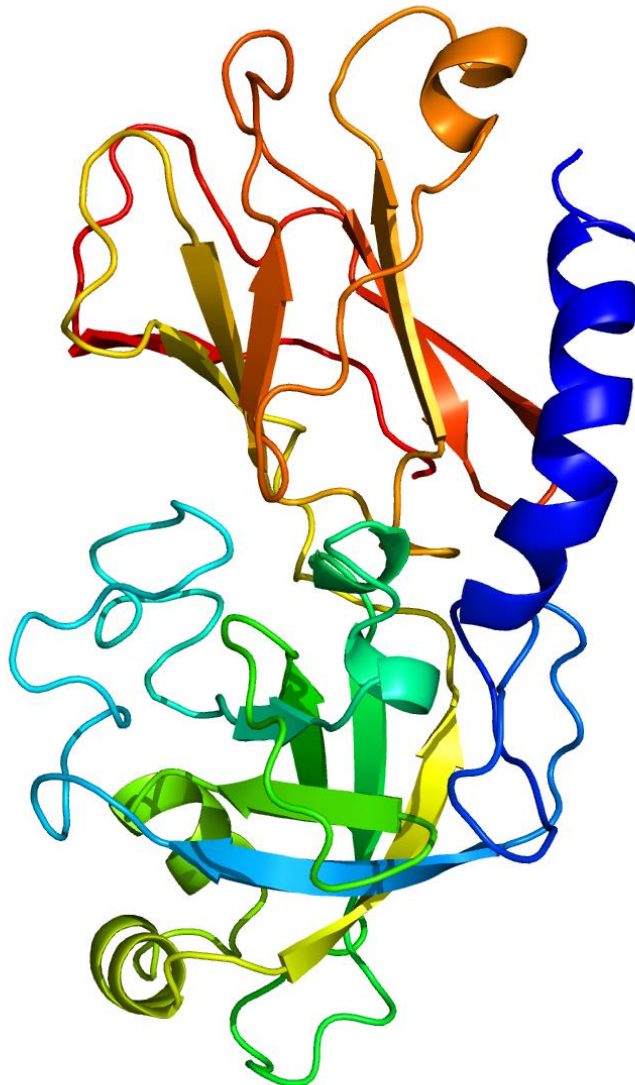
**Locus:** Brast03G195300

**Gene Model:** Brast03G195300.1.p

**Description:** BstEXPB-07

**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)

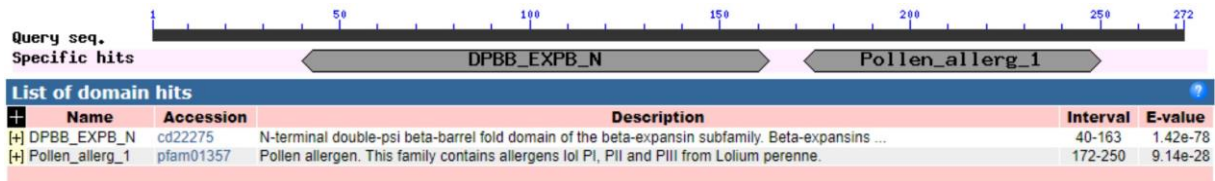
## EXTERNAL RESOURCES

<https://brachypodium.org/>

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>BstEXPB-07

MGLLSTNAIALVAVLSAVLVTSGHSSQQTSYDAARSYNSGWLPKATWYGAPTGAGP  
DDNGGACGYKFTNLYPFSSMTSCGNEPLFMDGAGCGTCFQIKCTSANNPACSGQPKT  
VMITDMNYYPVARYHFDSLGTAFGAMANNGQNDQLRHAGIIDMQFRRVACNYPGI  
NVIFHVEAGSNPMYLAVLILFANRDGNVVQMDVMESRYGGPTGYWMPMRRSWGAI  
WRLDSGHPLQGPFSLRIRSEFGATLVAHQALPADWKPDTNYWSNVQYS\*

### CDS (coding sequence)

>BstEXPB-07

ATGGGTCTTCTCTCCACCAATGCCATTGCCCTTGTGGCAGTCCTCTCGGCCGTGCT  
CGTCACCTCCGGTCATTTCGCAGCAGACCAGCTACGACGCCGCAAGATCCTACAAC  
TCCGGCTGGCTCCCCGCCAAGGCCACCTGGTACGGCGCCCCTACCGGCGCCGGCC  
CCGACGACAACGGTGGTGCATGCGGCTACAAGTTCACCAATCTGTACCCGTTCTC  
GTCCATGACCTCCTGCGGCAACGAGCCTCTGTTTCATGGATGGCGCGGGCTGCGGC  
ACCTGCTTCCAGATCAAATGCACCAGCGCCAACAACCCTGCCTGCTCCGGCCAGC  
CGAAGACGGTCATGATCACGGACATGAACTACTACCCCGTGGCCAGGTACCACTT  
CGACCTCAGCGGCACGGCTTTCGGCGCCATGGCGAACAACGGGCAGAACGACCA  
GCTCCGCCACGCCGCATCATCGACATGCAGTTCAGGAGGGTGGCATGCAACTAC  
CCGGGGATAAACGTGATCTTCCACGTGGAGGGCCGGGTTCGAACCCGATGTACCTGG  
CGGTGCTCATCCTGTTTCGCGAACCGGGACGGGAACGTGGTGCAGATGGACGTCAT  
GGAGTCCAGGTACGGCGGGCCGACCGGGTACTGGATGCCGATGAGGCGGTCGTG  
GGGCGCCATCTGGAGGCTGGACTCGGGCCATCCGCTGCAGGGGCCCTTCTCCCTC  
CGCATCCGCAGCGAGTTCGGCGCCACGCTGGTCGCCACCAGGCCCTCCCGGCCG  
ACTGGAAGCCCGACACCAACTACTGGTCCAACGTCCAGTACAGTTGA

### Nucleotide

>BstEXPB-07

AGCACAAACAGGAATTTGGAGTAGCACTAGTGCCTACTACTCCAGCAATTAGA  
AGGTTTCGTATTTTGTAGTGTGCTGGTATGGGTCTTCTCTCCACCAATGCCATTGC  
CCTTGTGGCAGTCCTCTCGGCCGTGCTCGTCACCTCCGGTCATTTCGCAGCAGACCA

GCTACGACGCCGCAAGATCCTACAACCTCCGGCTGGCTCCCCGCCAAGGCCACCTG  
GTACGGCGCCCCCTACCGGCGCCGGCCCCGACGACAACGGTAATTAAGCGCGCAC  
GTGCATATATATATTTTCGGCGCCGGCTCATGCATGCATCACGCTTATTACAGTATA  
TGTTTGCATTACGTACGCAGTGCCCACTTATTAGTACTCTTACTGCATGCTCATAT  
ATAATGTTGGTCGATCTCGATGATATCCTCTGCTGCAGGTGGTGCATGCGGCTAC  
AAGTTCACCAATCTGTACCCGTTCTCGTCCATGACCTCCTGCGGCAACGAGCCTCT  
GTTTCATGGATGGCGCGGGCTGCGGCACCTGCTTCCAGATCAAATGCACCAGCGCC  
AACAAACCCTGCCTGCTCCGGCCAGCCGAAGACGGTCATGATCACGGACATGAACT  
ACTACCCCGTGGCCAGGTACCACTTCGACCTCAGCGGCACGGCTTTCGGCGCCAT  
GGCGAACAACGGGCAGAACGACCAGCTCCGCCACGCCGGCATCATCGACATGCA  
GTTTCAGGAGGGTGGCATGCAACTACCCGGGGATAAACGTGATCTTCCACGTGGA  
GGCCGGGTTCGAACCCGATGTACCTGGCGGTGCTCATCCTGTTTCGCGAACCCGGGAC  
GGGAACGTGGTGCAGATGGACGTCATGGAGTCCAGGTACGGCGGGCCGACCCGGG  
TACTGGATGCCGATGAGGCGGTTCGTGGGGCGCCATCTGGAGGCTGGACTCGGGC  
CATCCGCTGCAGGGGCCCTTCTCCCTCCGCATCCGCAGCGAGTTCGGCGCCACGC  
TGGTCGCCCACCAGGCCCTCCCGGCCGACTGGAAGCCCGACACCAACTACTGGTC  
CAACGTCCAGTACAGTTGATCATGTGTCATCGAGGCCGAGTTGCATTAATTGATT  
GATACAGTATCATGCTATGTACGTAGTGTTATCCATACCAAATTTACAAATTTAGT  
AGTAGTAGTAGTACGAGTCTACGATGGACCGACGGATTTCCACTAGGCTTACTTC  
CATGCAGGCATCTAAATTGTCGTTAATTGTGTGTCGTGGTGAAGATTATTTGTGGG  
GGATGGAAGGAGATGCAAGTGAGTTGTTTCCATGTGCATGCTACGCACGGCCACC  
ATCGCAGTTCCACCCATACCCGATCGAGTGTAATCAAATCAAGCTTAGAAATTAT  
GTATGATTCATATATGATTGATCGA