

## IDENTIFICATION

**Species:** *Brachypodium stacei*

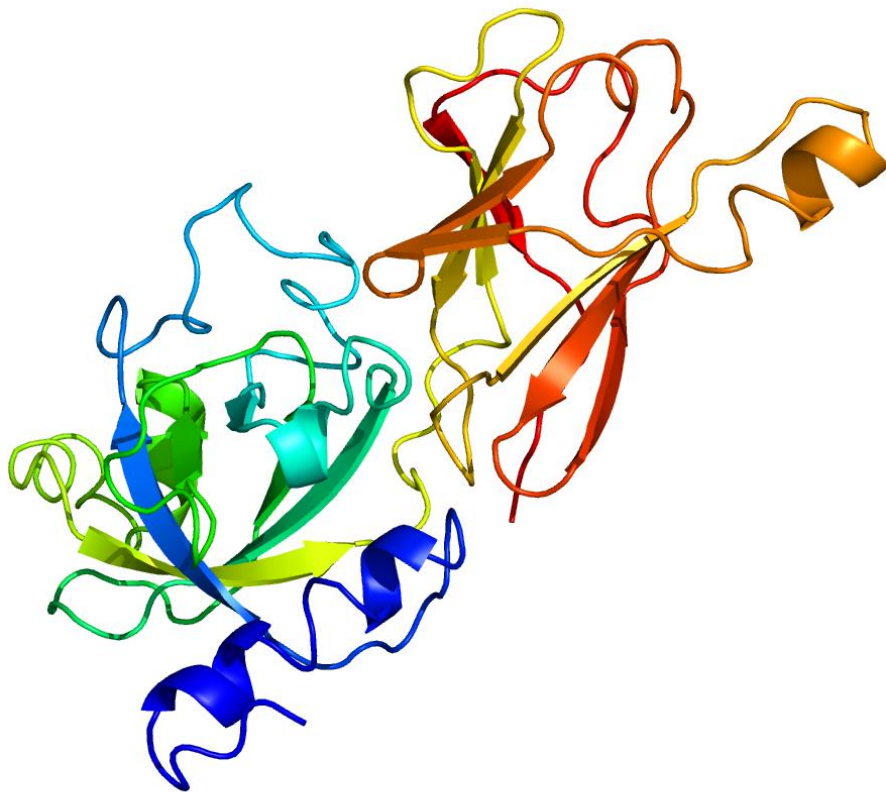
**Locus:** Brast09G165700

**Gene Model:** Brast09G165700.1.p

**Description:** BstEXPB-22

**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)

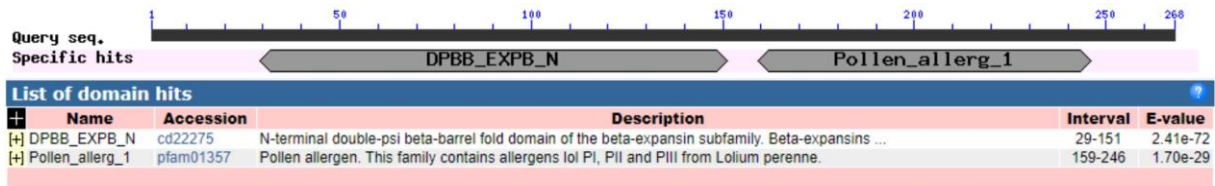
## EXTERNAL RESOURCES

<https://brachypodium.org/>

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>BstEXPB-22

MATPGTALSTTVILILSILSLLATSISCWSSGGATWYGSPYGAGSDGGACGYQGAVGQ  
RPFSSMIAAGGPSFFKNGKGCACGYQVKCTGNRACSGRPVKVVITDSCPGGVCAMG  
AHFDMSGTAFGAMANPGMADRLRSAGELRIHYARVPCKYNGMNVAFKVDAGSNPY  
YLAVLVMYQAGDGLSSVEIMQGGCRAGQHGRNGEPWRRMQHSWGATWFLNSND  
GKPLRAPFSFRLTSGSGKVLEATNAIPAGWRAGTSYRSSVNYAS\*

### CDS (coding sequence)

>BstEXPB-22

ATGGCTACTCCAGGCACTGCGCTATCCACGACAGTGATCCTCATCCTGTCAATCCT  
ATCACTTCTTGCAACCTCCATCTCTTGCTGGTCCTCGGGCGGCGACGTGGTACG  
GGAGCCCTTACGGCGCCGGCAGCGACGGTGGCGCGTGTGGTTATCAAGGCGCCG  
TCGGCCAGCGCCATTCTCGTCGATGATCGCCGCCGGGGGGCCCTCCTTCTTCAA  
GAACGGCAAAGGCTGCGGTGCATGCTATCAGGTTAAGTGCACCGGTAACAGGGC  
CTGCTCCGGTTCGCCCGGTGAAGTTCGTCATCACCGACTCCTGCCCGGCGGCGTC  
TGCGCCATGGGGGCGCACTTCGACATGAGCGGCACCGCCTTCGGCGCCATGGCCA  
ACCCCGGGATGGCCGACCGCCTCCGCTCAGCCGGAGAACTCAGGATCCATTACGC  
CAGGGTGCCGTGCAAGTACAACGGCATGAACGTCGCGTTCAAGGTGGACGCGGG  
CTCCAACCCGTAACCTCGCCGTGCTGGTGTATGACCAGGCAGGCGACGGGGAC  
CTCTCGTCCGTGGAGATCATGCAGGGCGGCTGCAGGGCCGGACAGCACGGCAGG  
AACGGCGAGCCGTGGAGGAGGATGCAGCACTCGTGGGGCGCCACGTGGTTCTC  
AACTCCAACGACGGGAAGCCCCTGCGCGCCCCGTTCTCGTTCCGGCTCACCTCGG  
GCTCCGGCAAGGTGCTCGAAGCCACCAACGCCATCCCCGCCGGCTGGAGGGCCG  
GGACGTCCTACCGCTCCTCGGTCAACTACGCCTCGTAA

### Nucleotide

>BstEXPB-22

AGTACTTCAAACAATCCTAAGAGCTAATAAGACACAAATTAACACAATAATCA  
ATGGCTACTCCAGGCACTGCGCTATCCACGACAGTGATCCTCATCCTGTCAATCCT  
ATCACTTCTTGCAACCTCCATCTCTTGCTGGTCCTCGGGCGGCGACGTGGTACG

GGAGCCCTTACGGCGCCGGCAGCGACGGTAAGTCCCCTCCACACGTACACATA  
TACGGAGTAATGATCAGTGCTGTGTATATAGAATTAGATTATAGATTGTCATCAG  
ATAGGAGACTTATTCGATCGATCTGCACTGCACGAACGAAATGCAGGTGGCGCGT  
GTGGTTATCAAGGCGCCGTCGGCCAGCGCCCATTCTCGTTCGATGATCGCCGCCGG  
GGGGCCCTCCTTCTTCAAGAACGGCAAAGGCTGCGGTGCATGCTATCAGGTTAAG  
TGCACCGGTAACAGGGCCTGCTCCGGTCGCCCGGTGAAGGTCGTCATCACCGACT  
CCTGCCCCGGCGGGCGTCTGCGCCATGGGGGCGCACTTCGACATGAGCGGCACCGC  
CTTCGGCGCCATGGCCAACCCCGGGATGGCCGACCGCCTCCGCTCAGCCGGAGAA  
CTCAGGATCCATTACGCCAGGTGAAATTGCAATCGAGTTCGGTTCGATCACCAAAT  
TAACGATTGCAGTAAAGTTGGAGACGCGCGTGCTAACATTGGAGTGCTTTTTTCC  
CTCTCAGGGTGCCGTGCAAGTACAACGGCATGAACGTCGCGTTCAAGGTGGACGC  
GGGCTCCAACCCGTAACCTCGCCGTGCTGGTGATGTACCAGGCAGGCGACGGG  
GACCTCTCGTCCGTGGAGATCATGCAGGGCGGCTGCAGGGCCGGACAGCACGGC  
AGGAACGGCGAGCCGTGGAGGAGGATGCAGCACTCGTGGGGCGCCACGTGGTTC  
CTCAACTCCAACGACGGGAAGCCCCTGCGCGCCCCGTTCTCGTTCGGGCTCACCT  
CGGGCTCCGGCAAGGTGCTCGAAGCCACCAACGCCATCCCCGCCGGCTGGAGGG  
CCGGGACGTCCTACCGCTCCTCGGTCAACTACGCCTCGTAAGACGGTTGCAGGCT  
GATCTTTGAGTGTTTTAGATCTGTAGCTCTGCCGTTTGCAGTGAGCTCTTGCCGTG  
TCAAATGAACTCGGTCTCGGCTTGTGCCGTTGTGCGTCCGGGAACTGTGAGCGGC  
CGCGTTAGAAGAGGAGGAGGGGGTCAAGTGTTTTGTAATGCGTGCTCCTCCAGGC  
CTCTCCACGGCCACTGGCTTGCAGTTATTTCCCTAGTGACGTCTCTTTTCTACT  
CGTGACGTCTCTCACCTGTCTGAAGTGGTTTTTACCGCCTACGTGTTATGGTTTTG  
TCCACTGGCTTGTCATGCCGGCACGCCATGTTAGGATACATTTTGTTGACTAACTA  
GGCTATTTGTGTTTACTGTCCAAACATGAATCTACAACAAATTTATGGTTGATTTT  
TGTTTATGTCCAAACATGAATCTACAACAAAAG