

## IDENTIFICATION

**Species:** *Brachypodium stacei*

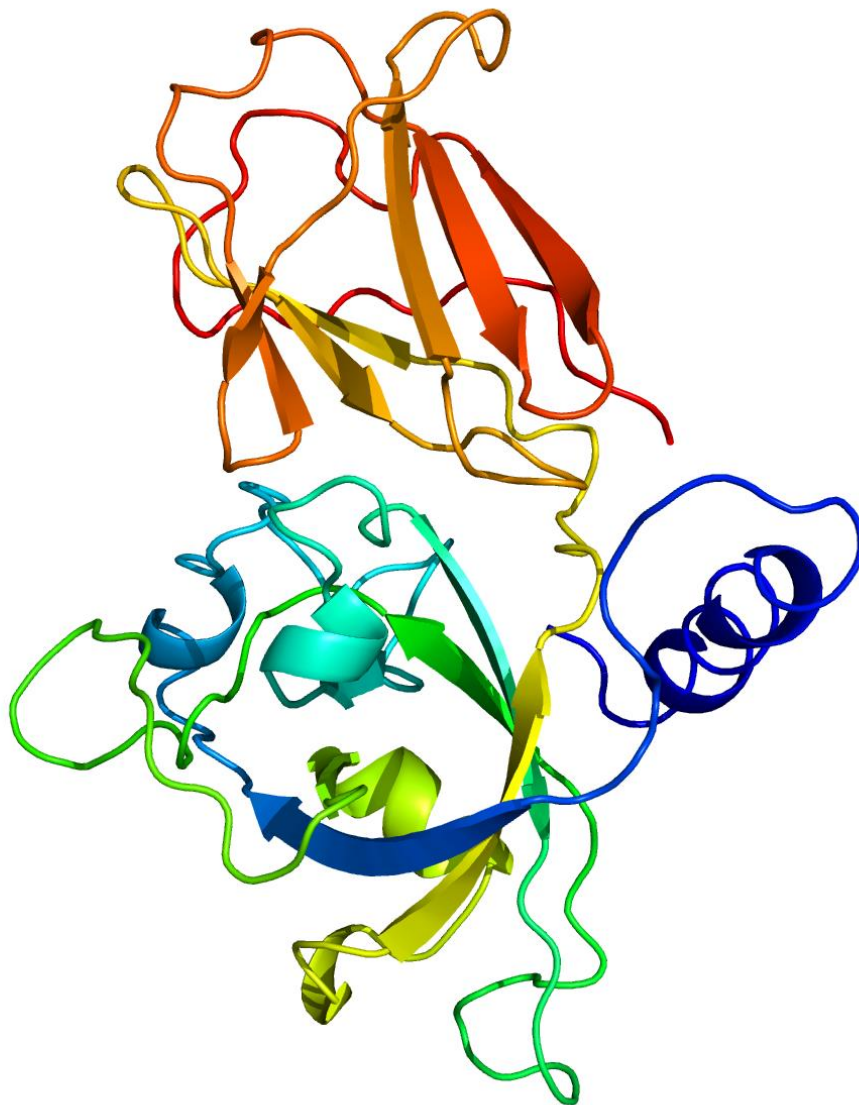
**Locus:** Brast03G134600

**Gene Model:** Brast03G134600.1.p

**Description:** BstEXPA-15

**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)

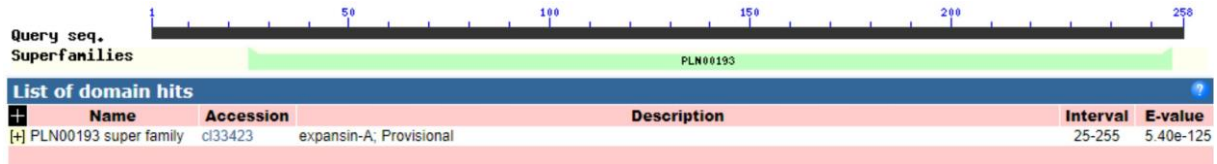
## EXTERNAL RESOURCES

<https://brachypodium.org/>

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>BstEXPA-15

MTMEASKSLAFLAVVVAALFLAPASAGWSQGSATFYGGSDASGTMGGACGYGNL  
YLTGYGKSTAALSVAMFSDGASCQCYQISCDYQANPQWCRQGATVTVTATNLCPA  
NYALPSNNGGWCNPPRAHFDMAQPAWLQIGVYEGGYIPVLYQRVPCVKQGGVRF  
VTGKNYFELVLVSNVGGSGSVQAMWAKSANTGQVAMSRNWGANWQCLAGLVGQ  
AITFGVTTTGGQTIVFQNVVPASWSFGMSFISNLQFTY\*

### CDS (coding hits sequence)

>BstEXPA-15

ATGACAATGGAGGCGTCCAAATCTCTAGCCGCCTTCCTCGCCGTCGTCGTGGCCG  
CGCTGTTCCCTCGCGCCGGCCTCCGCTGGCTGGTCCCAGGGCTCCGCCACGTTCTAC  
GGAGGCAGCGACGCCTCCGGCACCATGGGCGGCGCGTGCGGGTACGGCAACCTG  
TACTTGACGGGGTACGGGAAGAGCACGGCGGCGCTGAGCGTGGCGATGTTTCAGC  
GACGGCGCGTCGTGCGGGCAGTGCTACCAGATCAGCTGCGACTACCAGGCCAAC  
CCGCAGTGGTGCCGGCAGGGCGCCACGGTCACCGTCACGGCAACCAACCTCTGCC  
CGGCCAACTACGCGCTCCCCAGCAACAACGGCGGCTGGTGAACCCGCCGCGGG  
CGCACTTTGACATGGCGCAGCCCGCGTGGCTCCAGATCGGGGTCTACGAGGGCGG  
CTACATCCCGGTGCTCTACCAGCGGGTGCCCTGCGTGAAGCAGGGCGGGGTGCGC  
TTCACCGTGACGGGGAAGAACTACTTCGAGCTGGTGCTCGTCAGCAACGTCGGCG  
GGAGCGGGTCCGTGCAGGCAATGTGGGCCAAGAGCGCAAACACGGGGCAGGTGG  
CCATGAGCAGGAACCTGGGGCGCCAACTGGCAGTGCCTGGCCGGGCTCGTTGGCC  
AGGCCATCACCTTCGGCGTCACCACCACCGGCGGCCAGACCATCGTCTTCCAGAA  
CGTCGTGCCTGCCAGCTGGAGCTTCGGCATGTCCTTCATCAGCAACCTGCAGTTC  
ACCTACTGA

### Nucleotide

>BstEXPA-15

GAACAGACACCATGACAATGGAGGCGTCCAAATCTCTAGCCGCCTTCCTCGCCGT  
CGTCGTGGCCGCGCTGTTCCCTCGCGCCGGCCTCCGCTGGCTGGTCCCAGGGCTCC  
GCCACGTTCTACGGAGGCAGCGACGCCTCCGGCACCATGGGTACGTCATAACTAA

TCCACGCTGCACCATGCCGTCCTCGGCCGATGTATTAGCACTCATGAAACGTTTCT  
TGGTTACCGCGCGCATGTGTACTTGCATTGATGTCTGTCTATATATGTCTAGGCGG  
CGCGTGCGGGTACGGCAACCTGTACTTGACGGGGTACGGGAAGAGCACGGCGGC  
GCTGAGCGTGGCGATGTTTCAGCGACGGCGCGTCGTGCGGGCAGTGCTACCAGATC  
AGCTGCGACTACCAGGCCAACCCGCAGTGGTGCCGGCAGGGCGCCACGGTCACC  
GTCACGGCAACCAACCTCTGCCCGGCCAACTACGCGCTCCCCAGCAACAACGGCG  
GCTGGTGCAACCCGCCGCGGGCGCACTTTGACATGGCGCAGCCCGCGTGGCTCCA  
GATCGGGGTCTACGAGGGCGGCTACATCCCGGTGCTCTACCAGCGGGTGCCCTGC  
GTGAAGCAGGGCGGGGTGCGCTTCACCGTGACGGGGAAGAACTACTTCGAGCTG  
GTGCTCGTCAGCAACGTTCGGCGGGAGCGGGTCCGTGCAGGCAATGTGGGCCAAG  
AGCGCAAACACGGGGCAGGTGGCCATGAGCAGGAACTGGGGCGCCAACTGGCAG  
TGCCTGGCCGGGCTCGTTGGCCAGGCCATCACCTTCGGCGTCACCACCACCGGCG  
GCCAGACCATCGTCTTCCAGAACGTCGTGCCTGCCAGCTGGAGCTTCGGCATGTC  
CTTCATCAGCAACCTGCAGTTCACCTACTGACCACGGACACGTATTACGTACGTA  
CTGGAGTAGATGGGACGGTATATCATATCCGTACCGCCCGGGACTTGGTACTACT  
CGGTAGGGGATCGAGAACAGAGAGCTTCGGCTGCTAGTCTGATAGTGCTCATTTT  
TGTGGTGCTGATTTTCTGTGGGTGATTTCACTAGTATATAGTACTCCTACCTAGTA  
CTCCCGTATAAAAAAATTCGAGAACTTTATTGATCC