

IDENTIFICATION

Species: *Brachypodium stacei*

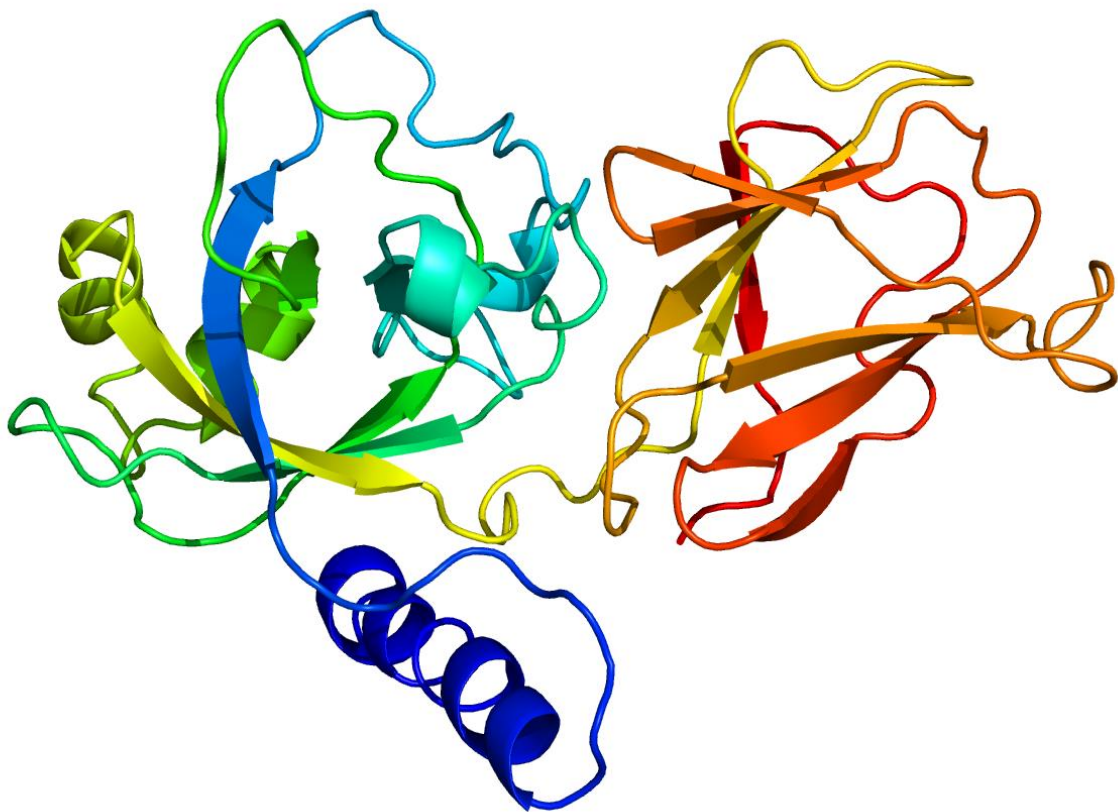
Locus: Brast05G252000

Gene Model: Brast05G252000.1.p

Description: BstEXPB-18

Family: Beta Expansin

3D structure:



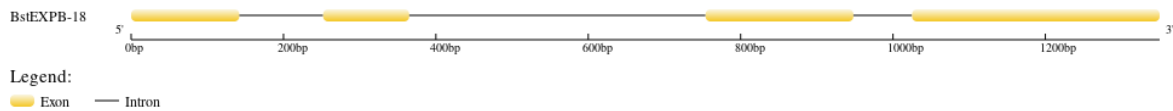
GENOME DATABASES

Phytozome: https://phytozome-next.jgi.doe.gov/info/Bstacei_v1_1

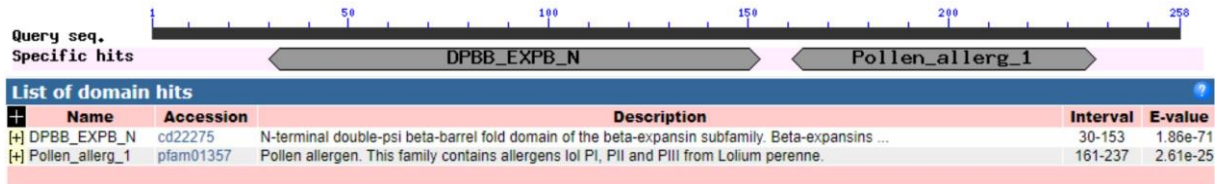
EXTERNAL RESOURCES

<https://brachypodium.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BstEXPB-18

MASWFSSVLAALASCCLLLLLHPCSCGWS DAGATWYGPANGAGTDGGACGYQD
DVEKPPFSAMITAGGPSLYQNGRGC GACYQVKCTGNPACSGSPVTVVVTDRCPGGP
CVAEPVHFDLSGRAFGALAKPGQAGSLRNAGNIKVQYNRVACNWHGEDVAFRVDA
GSNANYLAVLVEDEGGDGLAAVELQQSGGGAGGGWALMQWSWGATWRYNGTL
QAPISIRLTSSSGRKLVAADVISGGWQPGR TYRSLVNF*

CDS (coding sequence)

>BstEXPB-18

ATGGCTTCTTGGTTTTCTTCCGTGTTGGCGGCGGCTCTAGCCAGCTGCTGCTGCCT
CCTCTTGCTGCTCCACCCGTGTAGCTGTGGCTGGTCCGACGCCGGCGCCACGTGG
TACGGCCCCGCCAACGGCGCCGGCACCGACGGTGGTGC GTGCGGGTACCAGGAC
GACGTGGAGAAGCCGCCGTTCTCCGCCATGATCACCGCCGGCGGCCCTCCCTCT
ACCAGAACGGCAGGGGCTGCGGCGCATGCTACCAGGTGAAATGCACGGGCAACC
CGGCCTGCTCCGGCAGCCCGGTGACGGTGGTGGT GACGGACCGGTGCCCGGCG
GGCCGTGCGTCGCCGAGCCCGTCCACTTCGACCTCAGCGGCAGGGCCTTCGGCGC
CTTGGCCAAGCCCGGCCAGGCCGGCAGCCTCCGCAACGCCGGCAACATCAAAGT
CCAATAACAACAGGGTGGCGTGCAACTGGCACGGGGAGGACGTGGCCTTCAGGGT
GGACGCGGGGTCGAACGCGAACTACCTGGCGGTGCTGGTGGAGGACGAGGGCGG
CGATGGCGACCTGGCGGCGGTGGAGCTCCAGCAGAGCGGCGGCGGCGCCGGCGG
GGGGTGGGCCCTGATGCAGTGGTCTGGGGCGCCACGTGGAGGTACAACGGCAC
GCTGCAGGCGCCATCTCCATCCGGCTCACGTCCAGCTCCGGCAGGAAGCTCGTC
GCCGCCGACGTCATCTCCGGCGGCTGGCAGCCGGCCGCACCTACCGCTCCCTCG
TCAACTTCTGA

Nucleotide

>BstEXPB-18

ATGGCTTCTTGGTTTTCTTCCGTGTTGGCGGCGGCTCTAGCCAGCTGCTGCTGCCT
CCTCTTGCTGCTCCACCCGTGTAGCTGTGGCTGGTCCGACGCCGGCGCCACGTGG
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GAGATCTAGCTATATCCAGTTTTGTCGAGTACTGAGTACTGACACGGCGACACG
TGCATGCATGCATGTACGTAACGTAACGTAGGTGGTGCGTGCGGGTACCAGGACG
ACGTGGAGAAGCCGCCGTTCTCCGCCATGATCACCGCCGGCGGCCCTCCCTCTA
CCAGAACGGCAGGGGCTGCGGCCGATGCTACCAGGTGCCGTTATCACTCTTGAC
TCACTTCGATACATAAAAAGTGTGTCGTC AATTTTTG TACTTCCTCCGTTCAATATTAA
TTGACTTTCTATTACATGTATTTAAACGTTTTTTAATATAGATACATTCATTTGGG
GAAAATTTGAGTAACTTAATATGTAACGGAAACAATACTAAGTTAGTATAAATTA
ATTTAATTTTTGTACTAAATGAAGACATTTTTTCGGAGGGAGTACTCCCTCCGTT
CATAATTTCTTGCTTTAACTTGTTCTAAAATGGATATATCTATTTCTAAAAAACG
TCTAGATACATGTAAGATTTTCGACGAGAAATATGAAACGGAGGTAGTATTACTTA
TGTGAGAATCCATTCGATCTTGTGTACGTCCAGGTGAAATGCACGGGCAACCCGG
CCTGCTCCGGCAGCCCGGTGACGGTGGTGGTGACGGACCGGTGCCCGGGCGGGC
CGTGCGTCGCCGAGCCCGTCCACTTCGACCTCAGCGGCAGGGCCTTCGGCGCCTT
GGCCAAGCCCGGCCAGGCCGGCAGCCTCCGCAACGCCGGCAACATCAAAGTCCA
ATACAACAGGTA ACTAACTAAACCGGCCGTCATCTCCTCCA ACTCCGGCAGGGAA
TTAATTAAGCTCGATCGATCATCGTCGCAGGGTGGCGTGCAACTGGCACGGGGA
GGACGTGGCCTTCAGGGTGGACGCGGGGTGCAACGCGAACTACCTGGCGGTGCT
GGTGGAGGACGAGGGCGGCATGGCGACCTGGCGGCGGTGGAGCTCCAGCAGAG
CGGCGGCGGCGCCGGCGGGGGTGGGCCCTGATGCAGTGGTCCTGGGGCGCCAC
GTGGAGGTACAACGGCACGCTGCAGGCGCCCATCTCCATCCGGCTCACGTCCAGC
TCCGGCAGGAAGCTCGTCGCCGCCGACGTCATCTCCGGCGGCTGGCAGCCCGGCC
GCACCTACCGCTCCCTCGTCAACTTCTGA