

IDENTIFICATION

Species: *Brachypodium stacei*

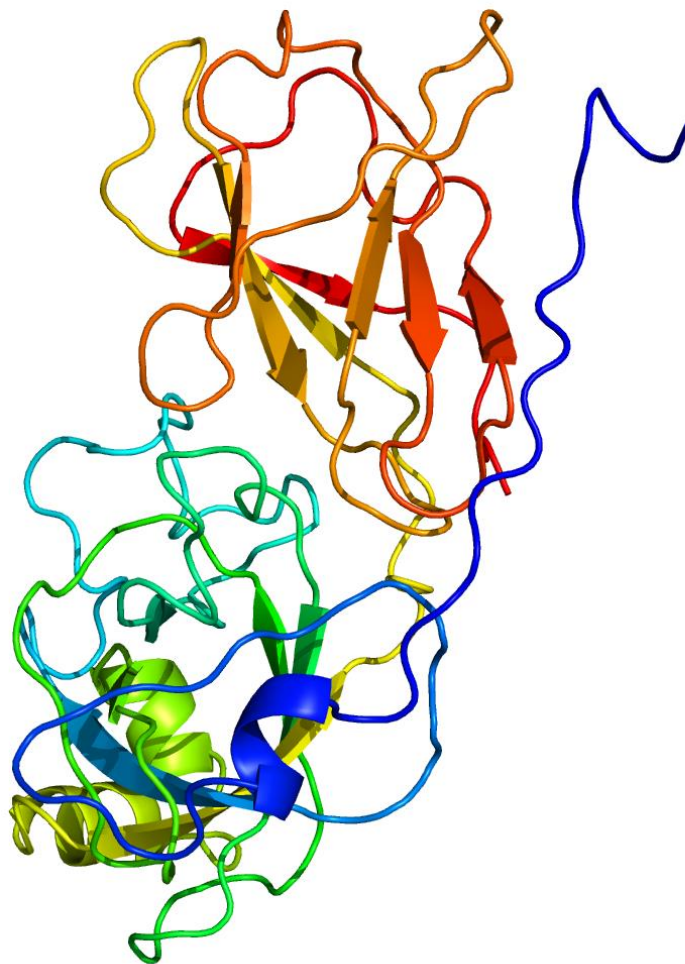
Locus: Brast09G151800

Gene Model: Brast09G151800.1.p

Description: BstEXPB-20

Family: Beta Expansin

3D structure:



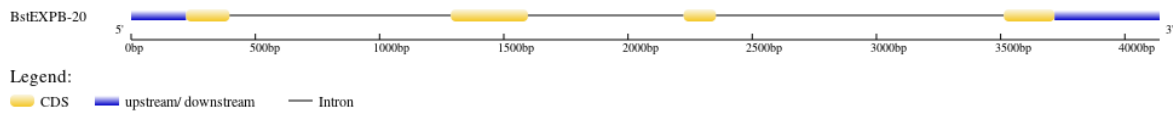
GENOME DATABASES

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

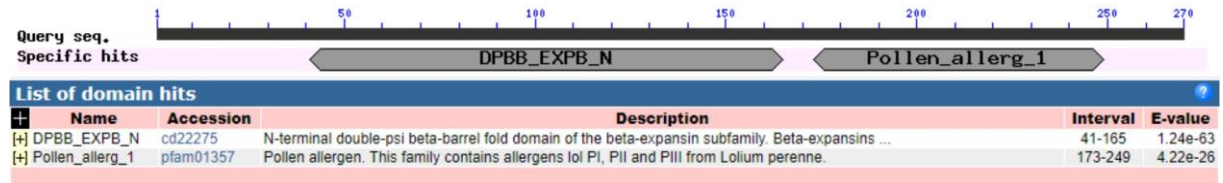
EXTERNAL RESOURCES

<https://brachypodium.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BstEXPB-20

MASSAPFLLCILLLASTASAAFLLDGGKSMKGPVNTTEWRPATATWYGDAEGDG
STGGACGYGTLVDVVPKARVGSVSPVLFKGGEGCGACYKVKCLDHGICSRRAVT
VIVTDECPGGGLCGSGNTHFDLSGAAFSRMAVAGAGHLRDRGQLKVYRRTACK
YGGKNIAFHVNEGSTNFWLSLLIEFEDGEGDIGSMQLKQASSAQWLDMKHVWGAT
WCLYGGPLAGPFSVRLTTLTSLAPKTLTARDVIPRNWAPRGTYTSRLNFEA

CDS (coding sequence)

>BstEXPB-20

ATGGCTTCCTCTGCCCCCTTCCTGCTCTGCATTCTGCTGCTCGCGTCCACCGCTTCG
GCCGATTCTTGCTGGACGGCGGGAAATCGATGGCCAAGGGCAAGCCGGCGGTC
AACACGGAGTGGCGGCCAGCCACCGCGACGTGGTACGGCGACGCCGAAGGCGAC
GGCAGCACCGGGGGCGCGTGC GGGTACGGGACGCTGGTGGACGTGGTGCCGATG
AAGGCGCGGGTGGGGTTCGGTGAGCCCGGTGCTGTTCAAGGGCGGGGAAGGGTGC
GGCGCGTGCTACAAGGTCAAGTGCCTCGACCACGGCATCTGCTCGCGCCGCGCAG
TCACGGTCATCGTCACCGACGAGTGCCCCGGCGGGCCTCTGCGGCTCCGGCAA
CACGCACTTCGACCTCAGCGGCGCCGCTTCAGCAGGATGGCCGTCGCCGGCGCC
GGCGCCACCTCCGCGACCGGGGCCAGCTCAAGGTGGTGTACAGACGGACTGCG
TGCAAGTACGGAGGGAAGAACATAGCCTTCCACGTGAACGAGGGCTCGACGAAC
TTCTGGCTCTCGCTGCTTATCGAGTTCGAGGACGGCGAGGGCGACATTGGGTCCA
TGCAGCTAAAGCAGGCGAGCTCGGCGCAGTGGCTGGACATGAAGCACGTGTGGG
GCGCCACGTGGTGCCTGTACGGGGGCCCTCTCGCGGGGGCCCTTCTCCGTGAGGCT
GACGACGCTGTCCGCCCCGAAGACGCTCACGGCCCGGGACGTCATCCCCAGGAA
CTGGGCCCCCAGAGGAACCTACACGTCCCGCCTCAACTTCGAGGCCTCTCTCTGA

Nucleotide

>BstEXPB-20

CAATCCCATTCCCCTGCTTTCCCCACTGTGTTGCCATTTGTACAGGGTAGCCAAC
CCGGCAACGAAGCTCTGAGCATCGGGGCTTGGGATTTCTCGAAGCCATAAAAGA
GACGGAGAGCCCCCAAAGAAGTCTACCAGCACGCTGTCCAAGCAGCCGCAGC

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CTTCGGCCGCATTCTTGCTGGACGGCGGGAAATCGATGGCCAAGGGCAAGCCGG
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TAGGGCCCAGCTGTACGCGAGCCCATCAGCGAGGGCGCTCCGTGCTTTACGATTC
GTGCCCCCAGGTTCTCAGTGCAGCGACCGGCCGAAGACGACCGGCCGTGCCAGG
CCTTCCAATAACTCCATTGCTCTGCTCGGTACCAACAAATGCGGAAATCGCTAAA
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