

IDENTIFICATION

Species: *Brachypodium stacei*

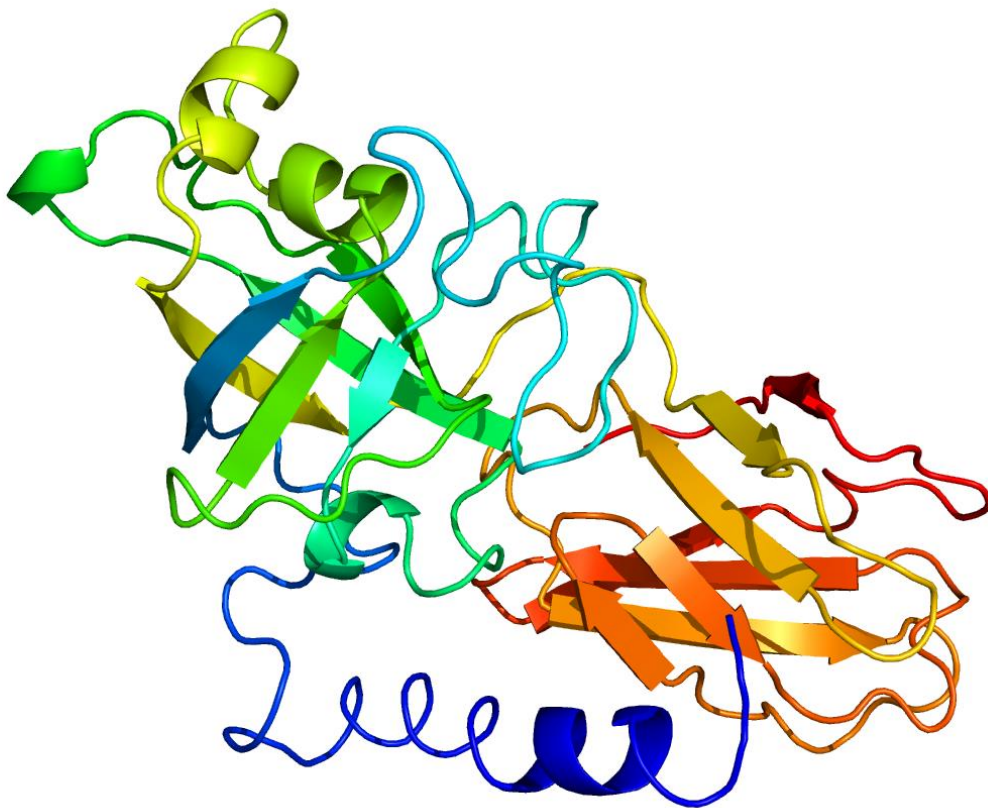
Locus: Brast03G195500

Gene Model: Brast03G195500.1.p

Description: BstEXPB-09

Family: Beta Expansin

3D structure:



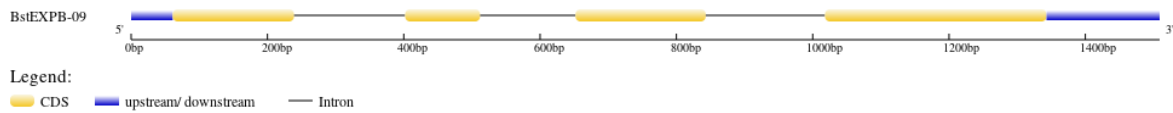
GENOME DATABASES

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

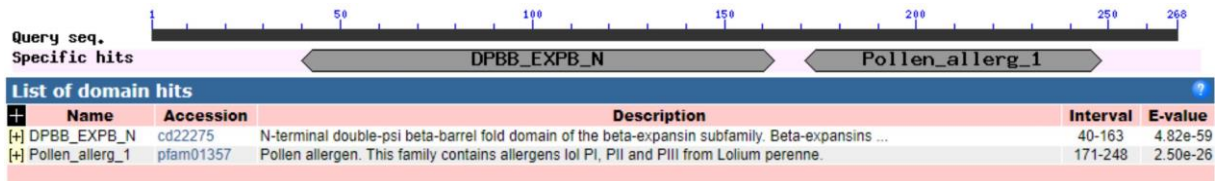
EXTERNAL RESOURCES

<https://brachypodium.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BstEXPB-09

MAGVFTGAVALVAILFSMLVNRSAAAGYYAASPARAYSSAWLPAKATWYGAPTGAG
PANGGGACAYSNNNLYPISSMNACGNQPLFMDGAGCGTCYEIKCDYKNNRACSGQP
KRVTITDMNYYNIAQYYFDLSGTAFGAMANYGQNDKLRRAGILDIQFRRVPCNYQG
MNINFRVERGSNPNYLAVLVQHANKDGNVVQMDLKDSGSYGSWTPMKRSWGAIW
RMDTGRPLKAPFSFRMRSEFGATKVAYQVIPANWKGGNNYWSNVQY*

CDS (coding sequence)

>BstEXPB-09

ATGGCTGGGGTTTTACCGGCGCCGTTGCCCTTGTGGCAATCCTCTTCTCCATGCT
TGTC AACGTTTCGGCGGCCGTTACTACGCCGCTCCCCCGCTAGAGCCTACAGC
TCTGCCTGGCTCCCCGCAAAGGCCACCTGGTACGGCGCCCCTACCGGCGCTGGCC
CCGCAAACGGCGGTGGTGCATGTGCCTACTCGAACAATAATCTGTACCCGATTTCT
GTCGATGAACGCATGCGGCAACCAGCCCCTGTTCATGGACGGCGCTGGCTGCGGC
ACCTGCTACGAGATAAAATGCGATTACAAGAACAACCGTGCCTGCTCCGGCCAGC
CGAAGAGGGTGACGATCACTGACATGAACTACAACAACATCGCCCAGTACTACTT
TGACCTCAGCGGCACGGCGTTCGGCGCCATGGCAAATTACGGACAGAACGACAA
GCTCCGCGCGCCGGCATCCTCGACATCCAGTTCAGGAGGGTGCCTTGCAACTAC
CAGGGGATGAACATCAACTTCCGCGTGGAGCGTGGCTCGAACCCGAACCTACCTG
GCGGTGCTCGTCCAGCACGCGAACAAGGACGGGAACGTGGTGCAGATGGACCTC
AAGGACTCCGGGTCGTATGGCTCCTGGACGCCGATGAAACGGTCGTGGGGTGCC
ATCTGGAGAATGGACACAGGGCGCCCCTGAAGGCCCTTCTCCTTCCGCATGC
GCAGCGAGTTCGGGGCCACGAAGGTGGCTACCAGGTCATTCCGGCCAACCTGGA
AGGGCGGCAACAACACTACTGGTCCAACGTTCACTACTAA

Nucleotide

>BstEXPB-09

GAGCTTTACTCCAGCAAGTACATAGCCTAGGTTTCGATCGTTTAGCTTATTGTAGTG
CCAACATGGCTGGGGTTTTACCGGCGCCGTTGCCCTTGTGGCAATCCTCTTCTCC
ATGCTTGTCAACCGTTTCGGCGGCCGTTACTACGCCGCTCCCCCGCTAGAGCCT

ACAGCTCTGCCTGGCTCCCCGCAAAGGCCACCTGGTACGGCGCCCCTACCGGCGC
TGGCCCCGCAAACGGCGGTACGCTAAGCTCATAGGTTTCCTGCCGATGATGGCGC
ACATGCTTGCATGTTATTTGCATGCATTAAGCATGCGTGCGAACTCGATCGTTTTT
TTTTAGAAATGCTTCCTGCATAACGCAGTGCGAACTTACTCATGCTCAACGTTGGT
CGACGATCCGCAGGTGGTGCATGTGCCTACTCGAACAATAATCTGTACCCGATTT
CGTCGATGAACGCATGCGGCAACCAGCCCCTGTTTCATGGACGGCGCTGGCTGCGG
CACCTGCTACGAGGTGGAGTAATATACTGTATATATATGCTGCAGTAGTTGCACG
TACTTCATCCAAGGATGGAGGAGTAGTAATTTTACGATGCCGATCACACTGTTAG
TGAAGGCCCTGCCTGCTGTACATGATTCTTCTTGTGTTTCAGATAAAATGCGATT
ACAAGAACAACCGTGCCTGCTCCGGCCAGCCGAAGAGGGTGACGATCACTGACA
TGAACTACAACAACATCGCCCAGTACTACTTTGACCTCAGCGGCACGGCGTTCCGG
CGCCATGGCAAATTACGGACAGAACGACAAGCTCCGCCGCGCCGGCATCCTCGA
CATCCAGTTCAGGAGGTCCGTAACACGTTTCTGACATAAGTCAATTCATTACTTCT
TCATCCTTGGTGAAACCTGATATGATCGAGTTGCCTAAAACAATCGCTCCTTCATG
GAATTTTTGGTTCTTGTGTCACTCGCAATCGATCTGACGCGTCGACTGCAATGCCA
TGCTTCACGTACATGCATGCAGGGTGCCTTGCAACTACCAGGGGATGAACATCAA
CTTCCGCGTGGAGCGTGGCTCGAACCCGAACTACCTGGCGGTGCTCGTCCAGCAC
GCGAACAAGGACGGGAACGTGGTGCAGATGGACCTCAAGGACTCCGGGTCGTAT
GGCTCCTGGACGCCGATGAAACGGTTCGTGGGGTGCCATCTGGAGAATGGACACA
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CGAAGGTGGCCTACCAGGTCATTCCGGCCA ACTGGAAGGGCGGCAACA ACTACT
GGTCCAACGTT CAGTACTAATTAGTCCGATTAAGGAAGATCGGTCAATTCCTTGG
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CCCTATCAGGGGCGGTGCC