

IDENTIFICATION

Species: *Brachypodium stacei*

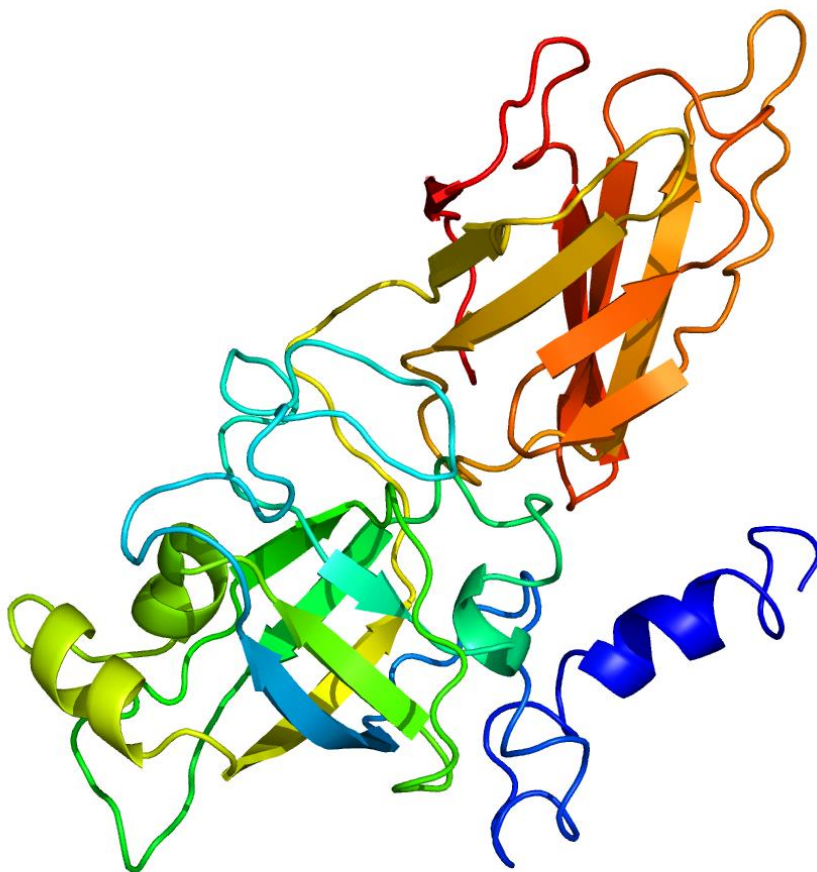
Locus: Brast03G195400

Gene Model: Brast03G195400.1.p

Description: BstEXPB-08

Family: Beta Expansin

3D structure:



GENOME DATABASES

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

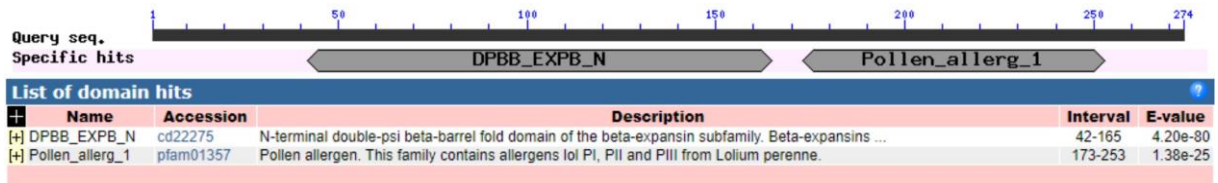
EXTERNAL RESOURCES

<https://brachypodium.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BstEXPB-08

MAGVSTNAVALVALLSAVLVSTGHSQVNYD TSAARSYNSGWLPAKATWYGAPTG
AGPDDNGGACGYKDTNQYPYSSMISCGNEPLFMGGAGCGTCYQIRCNYANNPACSG
QPRVTITDMNYYPVAKYHFDLSGTAFGAMANNGQNDQLRHAGIIDMQFRRVPCNY
PGMNVNFHVERGSNP NYLAVLVQHANRDGNIVLMEIMESRYGRPTGQWTAMRRSW
GAIWRRDTNYPMQGPFSLRIRSESGSTLVANQAIPADWKPNARYWSNIQYR*

CDS (coding sequence)

>BstEXPB-08

ATGGCTGGGGTCTCCACCAATGCCGTTGCCCTTGTGGCACTCCTCTCGGCCGTGCT
CGTCTCCACCGGCATTCGCAACAGGTCAACTACGACACCTCTGCCGCAAGATCC
TACAACTCAGGTTGGCTCCCCGCCAAGGCCACCTGGTACGGCGCCCCTACCGGCG
CCGGCCCCGACGACAACGGAGGTGCATGCGGCTACAAGGACACGAATCAGTACC
CGTACTCGTCCATGATTTTCGTGCGGCAACGAGCCCCTGTTCATGGGCGGGCGGG
CTGCGGCACCTGCTACCAGATACGATGCAATTACGCCAACAACCCTGCCTGCTCC
GGCCAGCCGAGGACGGTGACGATACCGACATGAACTACTACCCCGTGGCCAAG
TACCACTTCGACCTCAGCGGGACGGCGTTCGGCGCCATGGCGAATAACGGGCAG
AACGACCAGCTCCGCCACGCGGGCATCATCGACATGCAGTTCAGGAGGGTGCCA
TGCAACTACCCGGGGATGAACGTGAACTTCCACGTGGAGCGCGGGTCAACCCG
AACTACCTGGCGGTGCTGGTGCAGCACGCGAACC GGGACGGGAACATTGTGCTG
ATGGAGATCATGGAGTCCAGGTACGGCCGCCGACTGGGCAGTGGACGGCGATG
AGGCGCTCCTGGGGCGCCATCTGGAGGAGGGACACCAACTACCCGATGCAGGGG
CCATTCTCCCTCCGCATCCGCAGCGAGTCCGGCAGCACGCTGGTGGCCAACCAGG
CCATCCCTGCCGACTGGAAGCCCAACGCTAGGTACTGGTCAAATATCCAGTATCG
TTGA

Nucleotide

>BstEXPB-08

AACACAAAAGGGGGTCTGGGCTTAGGGCGGGGAGTACTACTACTCCACCA
GGTGCCGTTAGCTACTACTTGTACGTAGTGCCGGTATGGCTGGGGTCTCCACCA

ATGCCGTTGCCCTTGTGGCACTCCTCTCGGCCGTGCTCGTCTCCACCGGCCATTCCG
CAACAGGTCAACTACGACACCTCTGCCGCAAGATCCTACAACCTCAGGTTGGCTCC
CCGCCAAGGCCACCTGGTACGGCGCCCCTACCGGCGCCGGCCCCGACGACAACG
GTAAGCAGGCGCATATATGTTCCCTTGACACAGCTTAGGGCGACATATTACACTG
TGCCAAGTTAATGTTGGTCGATCGATCTGCAGGAGGTGCATGCGGCTACAAGGAC
ACGAATCAGTACCCGTACTCGTCCATGATTTTCGTGCGGCAACGAGCCCCTGTTCA
TGGGCGGCGCGGGCTGCGGCACCTGCTACCAGGTACTGCTACACAACCTATAACACA
CACTACGTGCTGCGTTAAATGCCCCATGCATGCGTGACGCCGACAATGTCAGTTA
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CGATGCTGATCACTTTATTGTACGCCCTGCATGCCATGTGCATGCAAGTAGTTACA
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ACGATGCAATTACGCCAACAACCCTGCCTGCTCCGGCCAGCCGAGGACGGTGAC
GATCACCGACATGAACTACTACCCCGTGGCCAAGTACCACTTCGACCTCAGCGGG
ACGGCGTTCGGCGCCATGGCGAATAACGGGCAGAACGACCAGCTCCGCCACGCG
GGCATCATCGACATGCAGTTCAGGAGGGTGCCATGCAACTACCCGGGGATGAAC
GTGAACTTCCACGTGGAGCGCGGGTCAACCCGAACTACCTGGCGGTGCTGGTGC
AGCACGCGAACCCGGGACGGGAACATTGTGCTGATGGAGATCATGGAGTCCAGGT
ACGGCCGCCCAGTGGGCAGTGGACGGCGATGAGGCGCTCCTGGGGCGCCATCT
GGAGGAGGGACACCAACTACCCGATGCAGGGGCCATTCTCCCTCCGCATCCGCA
GCGAGTCCGGCAGCACGCTGGTGGCCAACCAGGCCATCCCTGCCGACTGGAAGC
CCAACGCTAGGTACTGGTCAAATATCCAGTATCGTTGACCTCGATCCAGGCCGAG
CTGATTAATTCGGTGTGATGTGATCGATGCTAGCTAGTACTACCAAGTTACGATG
GATTACTACTACGGTTTACTTCTATATGCCTGCTAAGTGTACGTCGTCGTTAATTG
TTTGTGCTAGAAGATGTAGTATGTGTGTGGAGATGGAACGAGGCAAGTGGAGTA
GCATCCATGTGATCGATATTCCCGGCCACTGTTGTTGCAGTTCATACCTTCTCGA
GTGTAATCGAATTATCAGACTTATCAATTAATTCAAAGGGTTG