

IDENTIFICATION

Species: *Brachypodium stacei*

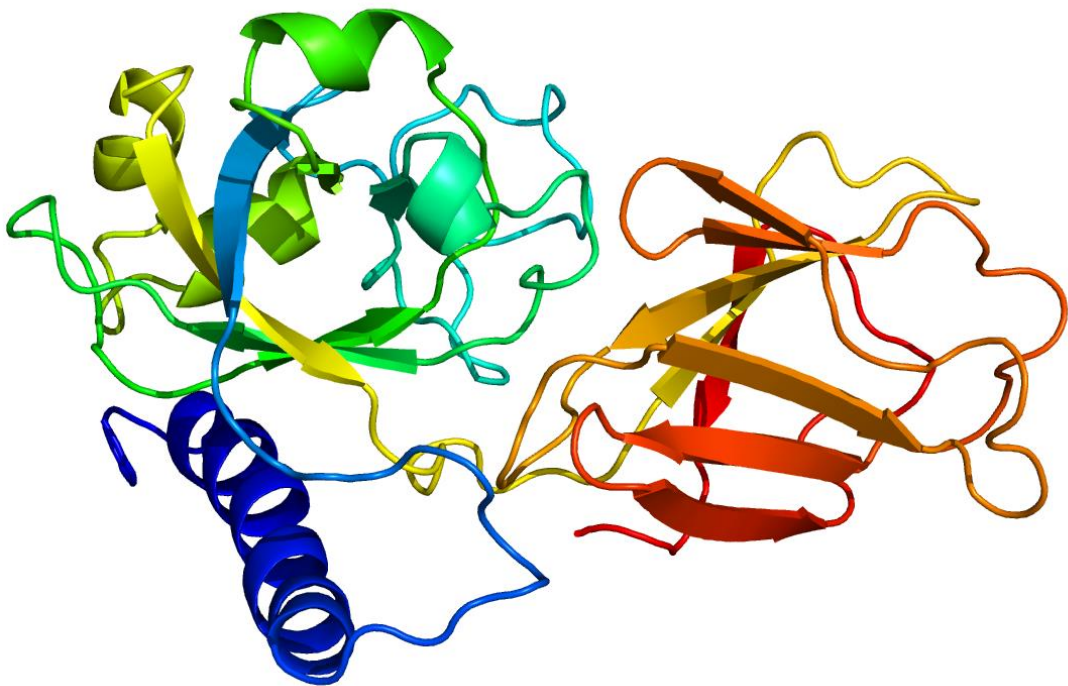
Locus: Brast04G115000

Gene Model: Brast04G115000.1.p

Description: BstEXPB-15

Family: Beta Expansin

3D structure:



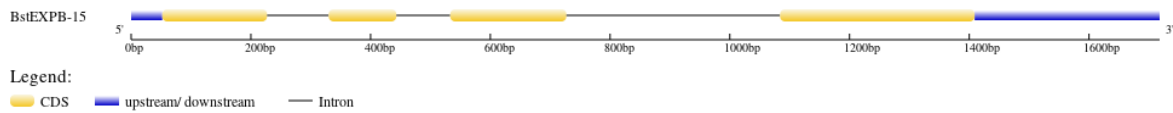
GENOME DATABASES

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

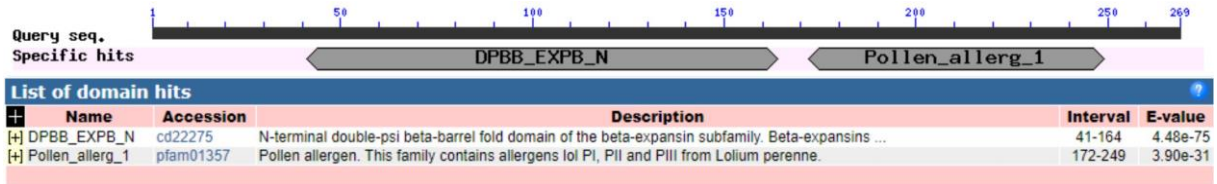
EXTERNAL RESOURCES

<https://brachypodium.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BstEXPB-15

MVGRSMASVTQVSASLAVFTALAFLLHPCASVELHRKLSGWSNGGATWYGAASGA
GSDGGACGYQDAVGGQPFSSMIAAGSPSIYQEGKGCSCYQVKCTGHQSCSANPVT
VVLTDECPSGTCLEEPVHFDLSGTAFGDMAKPGQADQLRAAGRLQIQYTRVPCNWQ
GTDIAFKVDAGSNSYYLAMLIEDESGDGDLSAVDLKQSGGGAGWAPMARSWGAVV
RFNSGPMLQAPFSVRLTSGSGKTLVADNVIPAGWKPGGTYSVVNY*

CDS (coding sequence)

>BstEXPB-15

ATGGTCGGCCGGAGCATGGCTTCCGTGACCCAGGTATCAGCGTCCTTGGCCGTGT
TCACGGCTCTAGCTTTCCTCCTCCATCCATGCGCATCAGTCGAGCTCCACCGCAAG
CTCTCCGGCTGGTCCAACGGCGGCCACGTGGTACGGAGCCGCCAGCGGCGCA
GGGAGCGACGGTGGTGCCTGCGGGTACCAGGACGCCGTAGGCCAGCAGCCGTTC
TCCTCCATGATCGCCGCGGGTAGCCCGTCCATCTACCAGGAAGGCAAGGGCTGCG
GTTCTTGCTACCAGGTGAAATGCACCGGTCACCAGTCTTGCTCCGCCAATCCGGT
GACCGTCGTCCTGACCGACGAGTGCCCAAGCGGGACGTGCCTGGAAGAGCCCGT
CCACTTCGACCTGAGCGGGACGGCTTTCGGTGACATGGCCAAGCCTGGCCAGGCC
GACCAGCTCCGCGCCGCCGGCCGCTCCAGATCCAGTATACTCGGGTGCCGTGCA
ACTGGCAGGGGACGGACATAGCCTTCAAGGTGGACGCCGGCTCCAACCTCGTACT
ACCTCGCCATGCTCATCGAGGACGAGTCCGGCGACGGCGACCTGTCGGCGGTGCGA
CCTCAAGCAGAGCGGCGGCGGCGCAGGGTGGGCGCCGATGGCGCGCTCGTGGGG
CGCGGTCTGGAGGTTCAACTCCGGGCCCATGTTGCAGGCGCCCTTCTCGGTCCGG
CTCACGTCCGGATCCGGCAAGACTCTCGTCGCCGACAACGTCATCCCCGCGGGCT
GGAAGCCCGGGCGGCACATAACCGTTCCGTGGTGA ACTACTGA

Nucleotide

>BstEXPB-15

ACAGTAGTCTCAACTTCAGCTGTCTCATCTTCTTTTGCAGTGAAGTCAAGCGATGG
TCGGCCGGAGCATGGCTTCCGTGACCCAGGTATCAGCGTCCTTGGCCGTGTTTAC
GGCTCTAGCTTTCCTCCTCCATCCATGCGCATCAGTCGAGCTCCACCGCAAGCTCT

CCGGCTGGTCCAACGGCGGGCGCCACGTGGTACGGAGCCGCCAGCGGGCGCAGGGA
GCGACGGTAATTGATACATGGACCTGTATATATACACGACCATATATGTAGTCAT
GGAAGATACTAGTGCTGGTATACTTACTGGTTAAGGTCTGCGTTTGCTGTAAAGG
TGGTGCGTGCGGGTACCAGGACGCCGTAGGCCAGCAGCCGTTCTCCTCCATGATC
GCCGCGGGTAGCCCGTCCATCTACCAGGAAGGCAAGGGCTGCGGTTCTTGCTACC
AGGTTTCGATCCTACCCCTCGATGCCTGCCGACATACTAAGCATATATAATTGGTTT
CATTAGCTTAATCACAGCATGCATATTCTTCTGAAGGTGAAATGCACCGGTCACC
AGTCTTGCTCCGCCAATCCGGTGACCGTCGTCTGACCGACGAGTGCCCAAGCGG
GACGTGCCTGGAAGAGCCCGTCCACTTCGACCTGAGCGGGACGGCTTTCGGTGAC
ATGGCCAAGCCTGGCCAGGCCGACCAGCTCCGCGCCGCCGGCCGCCTCCAGATCC
AGTATACTCGGTAATTAATTAATTAAGCTGTACATATATCTGCTGAATTGTCGTGC
ACTGGCAGCATATATGCCTTTTTTTTTTCGCGAGAGCCTAGCTAGCAGCATGCCAGA
TCAAGTAATTTACGTGGACAACATTTTCACATGCTCGATCACGTGCATTTTCAATG
CTTCCGGGACACATTTCTTGTCTTTGCATACGTAAAGGGACGCGCTGTAGGCGTG
GCCACGCAACGCAATAGTATAGTATACCGTATACTGCATTCATGATAATCGACCG
ACTAACTGGGCTAGCTGCCGTCTCTTCTTCGATCGGCTTTGGCCTTTTCTAAATTT
GTCCCGGGTCCGTCATGAACGCTGCTGCATGCAGGGTGCCGTGCAACTGGCAGGG
GACGGACATAGCCTTCAAGGTGGACGCCGGCTCCAACCTCGTACTACCTCGCCATG
CTCATCGAGGACGAGTCCGGCGACGGCGACCTGTTCGGCGGTTCGACCTCAAGCAG
AGCGGCGGCGGCGCAGGGTGGGCGCCGATGGCGCGCTCGTGGGGCGCGGTCTGG
AGGTTCAACTCCGGGCCCATGTTGCAGGGCGCCCTTCTCGGTCCGGCTCACGTCCG
GATCCGGCAAGACTCTCGTCGCCGACAACGTCATCCCCGCCGGCTGGAAGCCCGG
CGGCACATAACCGTTCGGTGGTGAACACTACTGATAAACTAGCTAGCTACTCGTGGTT
ACACACACATCAGGCAAGCACGCCC GCGCTCGCCGGTATTACATAGGCGTGGCGT
TGCAGGCTTAGTTATTTGGAGCTATGGGGCGTGGATATATGTATGTGTGTGTAAT
CACCAATTAGTATCGCGTGTGTGTACAAGTGTTTGTGCGCCGCACCGTTGGTGC
GTTGCGTGGAGTCTGTTCTGTATCAGTCTGCGTGGAGTAATATGAAATAAACTT
ATCAGGGGGCGTAAGGACGAGGCGCAACGCTAGCTTCGGGTCTTCCCCCTTGCT
CTTTCATATG