

IDENTIFICATION

Species: *Brachypodium stacei*

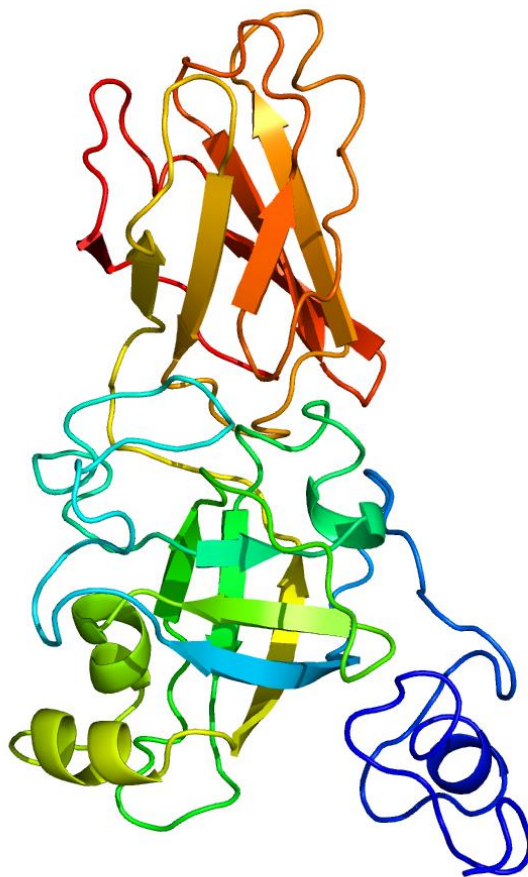
Locus: Brast02G003800

Gene Model: Brast02G003800.1.p

Description: BstEXPB-01

Family: Beta Expansin

3D structure:



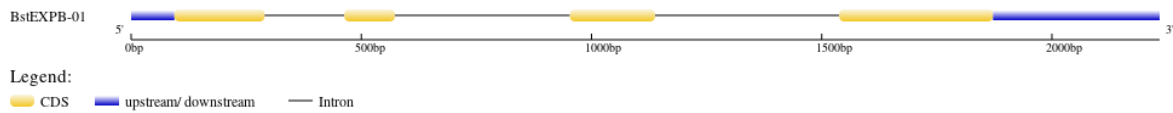
GENOME DATABASES

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

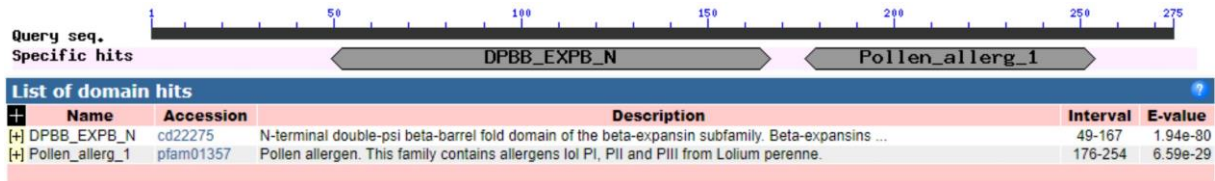
EXTERNAL RESOURCES

<https://brachypodium.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BstEXPB-01

MAKQQQLSLLLVAAPMLLLLSSLDGSSAAAAVEPNLNASAVSFGQSGVARATWYGA
PNGAGPYDNGGACGFKNVNKYPFMAMTSCGNQPLFKDGKGCACYKIKCTKHKAC
SGRTETVVITDMNYYPVAPYHFDLSGTAFGKLAKPGRNDELRHAGIIDIQFTRVPCEF
PGLKVGHFVVEEGSNAVYMAILVEYENGDDVQVQDLMESGGHGGGRWTRMKESW
GSIWRLDSNHRLQAPFLRIRNESGKTLVARNVIPSINWRPNTFYRSIVQYS*

CDS (coding sequence)

>BstEXPB-01

ATGGCGAAGCAGCAGCAGCTCTCGCTCCTCCTGGTGGCGGCGCCAATGCTGCTGC
TCCTCTCCTCCCTCGACGGCTCCAGCGCCGCGCAGCCGTGGAGCCGAACCTGAA
CGCCAGCGCCGTCTCCTTTGGCCAGTCGGGCGTCGCCAGGGCCACCTGGTACGGC
GCCCCAACGGCGCCGGCCCTTACGACAACGGCGGCGCTTGCGGGTTCAAGAAC
GTGAACAAGTACCCGTTTCATGGCCATGACCTCCTGCGGCAACCAGCCCCTTCA
AGGACGGCAAGGGATGCGGCGCATGCTACAAGATCAAGTGC ACTAAGCACAAGG
CTTGCTCTGGGCGCACGGAGACGGTGGTGATCACGGACATGAACTACTACCCGGT
GGCGCCCTACCACTTCGACCTCAGCGGCACCGCCTTCGGCAAGCTCGCCAAGCCC
GGCCGCAACGACGAGCTCCGACACGCGGCATCATCGACATACAGTTCACCAGG
GTGCCGTGCGAGTTCCTGGGGCTGAAGGTGGGCTTCCACGTGGAGGAGGGCTCC
AACGCGGTGTACATGGCGATCCTCGTGGAGTACGAGAACGGCGACGGCGACGTG
GTGCAGGTGGACCTCATGGAGTCCGGCGGCCATGGCGGAGGGCGGTGGACGCGG
ATGAAGGAGTCGTGGGGCTCCATCTGGCGCCTCGACTCCAACCACAGGCTCCAGG
CGCCATTCTCGCTGCGCATCCGCAACGAGTCCGGCAAGACGCTCGTCGCCCGCAA
CGTCATCCCCTCCA ACTGGCGCCCCAACACCTTCTACCGCTCCATCGTCCAGTACA
GCTAG

Nucleotide

>BstEXPB-01

ACACACACACACCAAACCAAACAGATCCAACCTTGAGCTGCAGTTAGTACTCCAGT
ACAGAGAGTGTGAGCAAAGTGAACCAGTGAGTGAACAAGATGGCGAAGCAGCA
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ACGGCTCCAGCGCCGCCGAGCCGTGGAGCCGAACCTGAACGCCAGCGCCGTCT
CCTTTGGCCAGTCGGGCGTCGCCAGGGCCACCTGGTACGGCGCCCCAACGGCGC
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AGAGATTCCTTGCAATGGCCTGTGTGTTGAGCTATGTATGTATGTATGTTTCATGGC
CATGACCTTTTGCTTGCTTGCAGGCGGCGCTTGCGGGTTCAAGAACGTGAACAAG
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CTTCTAGCATTCCAAAATGCAACTCCACGGCTTTGGTCAAAGCCAGCAGTGCTA
GCTAGTTGAGCTGATTCCTTGATTATAGTTGGCCCATATACATACTTGGCTCGATG
GGGGCACGAGTAGCCGTGCCACTGGCGAGCACAGGTCCGTGGACCCAGACTGCA
ACACGGCACGTTCTCCGTGACAGTGCCCGGCACGGCTCCCCATGCAATGCAACAA
TGTCATTTTACATCTCTGCCCTTCTTCCCTGAACAAGCTTGCTTGTGTGCAATATGT
TTTTGTACCAACTAGATCAAGTGCCTAAGCACAAGGCTTGCTCTGGGCGCACGG
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CCTCAGCGGCACCGCCTTCGGCAAGCTCGCCAAGCCC GGCCGCAACGACGAGCTC
CGACACGCCGGCATCATCGACATACAGTTCACCAGGTACTATTATACTTCTTTTAA
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CCCGCGTGCCTGGATGCAATGCTTGCATTTATGCAGCTGCATGCTGTATCCATG
GGTCATTTACTACTTGTATCAGCCAGTGCAAGGCGTATGTATAAATTAATGTTTCG
GGATCGATTTACAGCTCCGGTTCACGGG