

IDENTIFICATION

Species: *Brachypodium stacei*

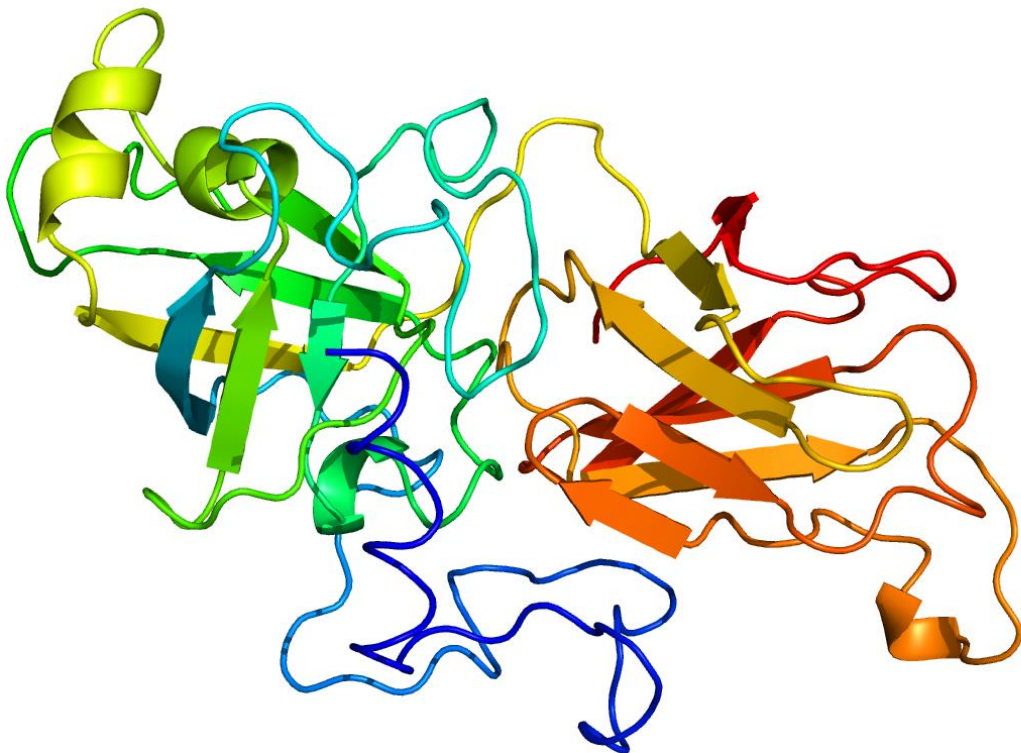
Locus: Brast03G195800

Gene Model: Brast03G195800.1.p

Description: BstEXPB-12

Family: Beta Expansin

3D structure:



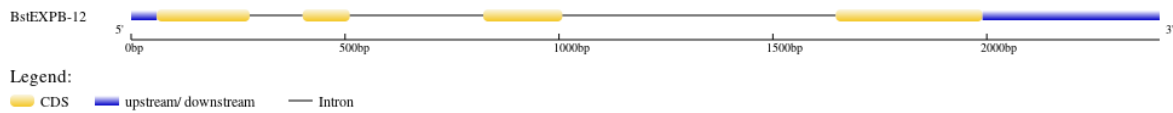
GENOME DATABASES

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

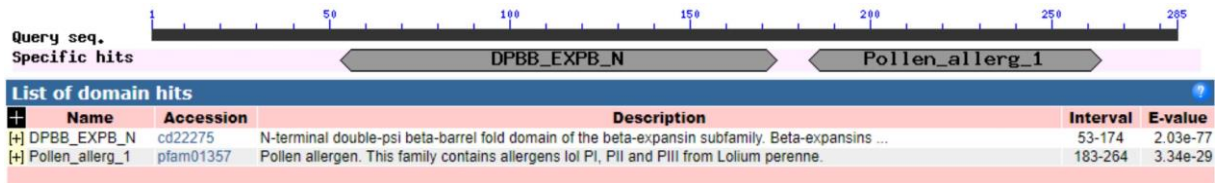
EXTERNAL RESOURCES

<https://brachypodium.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BstEXPB-12

MGKLSSYAALAALLAVLSAGAGAEELNVTGATPADYGGAGLNSSEAAVYWGPWQT
ARATWYGQPNGAGPDDNGGACGFKHTNQYPFASMTSCGNQPLFKDGKGCSCYKI
RCRKDQSCSGRTETVIITDMNYYPVAPYHFDLSGTAFGRLAKPGLNDKLRHSGIIDIEF
TRVPCFPGLKIGFHVVEEYSNPVYFAVLVEYEDGDGDVVQVDLMESKTAHGPLTGQ
WTRMRESWGSIWRLDSNHRLQAPFSIRITNESGKRLIAREVIPANWRPNTFYRSFVQY
S*

CDS (coding sequence)

>BstEXPB-12

ATGGGCAAGCTCTCCTCCTATGCTGCTCTGGCGGCGCTGCTCGCCGTCCTGTCCGC
CGGCGCTGGCGCCGAGGAGCTCAACGTCACCGGCGCCACCCCGGCCGACTACGG
CGGCGCGGGGCTCAACAGCAGCGAGGCCGCGGTGTACTGGGGCCCATGGACCCA
GGCCAGGGCCACGTGGTACGGCCAGCCCAATGGCGCCGGCCCCGACGACAACGG
CGGCGCCTGCGGCTTCAAGCACACCAACCAGTACCCGTTTCGCGTCCATGACCTCC
TGCGGCAACCAGCCATTGTTCAAGGACGGCAAGGGATGCGGCTCCTGCTACAAG
ATCAGATGCCGAAAGGACCAGTCCTGCTCTGGCAGGACGGAGACGGTGATCATC
ACCGACATGAACTACTACCCCGTGGCGCCATACCACTTCGACCTCAGCGGCACGG
CGTTCGGCAGGCTCGCCAAGCCCGGCCTCAACGACAAGCTCCGCCACTCCGGCAT
CATAGACATCGAGTTCACCAGGGTGCCGTGTGAGTTCCTCGGGGCTGAAGATCGGG
TTCCACGTGGAGGAGTACTCAAACCCGGTGTACTTCGCGGTGCTCGTTGAGTACG
AGGACGGCGACGGCGACGTGGTGCAGGTGGACCTGATGGAGTCGAAGACAGCCC
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GGAGGCTTGACTCCAACCACCGCCTGCAGGCTCCATTCTCCATCCGCATCACCAA
CGAGTCCGGCAAGAGGCTCATCGCCCGGGAGGTCATCCCGGCCAACTGGAGGCC
CAACACCTTCTACCGATCCTTCGTCCAGTACAGCTGA

Nucleotide

>BstEXPB-12

GAACCAAACAACACCATCACTCCTCTCACTACACTCCCAAAAGCTCAGATCCACA
GAGGAATGGGCAAGCTCTCCTCCTATGCTGCTCTGGCGGCGCTGCTCGCCGTCCT
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GGTGCTTTGTTCTTGTCTGAGGCTGACGTTTTGTTTCTGTTTGGTGGGTTTCAGATC
AGATGCCGAAAGGACCAGTCCTGCTCTGGCAGGACGGAGACGGTGATCATCACC
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CGTCTCGAGGAAGAAAGTGTCCGTCCGGAGTATGGTTGGGGTCTGGGTCGCTAGG
GCCGTGATGAGGGTTGGAGTCATGTATTGCAGTATTTGCAAGTGGGGGAGGCAA
AGCTGTGTGGGAAATGGAGGAGGCAGGCGTACAAGATACGCTCTCCCGCCACT
GTCGCTTTATAATTTACCATTCAAGGCGGTGATTAAT