

IDENTIFICATION

Species: *Brachypodium stacei*

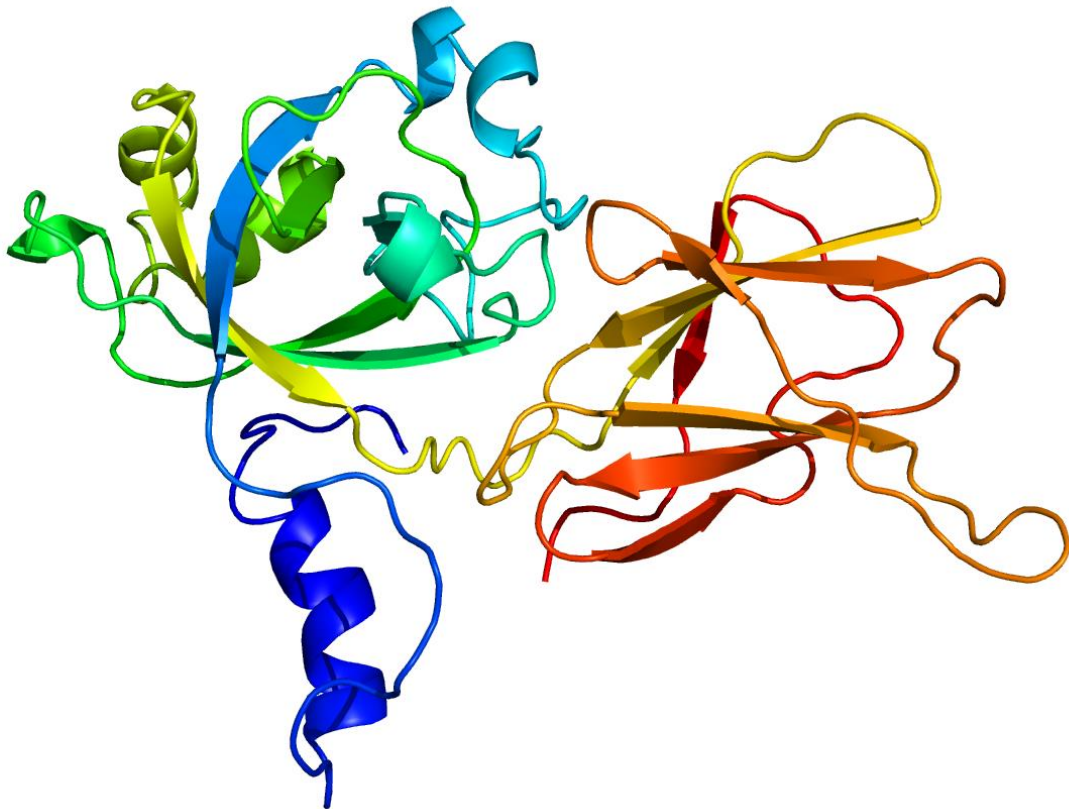
Locus: Brast03G195600

Gene Model: Brast03G195600.1.p

Description: BstEXPB-10

Family: Beta Expansin

3D structure:



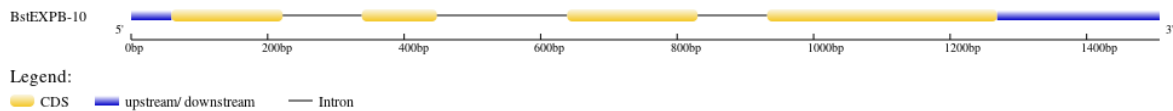
GENOME DATABASES

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

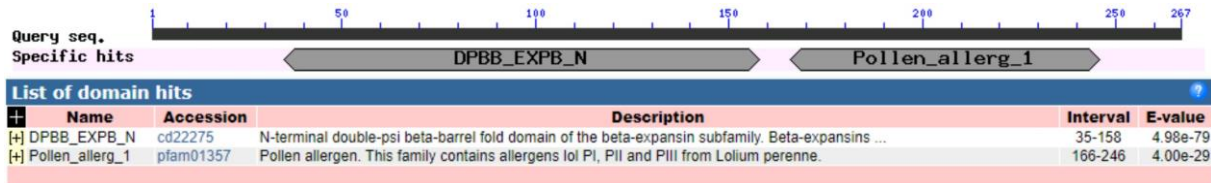
EXTERNAL RESOURCES

<https://brachypodium.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BstEXPB-10

MAGFPGNGVALVALVTALLTYGSCALAKTSGASGWQAAKATWYGAPTGAGPDDN
GGACGFKNVNQYPFSSMISCGNEPLFKDGNGCGACYEIRCTKVNNRACSGKAQKIMI
TDMNYYPVAKYHFDLSGTAFGAMA VPGQNDQLRHAGIIDMQFRRVPCKNRGLNVN
FHVQHGSNPNYLAVLVEYANMDGTVVQMDLRESRRGHPSGPWRP MKRSWGS IWR
MDTYRPLQGPFLRIRSESGQTLVAKQVIPANWKPDTDYRSRVQFR*

CDS (coding sequence)

>BstEXPB-10

ATGGCTGGGTTCCTGGCAATGGCGTTGCGCTTGTTGCACTCGTCACCGCGCTCCT
CACGTATGGCTCTTGCGCCTTGGCCAAAACCTCTGGCGCCTCCGGCTGGCAGGCC
GCCAAGGCCACCTGGTACGGCGCCCCTACGGGCGCCGGTCCCGACGACAACGGT
GGTGCTTGCGGCTTCAAGAATGTGAACCAGTACCCGTTTTTCGTCCATGATCTCGTG
CGGCAACGAGCCCCTGTTCAAGGACGGCAATGGCTGCGGGCGCTTGCTACGAGAT
ACGATGCACCAAAGTCAACAACCGTGCCTGCTCCGGCAAGGCGCAGAAGATCAT
GATAACCGACATGAACTACTACCCCGTCGCAAATACCACTTCGACCTAAGCGGC
ACGGCGTTCGGCGCCATGGCCGTTCCCGGCCAGAACGACCAGCTCCGCCACGCCG
GCATCATCGACATGCAGTTCAGGAGGGTGCCATGCAAGAACCGGGGCTTGAACG
TGAACCTCCACGTGCAACACGGGTGCAACCCGAACTACCTGGCCGTGCTCGTGGA
GTACGCGAACATGGACGGGACGGTGGTGCAGATGGACCTCAGGGAGTCCAGGCG
CGGGCACCCGAGCGGCCCTGGAGGCCATGAAACGCTCTTGGGGATCCATCTGG
AGGATGGACACCTACCGCCCCTGCAGGGGCCATTCTCCCTCCGCATCCGCAGCG
AGTCCGGCCAGACGCTGGTGGCCAAGCAGGTCATCCCGGCCAACTGGAAGCCCG
ACACCGACTACCGGTCCAGAGTTCAGTTCCGTTGA

Nucleotide

>BstEXPB-10

AACCACCGGCTAGCTAGCTTGTCTAGCACAAAGAGCTGATCGAATTGCAAGTGCA
AAAGATGGCTGGGTTCCTGGCAATGGCGTTGCGCTTGTTGCACTCGTCACCGCG
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GGCCGCCAAGGCCACCTGGTACGGCGCCCCTACGGGCGCCGGTCCCGACGACAA
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ATGATCTCGTGCGGCAACGAGCCCCTGTTCAAGGACGGCAATGGCTGCGGGCGCTT
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AGTTGATGCTAGTCATTAATTAGATTAGTCAAAGCTCATTAACTGCAAGCTCCG
TTCACACTGGAGTATCATGGAATACGTACATGGCCGGGTAACATGCACATCGTTG
ACTCTCTCGATCCCTAATTGCTTTTTTTTTTGCAGATACGATGCACCAAAGTCAACA
ACCGTGCTGCTCCGGCAAGGCGCAGAAGATCATGATAACCGACATGAACTACT
ACCCCGTCGCAAATACCACTTCGACCTAAGCGGCACGGCGTTCGGCGCCATGGC
CGTTCGCCGGCAGAACGACCAGCTCCGCCACGCCGGCATCATCGACATGCAGTTC
AGGAGGTGACCCATAACATTTTCCCACTCAACCCTTCTACATAATCGCTTTAGTTA
GCAGCAAAATCTGACGCGCGCCATCCCTTGATTGGTGGATGCACGATGCAGGGTG
CCATGCAAGAACCGGGGCTTGAACGTGAACTTCCACGTGCAACACGGGTGCAAC
CCGAACTACCTGGCCGTGCTCGTGGAGTACGCGAACATGGACGGGACGGTGGTG
CAGATGGACCTCAGGGAGTCCAGGCGCGGGCACCCGAGCGGCCCTGGAGGCC
ATGAAACGCTCTTGGGGATCCATCTGGAGGATGGACACCTACCGCCCGCTGCAGG
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GGTCATCCCGGCCAACTGGAAGCCCGACACCGACTACCGGTCCAGAGTTCAGTTC
CGTTGATCTCGATCGGTGTTGCATGTGTGATTGAGACGAAGTACTACTACACATT
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