

IDENTIFICATION

Species: *Brachypodium stacei*

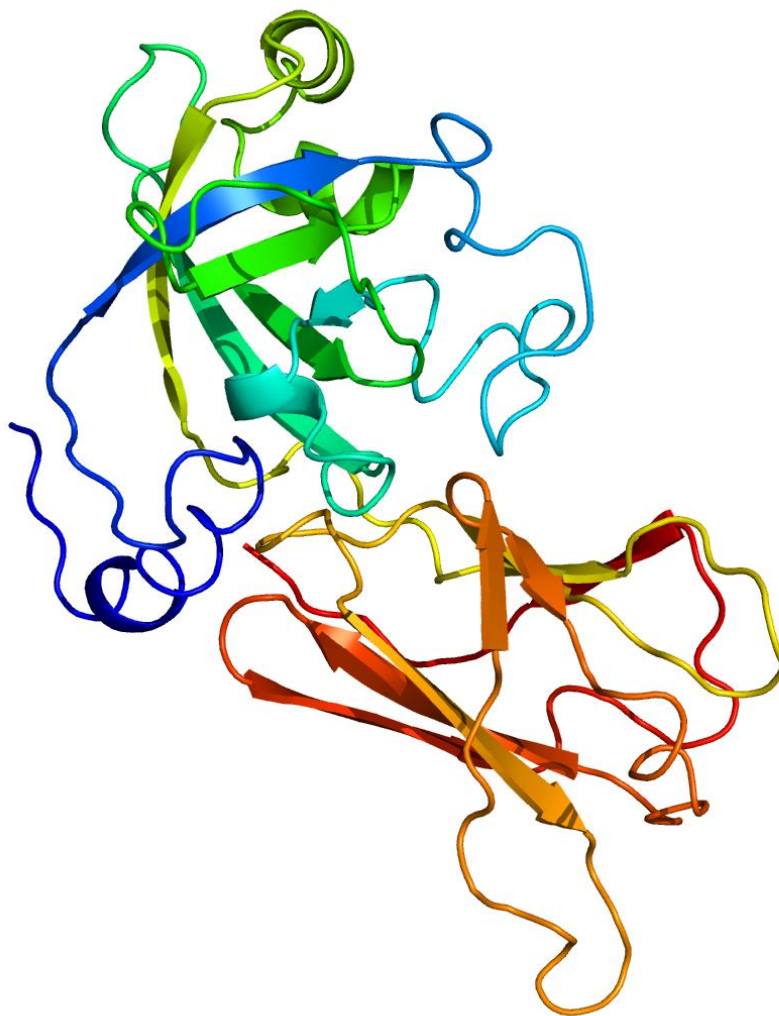
Locus: Brast09G165800

Gene Model: Brast09G165800.1.p

Description: BstEXPB-23

Family: Beta Expansin

3D structure:



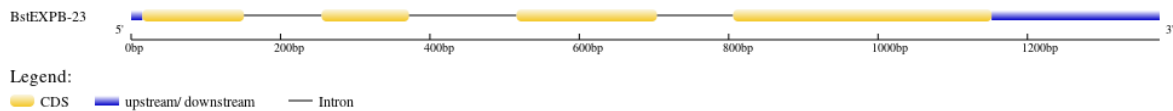
GENOME DATABASES

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

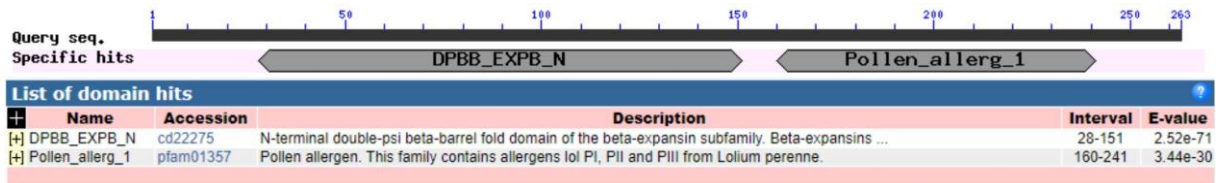
EXTERNAL RESOURCES

<https://brachypodium.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BstEXPB-23

MASSRGTFLFAALGVLSVLSLPTATRGWAEGGATWYGGPYGDGSEGGACGYKSDV
GQDPFSSMIAAGPSLFKNGKGCACGYQVKCKEDPACSGKHVTVVITDSCPDGTCQ
KEKAHFDMSGTAFGAMAKPGMADKLRNSGVLKIEFNRVPCKYNGKKISFKMDSGA
NPFYLAMLIEYEAGDGLASVEVMEAGGSKGSAKWMPMRQSWGALWCLDSKTGK
PLQAPFSFRLTSGSGKVLVANNVPTGWNAGKAYQANVNYAA*

CDS (coding sequence)

>BstEXPB-23

ATGGCTAGCAGCCGAGGCACATTCCTATTTGCGGCACTCGGCGTACTGTTCGGTCC
TATCACTTCCAACGGCAACGCGCGGCTGGGCGGAGGGCGGCGACGTGGTACG
GGGACCTTACGGCGATGGCAGCGAAGGTGGGGCGTGCGGCTATAAAAGCGATG
TCGGCCAGGACCCGTTCTCGTCGATGATCGCCGCGGCGGCCCGTCCCTCTTCAA
GAACGGCAAAGGCTGCGGCGCATGCTATCAGGTTAAGTGCAAAGAAGACCCGGC
CTGCTCCGGCAAACATGTGACCGTCGTCATCACCGACTCCTGCCCGACGGGACA
TGCCAAAAGGAGAAGGCGCACTTCGACATGAGCGGCACCGCCTTCGGCGCCATG
GCCAAGCCCGGGATGGCCGATAAGCTCCGTA ACTCCGGAGTCCTCAAGATCGAAT
TCAACAGGGTGCCGTGCAAGTACAACGGCAAGAAGATTAGCTTCAAGATGGACT
CGGGCGCCAACCCATTCTACCTCGCCATGCTGATCGAGTACGAGGCCGGCGACGG
AGACCTTGCCTCCGTGGAAGTCATGGAGGCCGGCGGCAGCAAGGGCAGCGCCAA
GTGGATGCCGATGCGGCAGTCGTGGGGCGCCTTGTGGTGTCTCGATTCAAAGACC
GGGAAGCCTCTGCAGGCCCGTTCTCGTTCGGGCTCACCTCGGGTTCCGGCAAGG
TGCTCGTCGCAAACAACGTCGTCCCCACCGGGTGAATGCAGGGAAGGCCTACC
AAGCCAACGTGAACTACGCCGCCTAA

Nucleotide

>BstEXPB-23

CAACCAAAGGAAACAATGGCTAGCAGCCGAGGCACATTCCTATTTGCGGCACTC
GGCGTACTGTTCGGTCTTACTTCCAACGGCAACGCGCGGCTGGGCGGAGGGCG
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GCACGATATGTAACATTGACCTCACTAATTAAC TTGTCAGAATGCCGGAAAAAAG
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CCTCTTCAAGAACGGCAAAGGCTGCGGGCGCATGCTATCAGGCCAGTATATATGCA
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GATGTTAATCTGGCGTCCTAATTGATCAAATCGGTTTACCGGGCGATATATCGAT
CCATGTCGTCGTGCAGGTTAAGTGCAAAGAAGACCCGGCCTGCTCCGGCAAACAT
GTGACCGTCGTCATCACCGACTCCTGCCCCGACGGGACATGCCAAAAGGAGAAG
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GAATTCGATCGAGTCTTAGTTCACAAATAATCTCTTCAGGTTATGGCACATGCAT
GTATGCACTGACATTAATGGTTTACTACTTTTACCAGGGTGCCGTGCAAGTAC
AACGGCAAGAAGATTAGCTTCAAGATGGACTCGGGCGCCAACCCATTCTACCTCG
CCATGCTGATCGAGTACGAGGCCGGCGACGGAGACCTTGCCTCCGTGGAAGTCAT
GGAGGCCCGGCGGCAGCAAGGGCAGCGCCAAGTGGATGCCGATGCGGCAGTCGTG
GGGCGCCTTGTGGTGTCTCGATTCAAAGACCGGGAAGCCTCTGCAGGCCCCCGTTC
TCGTTCCGGCTCACCTCGGGTTCGGGCAAGGTGCTCGTCGCAAACAACGTCGTCC
CCACCGGGTGGAATGCAGGGAAGGCCTACCAAGCCAACGTGAACTACGCCGCCT
AATTAAGGGCATGTTTTTGGCCGTTGGATGCAGTTTGATCGAATATAAAGGCGGA
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TGAGAACTGCAATAAGTCAATCAGATACCTGATTTGGATACATATTGTGCAAGTG
TAAGCACCATGTTTCAA AATCGCAAATTCTCTACAGTTGTGAAGTCAAACAACCG
ATGCAATA