

IDENTIFICATION

Species: *Brachypodium stacei*

Locus: Brast04G114900

Gene Model: Brast04G114900.1.p

Description: BstEXPB-14

Family: Beta Expansin

3D structure:



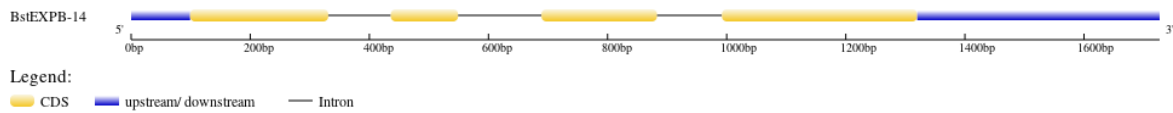
GENOME DATABASES

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

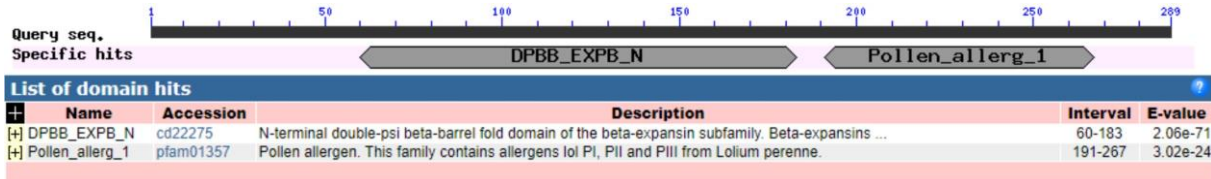
EXTERNAL RESOURCES

<https://brachypodium.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BstEXPB-14

MAKSCTLALV GALVALSLLVRPIACSRKLATKAVSYKPAPAAKANKNQTTSAAYS
 SGGWLAAGATYYGTPNGDGS DGGACGYQSAVGH RPYSSMIAAGSTPLFLGGKGC
 ACYQVKCTSNKACSGNPATVVITDLS PGGLYPGEP AHFDMSGTALGAMAKPGKADA
 LRAGGVLRIQYKRVPC KYPGVNIAFRVDQGS NPFYFKTLIEFEDGDGDLKYVALKQA
 GSKQWTNMVQDWGALWRLNNGQRLRGPFSIKLTS DSNRVLVVNNVIPANWKAGAT
 YRSLVNYPY*

CDS (coding sequence)

>BstEXPB-14

ATGGCGAAATCTTGC ACTTTAGCACTAGTCGGCGCACTGGTGGCGCTCTCACTTCT
 TGTGAGACCCATTGCTTGCTCCCGCAAGCTCGCCACCAAGGCAGTCAGCTACAAG
 CCTGCACCTGCAGCCAAGGCCAACAAAAACCAGACCACGTCTGCCGCCGCCTAC
 AGCTCCGGCGGCTGGTTGGCCGCCGGCGCGACGTATTACGGCACACCAAACGGC
 GACGGGAGCGACGGTGGCGCGTGTGGCTACCAAAGCGCTGTTCGGGCATCGGCCG
 TACTCGTCGATGATCGCCGCCGGGAGCACGCCGCTCTTCTTGGGAGGCAAGGGCT
 GCGGCGCGTGCTATCAGGTTAAATGCACGAGCAACAAGGCGTGCTCCGGCAATC
 CTGCCACCGTAGTCATCACCGACTTGAGCCCCGGCGGGCTCTACCCCGGCGAGCC
 GGCCATTTTCGACATGAGCGGCACGGCCTTGGGCGCCATGGCCAAGCCTGGCAA
 GGCCGACGCACTCCGTGCCGGCGGTGTGCTCAGAATCCAGTACAAGAGGGTGCC
 ATGCAAGTACCCTGGCGTGAACATTGCCTTCAGGGTGGACCAGGGCTCGAACCCG
 TTCTACTTCAAGACCCTGATCGAGTTCGAGGACGGCGACGGCGACCTCAAGTACG
 TCGCCCTCAAGCAGGCCGGCAGCAAACAATGGACCAACATGGTGCAGGACTGGG
 GCGCGTTGTGGCGCCTCAACAACGGCCAGCGGCTGCGCGGCCCTTCTCGATCAA
 GCTCACCTCCGACTCCAACAGGGTCCTCGTCGTCAACAACGTCATCCCGGCCAAC
 TGGAAGGCCGGAGCGACCTACCGCTCCTTGGTCAACTACCCCTACTAA

Nucleotide

>BstEXPB-14

ACATTTTCAGCTAAGCTTATCTAGCTTAGCCTCTGAATCCCGAACCCTAGCGCTTA
GCTAGCTCTAGTAGAAGAAGAAGCAACAAGCCAGTAAGCAGCAATGGCGAAATC
TTGCACTTTAGCACTAGTCGGCGCACTGGTGGCGCTCTCACTTCTTGTGAGACCCA
TTGCTTGCTCCCGCAAGCTCGCCACCAAGGCAGTCAGCTACAAGCCTGCACCTGC
AGCCAAGGCCAACAAAAACCAGACCACGTCTGCCGCCGCCTACAGCTCCGGCGG
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CGGTTAGTGTGCTAGCTTGCTTAATTTGCTTTTACTGTCAACCGTGCGAATATTTG
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AGCTCCTCCATTAATGGTGCGAAGTGGTCGGCTACCTGGTCCTCGAGTCCTGACT
GAATGCGTTAATGTGGTCCGCTACCCGCAGGTTAATGCACGAGCAACAAGGCG
TGCTCCGGCAATCCTGCCACCGTAGTCATCACCGACTTGAGCCCCGGCGGGGCTCT
ACCCCGGCAGCCGGGCCATTTTCGACATGAGCGGCACGGCCTTGGGGCGCCATGGC
CAAGCCTGGCAAGGCCGACGCACTCCGTGCCGGCGGTGTGCTCAGAATCCAGTAC
AAGAGGTATGTGCATATACACGATCCACCGCAATGCAAAAATTCTGCACAAATTTA
CTGCAAGCAGTGTTAAGA ACTAGTGGAACTAACCTCTCTGTTTCTTTCGATCCGTT
TAGGGTGCCATGCAAGTACCCTGGCGTGAACATTGCCTTCAGGGTGGACCAGGGC
TCGAACCCGTTCTACTTCAAGACCCTGATCGAGTTCGAGGACGGCGACGGCGACC
TCAAGTACGTCGCCCTCAAGCAGGCCGGCAGCAAACAATGGACCAACATGGTGC
AGGACTGGGGCGCGTGTGTGGCGCCTCAACAACGGCCAGCGGCTGCGCGGCCCCCTT
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GAGAGAAATCAATCGT TACTG