

IDENTIFICATION

Species: *Brachypodium stacei*

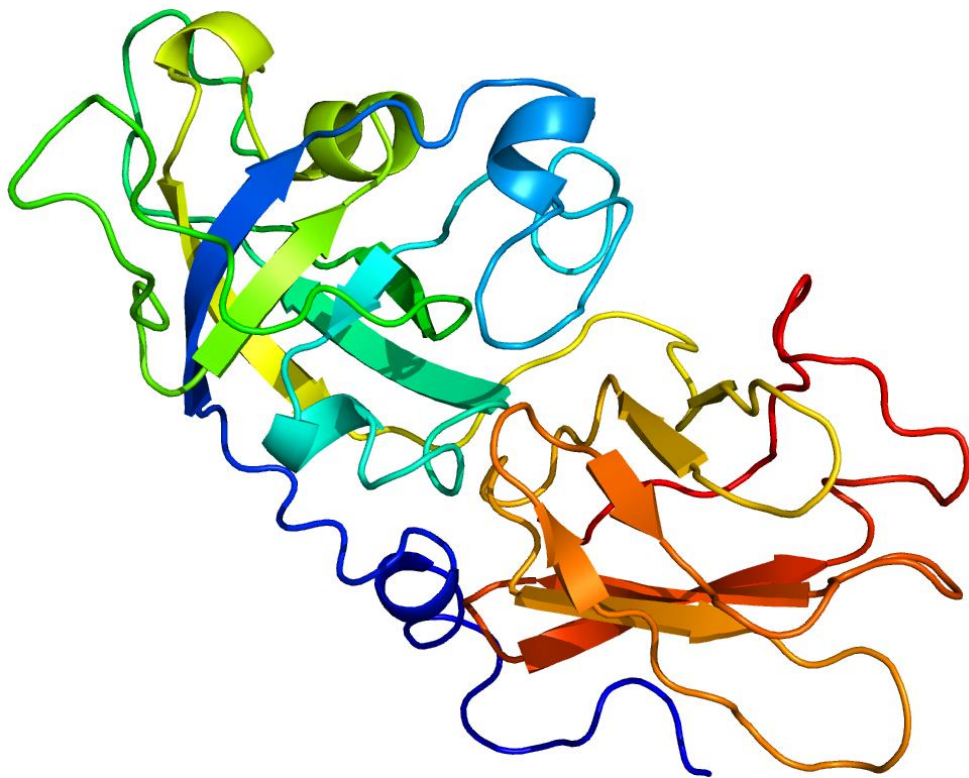
Locus: Brast03G134500

Gene Model: Brast03G134500.1.p

Description: BstEXPA-14

Family: Alpha Expansin

3D structure:



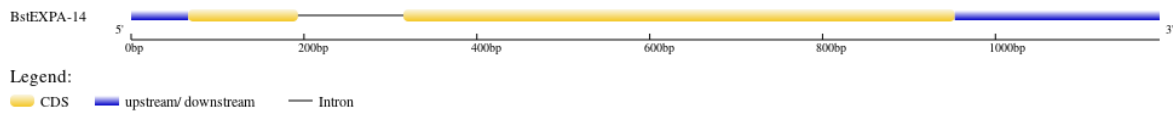
GENOME DATABASES

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

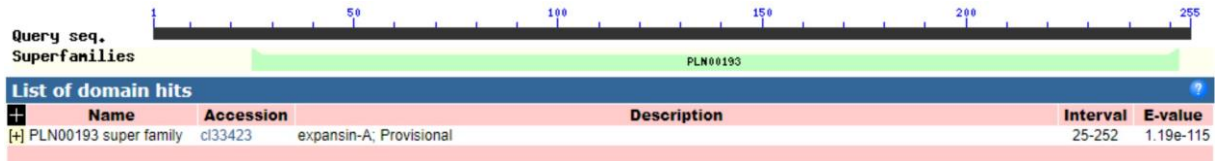
EXTERNAL RESOURCES

<https://brachypodium.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BstEXPA-14

MGNPTKQLMLFALLALCVTSAMADWSKGTATFYGGQDASGTMGGACGYQNLVDQ
GYGVNNAALSTALFNDGASCGQCYLIMCDAASTGWCRAGYSTVTITATNLCPPNWA
LPNNNGGWCNPPRPHFDMSQPAWLQIGIYKAGIIPILYQQVKCWRQGGIRFSIAGFNY
YELVLVTNVGGSGSIRAMSVKGSNTGWIPMTRNWWGANWQCTSALVGQALSFMVTS
TGGQTLYLNNVVPYWWTFGATTYTSNNQFDY*

CDS (coding sequence)

>BstEXPA-14

ATGGGCAATCCGACGAAGCAGCTGATGCTCTTTGCTCTCTTGGCACTCTGCGTCA
CGTCCGCAATGGCGGACTGGAGCAAGGGGACGGCCACGTTCTACGGCGGCCAGG
ACGCCTCCGGCACGATGGGTGGCGCTTGCGGGTACCAGAACCTGTACGACCAAG
GGTACGGCGTGAACAACGCGGCGCTGAGCACGGCGCTGTTCAACGACGGCGCGT
CGTGCGGGCAGTGCTACCTGATCATGTGCGACGCCGCCAGCACCGGGTGGTGCAG
GGCCGGCTACAGCACGGTCACCATCACGGCCACAAACCTCTGCCCTCCAACTGG
GCGCTCCCCAACAAACGGCGGCTGGTGCAACCCGCCCGCCCCACTTTCGACA
TGTCCAGCCCGCCTGGCTCCAGATCGGCATCTACAAGGCCGGCATCATCCCAT
CCTCTACCAGCAGGTCAAGTGCTGGAGGCAGGGAGGGATCAGGTTACGCATCGC
CGGGTTCAACTACTACGAGCTGGTGCTCGTCACCAACGTCGGCGGCAGCGGCTCC
ATCAGGGCCATGTCGGTCAAGGGGTCCAACACCGGGTGGATCCCCATGACCAGG
AACTGGGGCGCAAACCTGGCAGTGCACATCGGCGCTCGTCGGCCAGGCGCTCTCCT
TCATGGTCACCTCCACCGGCGGCCAGACGCTCTACCTCAACAACGTCGTGCCCTA
CTGGTGGACCTTCGGAGCCACCACCTATAACCAGCAACAATCAGTTTGACTATTAA

Nucleotide

>BstEXPA-14

AGCTGCACTCTCTTCGTCTCTTAACATCGACCCTAGGAAGCTAGCTAGATCCTTCT
CGCTTCGGAGATGGGCAATCCGACGAAGCAGCTGATGCTCTTTGCTCTCTTGGCA
CTCTGCGTCACGTCCGCAATGGCGGACTGGAGCAAGGGGACGGCCACGTTCTACG
GCGGCCAGGACGCCTCCGGCACGATGGGTACGCGCTCCGGCCGGCCCGGTCGATT
TCTCTCGTCGTGTCTGACCGTTCTACCGCTAGCTGGCTAACGTTAATGTTGTTTGC

ACGCGTGCAACGCGTATGTTGTGTGTGTGTGTGTTTCAGGTGGCGCTTGCGGGTAC
CAGAACCTGTACGACCAAGGGTACGGCGTGAACAACGCGGGCGCTGAGCACGGCG
CTGTTCAACGACGGCGCGTCGTGCGGGCAGTGCTACCTGATCATGTGCGACGCCG
CCAGCACCGGGTGGTGCAGGGCCGGCTACAGCACGGTCACCATCACGGCCACAA
ACCTCTGCCCTCCCAACTGGGCGCTCCCAACAACAACGGCGGGCTGGTGCAACCC
GCCCCGCCCCACTTCGACATGTCCCAGCCCCGCCTGGCTCCAGATCGGCATCTAC
AAGGCCGGCATCATCCCCATCCTCTACCAGCAGGTCAAGTGCTGGAGGCAGGGA
GGGATCAGGTTCAAGCATCGCCGGGTTCAACTACTACGAGCTGGTGCTCGTCACCA
ACGTCGGCGGCAGCGGCTCCATCAGGGCCATGTCGGTCAAGGGGTCCAACACCG
GGTGGATCCCCATGACCAGGAAGTGGGGCGCAAAGTGGCAGTGCACATCGGCGC
TCGTCGGCCAGGCGCTCTCCTTCATGGTCACCTCCACCGGCGGCCAGACGCTCTA
CCTCAACAACGTCGTGCCCTACTGGTGGACCTTCGGAGCCACCACCTATAACCAGC
ACAATCAGTTTGACTATTAATTGATCCATATATATATATTCTTCCATGATCCATA
TATATTCTCCATCGTCGTGCAGCTATAGTGGTGCCATGGCGCACTGACAGATTAA
TGGTTTTGGTTGACTTAATGGCGCATGCAATGTGGGGTGACCTGGATTCTGGATTT
GATCTGTAATTCGAGTATTAAGTTAATAAATATTTGTAAATCCAGTTGTCGGTTCA
GTTGTTTTACCGTGCTTAATTCTACATCTACTCC