

IDENTIFICATION

Species: *Brachypodium stacei*

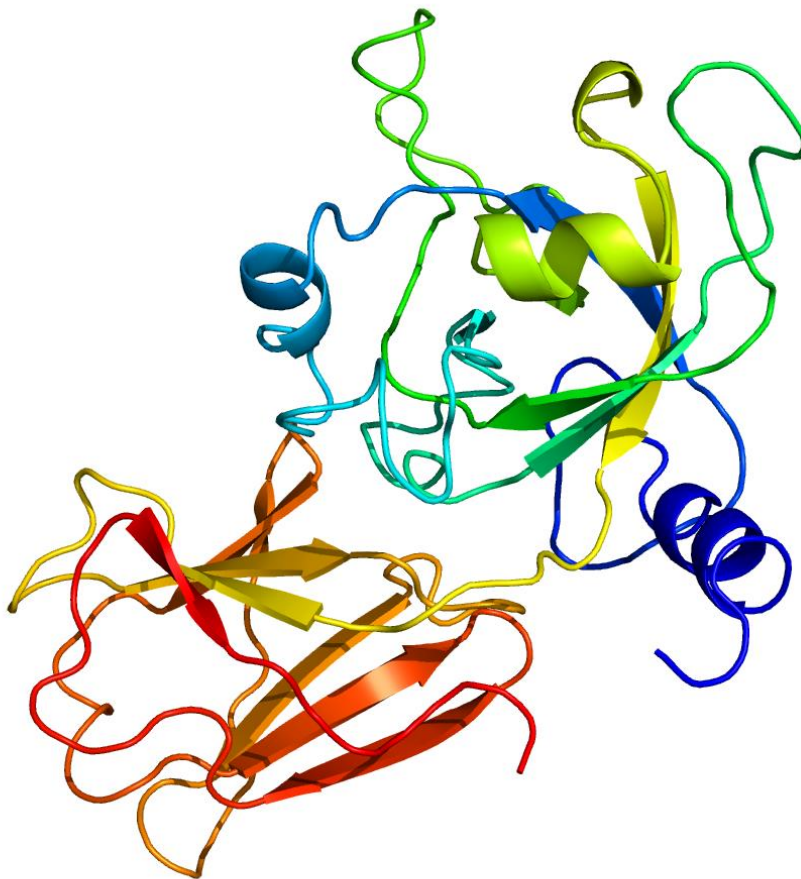
Locus: Brast02G046400

Gene Model: Brast02G046400.1.p

Description: BstEXPA-07

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

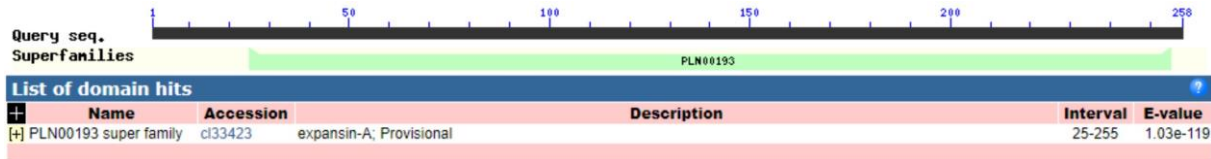
EXTERNAL RESOURCES

<https://brachypodium.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BstEXPA-07

MEYYYKTLVALLLAVAAAGSAPELAQAGWSQGTATFYGGSDASGTMGGACGYGN
LYSTGYGTATAALSTALFNDGASCGQCYLVMCDGSKSNWCKNGATVTITATNLCP
PNWALPNDNGGWCNPPRPHFDMSPAWLNIGVYKAGIIPVLYQQVRCWKQGGIRFT
IGGFNSFELVLITNVGGPGSIRAVSIKGERTEWIQLTRNWXGANWQCTAALAGQALSFA
VTSINGETLYMYNVAPYWWQFGTTFTSNNQFSY*

CDS (coding sequence)

>BstEXPA-07

ATGGAGTACTACTACAAGACGCTCGTCGCGCTGCTTCTCGCAGTAGCGGCAGCAG
GCTCGGCGCCTGAGCTGGCGCAGGCGGGCTGGAGCCAGGGGACGGCGACGTTCT
ACGGCGGCTCCGACGCGTCGGGGACGATGGGCGGCGCTTGCGGGTACGGGAACC
TGTACAGCACGGGGTATGGCACGGCCACGGCGGCGCTGAGCACTGCGCTCTTCAA
CGACGGGGCGTCGTGCGGGCAGTGCTACCTGGTGATGTGCGACGGGTCCAAGTCC
AACTGGTGCAAGGGCAACGGCGCCACGGTGACCATCACGGCCACCAACCTCTGC
CCTCCCAACTGGGCTCTCCCAACGACAACGGCGGCTGGTGCAACCCTCCCCGCC
CCCACTTCGACATGTCCCAGCCCGCCTGGCTCAACATCGGCGTCTACAAGGCCGG
CATCATCCCCGTCTCTACCAGCAGGTGAGGTGCTGGAAGCAGGGAGGGATCAG
GTTACGATAGGAGGCTTCAACAGCTTCGAGCTGGTGCTGATACCAACGTGGGA
GGGCCGGGGTCGATCCGGGCCGTGTCGATCAAGGGGGAGAGGACGGAGTGGATC
CAGCTGACGAGGAACTGGGGAGCAAACCTGGCAGTGCACGGCGGCGCTGGCAGGG
CAGGCGCTCTCCTTCGCAGTCACCTCCATCAACGGCGAGACGCTCTACATGTACA
ACGTCGCGCCCTACTGGTGGCAGTTCGGCACACCTTCACCAGCAACAACAGTT
CAGCTACTAA

Nucleotide

>BstEXPA-07

TACACTCCAAACCCGAACCTGAATCACTTCCAAGTTAGTCTGCAGAATCTTGACCA
TCTCTCCTTACCAAAGATGGAGTACTACTACAAGACGCTCGTCGCGCTGCTTCTCG
CAGTAGCGGCAGCAGGCTCGGCGCCTGAGCTGGCGCAGGCGGGCTGGAGCCAGG
GGACGGCGACGTTCTACGGCGGCTCCGACGCGTCGGGGACGATGGGCGGCGCTT

GCGGGTACGGGAACCTGTACAGCACGGGGTATGGCACGGCCACGGCGGGCGCTGA
GCACTGCGCTCTTCAACGACGGGGCGTTCGTGCGGGCAGTGCTACCTGGTGATGTG
CGACGGGTCCAAGTCCAACCTGGTGCAAGGGCAACGGCGCCACGGTGACCATCAC
GGCCACCAACCTCTGCCCTCCCAACTGGGCTCTCCCAACGACAACGGCGGGCTGG
TGCAACCCTCCCCGCCCCACTTCGACATGTCCCAGCCCGCCTGGCTCAACATCG
GCGTCTACAAGGCCGGCATCATCCCCGTCTCTACCAGCAGTAAGCCAAGCCCC
GATCCACATATATATATAGTCCATGGTTCGGTCTCCATTATATTGTTTTGAGCTTCA
ATTTGACCGATGATGATGTACGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGAG
GTGCTGGAAGCAGGGAGGGATCAGGTTACAGATAGGAGGCTTCAACAGCTTCGA
GCTGGTGCTGATCACCAACGTGGGAGGGCCGGGGTCGATCCGGGGCCGTGTTCGATC
AAGGGGGAGAGGACGGAGTGGATCCAGCTGACGAGGAACCTGGGGAGCAAACCTG
GCAGTGCACGGCGGGCGCTGGCAGGGCAGGCGCTCTCCTTCGCAGTCACCTCCATC
AACGGCGAGACGCTCTACATGTACAACGTCGCGCCCTACTGGTGGCAGTTCGGCA
CCACCTTCACCAGCAACAACCAGTTCAGCTACTAATTAACCAATTTAAGTGAGTA
ACTCATTAGCGATCGAATTAATTCGTCTGCGAGCAAGCAGAAGCAGTGACGCGAT
CGGTTCGATCTCAACTCAAGTTGGAGTACGTAGTAGTACATCCTTATGTTTAGGTA
AAGAAATTATGTACGTAACATATACAGTGTTATTATTATATGAGCTCAGATGTTG
CTTGCTTTGCTG