

IDENTIFICATION

Species: *Brachypodium stacei*

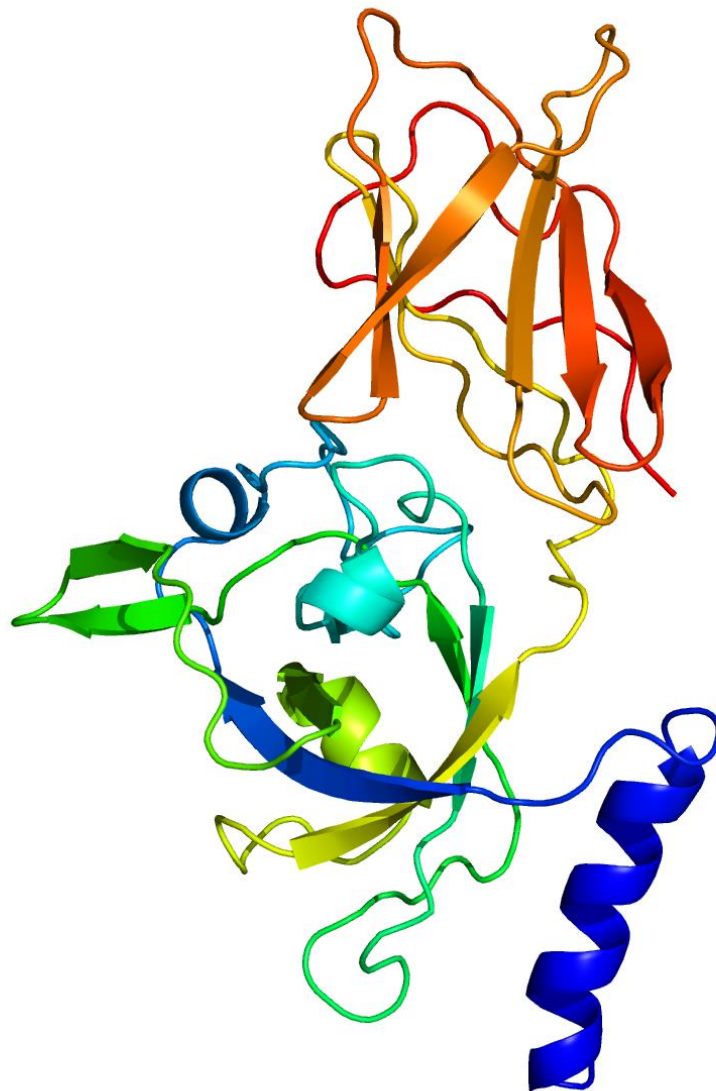
Locus: Brast01G318000

Gene Model: Brast01G318000.1.p

Description: BstEXPA-04

Family: Alpha Expansin

3D structure:



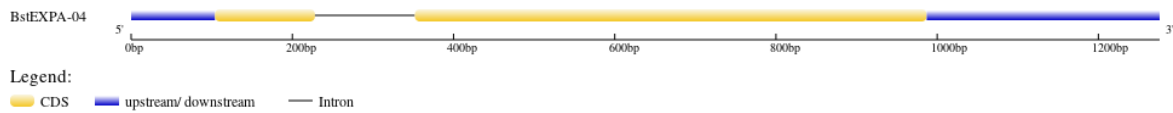
GENOME DATABASES

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

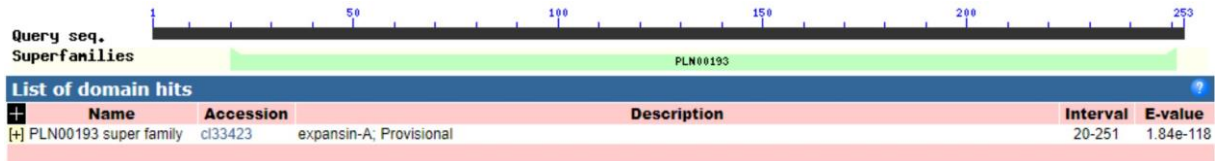
EXTERNAL RESOURCES

<https://brachypodium.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BstEXPA-04

MALINMLELLMLLAFLLRASAAQWTPATATFYGGADASGTMGGACGYGNLYGAGY
GTRTTALSTALFNNGASCGACFTIACDSRKRWCKPGAAPITVTATNFCPPNYALPND
NGGWCNPPRRHFDMSQPAWESIGVYRGGIVPVNYRRVRCGRTGGIRFTVNGHSYFE
LVLVTNVGGSGVVAQMWWKSGGGTGWMMAMTRNWGANWQSNAYLDGKSLSFRLR
SDDGRVVTAENVAPAGWWFGGTYTSGAQFY*

CDS (coding sequence)

>BstEXPA-04

ATGGCGCTCATCAATATGCTCGAGCTCCTGATGCTGTTGGCCTTCCTGCTCAGAGC
ATCGGCGGCTCAATGGACACCCGCCACGGCAACGTTCTACGGCGGGCGCCGACGC
CTCGGGCACCATGGGCGGGGCATGCGGGTACGGCAACCTGTACGGCGCAGGGTA
CGGCACGCGGACGACGGCGCTGAGCACGGCGCTCTTCAACAACGGCGCGTCGTG
CGGCGCGTGCTTCACCATAGCCTGCGACTCCAGAAAGTCGCGGGTGGTGCAAGCCG
GGCGCGGCGCCATCACGGTGACGGCCACCAACTTCTGCCCGCCAACTACGCGC
TCCCAACGACAACGGCGGGTGGTGCAACCCGCCCGGGCGGCACTTCGACATGTC
GCAGCCGGCGTGGGAGTCCATCGGCGTGTACCGGGGCGGCATCGTGCCCGTGAA
CTACCGGAGGGTGCGGTGCGGCCGACCAGGGGGCATCCGGTTCACCGTCAACGG
GCACAGCTACTTCGAGCTCGTGCTGGTGACCAACGTTGGGGGACGCGGCGTGGTG
GCGCAGATGTGGGTCAAGGGGTCCGGCGGCACGGGGTGGATGGCGATGACGAGG
AACTGGGGCGCGAACTGGCAGAGCAACGCGTACCTCGACGGGAAGAGCCTCTCG
TTCCGCCTTAGGTCCGATGACGGACGTGTGGTTACGGCGGAGAACGTCGCGCCCG
CCGGGTGGTGGTTCGGCGGCACGTACACGTCCGGGGCACAGTTCTACTGA

Nucleotide

>BstEXPA-04

CAGTTAAGTCAGCAGCGACATTCCGGTTAGCAGTAGCAGAGTACATTCTTCTACT
AGCTTAGCTAGTAGTACTGTGTCTCCTGATCAGGATCGAGAGCACCGATATGGCG
CTCATCAATATGCTCGAGCTCCTGATGCTGTTGGCCTTCCTGCTCAGAGCATCGGC
GGCTCAATGGACACCCGCCACGGCAACGTTCTACGGCGGGCGCCGACGCCTCGGG
CACCATGGGTCAAGTCAACTTAAGTCCAGATTGTACACATCCTGTTTGT

TGCCAGCCTACTCTGGGTACGTACGTAGCTGATGCTAACATGGACACGCACTAAC
GGTGT TTTGTGGATCTCACCAGGCGGGGCATGCGGGTACGGCAACCTGTACGGCGC
AGGGTACGGCACGCGGACGACGGCGCTGAGCACGGCGCTCTTCAACAACGGCGC
GTCGTGCGGGCGCGTGCTTCACCATAGCCTGCGACTCCAGAAAGTCGCGGGTGGTGC
AAGCCGGGCGCGGGCGCCATCACGGTGACGGCCACCAACTTCTGCCCGCCCAACT
ACGCGCTCCCCAACGACAACGGCGGGTGGTGCAACCCGCCCGGGCGGC ACTTCG
ACATGTCGCAGCCGGCGTGGGAGTCCATCGGCGTGTACCGGGGCGGCATCGTGCC
CGTGA ACTACCGGAGGGTGCGGTGCGGCCGGACCGGGGGCATCCGGTTCACCGT
CAACGGGCACAGCTACTTCGAGCTCGTGCTGGTGACCAACGTTGGGGGCAGCGG
CGTGGTGGCGCAGATGTGGGTCAAGGGGTCCGGCGGCACGGGGTGGATGGCGAT
GACGAGGAACTGGGGCGCGAACTGGCAGAGCAACGCGTACCTCGACGGGAAGA
GCCTCTCGTTCCGCCTTAGGTCCGATGACGGACGTGTGGTTACGGCGGAGAACGT
CGCGCCCGCCGGGTGGTGGTTCGGCGGCACGTACACGTCCGGGGCACAGTTCTAC
TGAAGTGCTTACCGATCCGTGACACGGAAAGTTAATGGCATGGATTACGCATTTT
CCGCCGTCGTGGTCTCCTCGTGTGGCTATTTACGCGCGTTCGGACTGTTTCTGTAT
GTACCGTGTTCTGCATTCGACGATGTGAGGTCGTGAACTGTCTATTTTGCATAGGG
CCGAACTGAAGGCCGCCACGAGGCAGGCAAGCACGCCACTCTTTGTCGATGTAGT
GCTTGCTTGCTTCAAAAATACAAAATTTCTGTGCAGATTAATGAAAAAAGTGT
AGTATGCCTGTGTTC