

IDENTIFICATION

Species: *Brachypodium stacei*

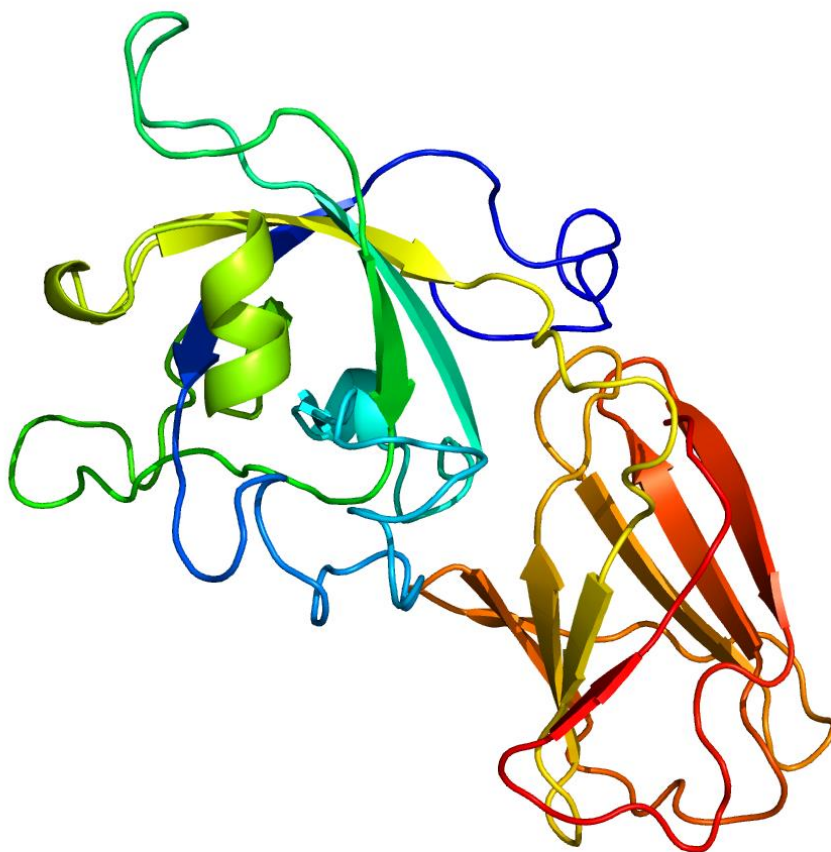
Locus: Brast02G196900

Gene Model: Brast02G196900.1.p

Description: BstEXPA-09

Family: Alpha Expansin

3D structure:



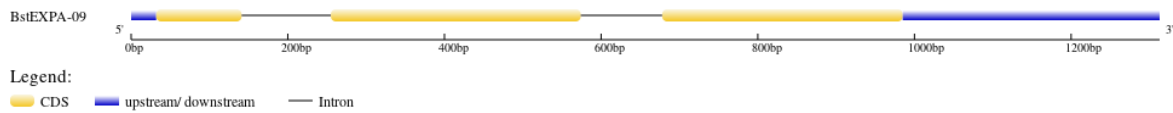
GENOME DATABASES

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

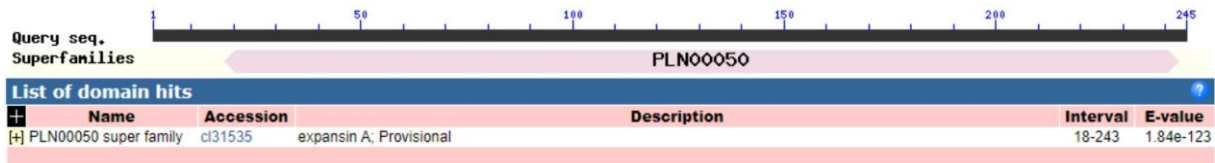
EXTERNAL RESOURCES

<https://brachypodium.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BstEXPA-09

MAFLLLLALLSLSSSADGWINAHATFYGGGDASGTMGGACGYGNLYSQGYGTDTA
ALSTALFGNGLSCGACFELRCAGAAGSCLPGAGSIVVTATNLCPPNYALPNDKGGWC
NPPLHHFDMSQPAFLRIARYRAGIVPVVYRRVACRRRGGIRFTINGHSYFNLVLSNV
GGAGDVRAVAVRGSRARWQAMSRNWQNWQSAARLDGQPLSFMVTASDRRSVVS
RNVAPPGWAFGQTFTGAQFR*

CDS (coding sequence)

>BstEXPA-09

ATGGCTTTCCTTTTGTGCTTGCTCTGCTTTCGCTGTCCTCGTCTGCCGACGGCTGG
ATCAACGCCACGCCACCTTCTATGGCGGCGGGCAGCCTCCGGCACCATGGGCG
GCGCGTGCGGGTACGGCAATCTGTACAGCCAGGGCTACGGCACCGACACGGCGG
CGCTGAGCACGGCGTTGTTCGGCAACGGGCTGAGCTGCGGCGCGTGTTCGAGCT
GCGCTGCGCGGGGGCCGCTGGGTGCTGCCGAGCGGGTTCATCGTGGTG
ACGGCCACCAACCTGTGCCCGCCAACTACGCGCTCCCAACGACAAGGGCGGCT
GGTGAACCCGCCGCTCCACCCTCGACATGTCCCAGCCGGCCTTCTCCGCAT
CGCCCGCTACCGCGCCGGCATCGTCCCGTCTGCTACCGCCGGGTGGCGTGCAGG
AGGAGGGGCGGCATCCGGTTCACCATCAACGGCCACTCCTACTTCAACCTGGTGC
TGGTGAGCAACGTGGGCGGCGCGGGCGACGTGCGCGCGGTGGCCGTCAGGGGCA
GCCGGGCGCGCTGGCAGGCCATGTCCAGGAAGTGGGGACAGAAGTGGCAGAGCG
CCGCGCGCCTCGACGGCCAGCCGCTCTCCTTCATGGTACGGCCAGCGACCGCCG
CTCCGTCGTCTCGCGCAACGTGCGCGCCCGCCGGCTGGGCGTTCGGCCAAACCTTC
ACCGGCGCCAGTTCCGTTGA

Nucleotide

>BstEXPA-09

GGGGGCACCTACCACGCACGGGCAGATCAGCAATGGCTTTCCTTTTGTGCTTGC
TCTGCTTTCGCTGTCCTCGTCTGCCGACGGCTGGATCAACGCCACGCCACCTTCT
ATGGCGGCGGGCAGCCTCCGGCACCATGGGTGAGCGAGCAACGGATTTCAGTTT
CCCGATCGATCGGCAACAATGTGCAATGCGCAGCAGTACTCTACCTATGCACGTT

GTGTTGACGAAACATCATATGTAATGTAATGCAGGCGGCGCGTGCGGGTACGGC
AATCTGTACAGCCAGGGCTACGGCACCGACACGGCGGCGCTGAGCACGGCGTTG
TTCGGCAACGGGCTGAGCTGCGGCGCGTGCTTCGAGCTGCGCTGCGCGGGGGCCG
CTGGGTCGTGCCTGCCGGGAGCGGGTTCATCGTGGTGACGGCCACCAACCTGTG
CCCGCCAACTACGCGCTCCCCAACGACAAGGGCGGCTGGTGCAACCCGCCGCTC
CACCCTTCGACATGTCCCAGCCGGCCTTCCTCCGCATCGCCCGCTACCGCGCCG
GCATCGTCCCCGTCGTCTACCGCCGGTACAGATGCTGTCACCGAGATCAAATTTT
GAGCCCTGCAAGCAGACACCAAGCTGGTGGTTTACTCATTAAAGCTGGTGCGGCTG
CATTGGAATGTACTTGCAGGGTGGCGTGCAGGAGGAGGGGCGGCATCCGGTTCA
CCATCAACGGCCACTCCTACTTCAACCTGGTGCTGGTGAGCAACGTGGGCGGGCG
GGGCGACGTGCGCGCGGTGGCCGTCAGGGGCAGCCGGGCGCGCTGGCAGGCCAT
GTCCAGGAAGTGGGGACAGAACTGGCAGAGCGCCGCGCGCCTCGACGGCCAGCC
GCTCTCCTTCATGGTCACGGCCAGCGACCGCCGCTCCGTCGTCTCGCGCAACGTC
GCGCCGCCC GGCTGGGCGTTCGGCCAAACCTTCACCGGCGCCCAGTTCCGTTGAG
ACCCACCAGATCCATCCTGTACAAGCATAACGAGGCTGCTATCTGCATGCTCTCTA
GTCTGTACAATTAACACTCGCCGGTTTTTCGTTTAAACAACAAGTGGCAACACATCT
GCGAAGTTCCTGCTTCCCAGGATCCAGAGTGTGCCGCGGTCTATATCTCACATG
AGAAGATGTGCGCCTGTGCCGCGGTCTTTTGTCTGCCTGCCATTATGATGCATCAT
AAGGAGTAAAACCGTGGACAAGGTTTATTATGATGCATCATATCTAAAACCATGT
CTCCTCCTTGAAAAAATATATATATATCTAAAACCATGTCTTCCATTGAG