

IDENTIFICATION

Species: *Brachypodium stacei*

Locus: Brast01G104300

Gene Model: Brast01G104300.1.p

Description: BstEXPA-01

Family: Alpha Expansin

3D structure:



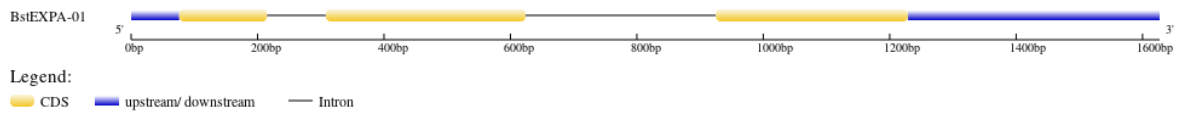
GENOME DATABASES

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

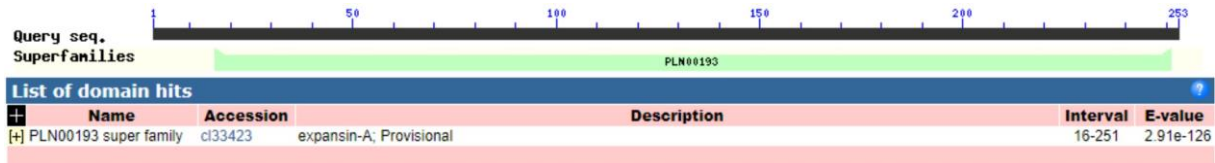
EXTERNAL RESOURCES

<https://brachypodium.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BstEXPA-01

MASSNALLLLLSAAFCFLARRAAGDYGSWQSAHATFYGGDDASGTMGGACGYGNL
YSTGYGTNTAALSTALFNDGAACGSCYELRCDNAGPAYCRPGSITITATNLCPPNYAL
PNDDGGWCNPPRAHFDMAEPAYLQIGVYRAGIVPVSYRRVPCVKKGGIRFTINGHSY
FNLVLVTNVAGAGDVQSVSIKGSSTGWQPMSRNWQNWQSNSDLGQSLSFRTLS
DGR TITSNGVAPAGWQFGQTFEGGQF*

CDS (coding sequence)

>BstEXPA-01

ATGGCCTCCTCCAATGCTCTGCTCCTGCTCTTGTCGCCGCCCTTCTGCTTCCTCGCC
CGGCGAGCCGCCGGCGACTACGGGTCTGTCAGAGCGCCACGCCACGTTCTAC
GGCGGCGACGATGCGTCCGGCACAATGGGCGGCGCTTGCGGGTACGGGAACCTG
TACAGCACGGGGTACGGCACGAACACGGCTGCGCTGAGCACGGCGCTGTTCAAC
GACGGCGCGGCTGCGGGTCTGCTACGAGCTGCGGTGCGACAACGCCGGCCCG
GCCTACTGCCGCCCCGGCAGCATCACAAATCACGGCCACCAACCTCTGCCCGCCAA
ACTACGCGCTGCCCAACGACGACGGCGGCTGGTGCAACCCGCCCGCGCGCACTT
CGACATGGCCGAGCCGGCTTACCTCCAGATCGGCGTCTACCGCGCCGGCATCGTG
CCAGTCTCCTACAGGAGGGTGCCCTGCGTGAAGAAGGGCGGGATCAGGTTACC
ATCAACGGCCACTCCTACTTCAACCTGGTGCTGGTGACCAACGTGGCCGGCGCAG
GGGACGTGCAGTCCGTGTCCATCAAGGGCTCCAGCACCGGCTGGCAGCCCATGTC
ACGCAACTGGGGCCAGA ACTGGCAGAGCAACTCCGACCTCGACGGCCAGAGCCT
CTCATT CAGGGT CACCCTCAGCGACGGCCGACCATCACCAGCAACGGCGTCGCG
CCC GCCGATGGCAGTTCGGACAGACCTTCGAAGGAGGCCAGTTCTAG

Nucleotide

>BstEXPA-01

CAACCATCGGTTCTGTTCTTCTGAGTAAGTTGGCCGGCCGCTTTAGGAAAAGCC
AGTGGCGCTCTGCTCTTCGCAATGGCCTCCTCCAATGCTCTGCTCCTGCTCTTGTC
CGCCGCTTCTGCTTCTCGCCCGGCGAGCCGCCGGCGACTACGGGTCTGGCAG
AGCGCCACGCCACGTTCTACGGCGGCGACGATGCGTCCGGCACAAATGGGTA
TGAGCTCGGTTTCATAGCACCGTCGAAAGTACATACATACAGTGGTATTTGGTTC

CGGACACACATATCTGACTGAAGCGTGTTGCAGGCGGCGCTTGCGGGTACGGGA
ACCTGTACAGCACGGGGTACGGCACGAACACGGCTGCGCTGAGCACGGCGCTGT
TCAACGACGGCGCGGCCTGCGGGTCGTGCTACGAGCTGCGGTGCGACAACGCCG
GCCCCGGCCTACTGCCGCCCCGGCAGCATCACAAATCACGGCCACCAACCTCTGCCC
GCCAAACTACGCGCTGCCAACGACGACGGCGGCTGGTGCAACCCGCCCCGCGC
GCACTTCGACATGGCCGAGCCGGCTTACCTCCAGATCGGCGTCTACCGCGCCGGC
ATCGTGCCAGTCTCCTACAGGAGGTGAGAATTAGGCCGGTGGCAAGCAAACTT
CTATTGACACTGCGTGTTCGGTGTTCGGTGGGGGGCTTAAACAGTTAAACTGAACC
CCCCATGGTCTCGCTCTCGCTCCATGTTAGGTGGGCCAGTCTGCAGATTTGGTGC
CGTAGCAGAACCATGCTGCCGCGTGATTATGGCTGGCAGCGACACGCCTTGCTTG
TTTTGGAATTAGTTTAGGCCGGCGTCACGTTTACTGAACTTGTAACCCGTGCAGT
TCTTTGTAAGTGAACTTTTGCCGTTTCACTGATGGTGTTTAATTGCAGGGTGCCCTG
CGTGAAGAAGGGCGGGATCAGGTTCAACCATCAACGGCCACTCCTACTTCAACCTG
GTGCTGGTGACCAACGTGGCCGGCGCAGGGGACGTGCAGTCCGTGTCCATCAAG
GGCTCCAGCACCGGCTGGCAGCCCATGTCACGCAACTGGGGCCAGAACTGGCAG
AGCAACTCCGACCTCGACGGCCAGAGCCTCTCATTCAAGGGTACCCTCAGCGACG
GCCGCACCATCACCAGCAACGGCGTCGCGCCCCGCCGGATGGCAGTTCGGACAGA
CCTTCGAAGGAGGCCAGTTCTAGCCTTCCATTCCAGGGGGGGGTGATGATCGAGT
TCTTTCTTGTCTGTGGATGGATTGCGCTTGGAGCTTGAGCAAGAGAAGGAAACCC
TCTTCGTTATAGTAAAAGAAGAGGCCTTCGGCCATTCCGAGGCTGCTTAATTTGTT
AGCACCCGCTTAGGCCTTCCCTTCTCTCATACTAGGACAGTAGCGATAAATAAGT
TATATATATGGGGTTGAGCATTCTTCTGCATTGTTTAGTGCCGTAGCCTTGCCTGAA
GCAAAAACGGCAAGGCGATTTATTAATTATGGATTTGTAGGGTGGTTGTGTCTGT
GTTTTGTAACCTTTTGTGTTAAGCTGTAACCCCCGAATCAGGCCACATGTGTGGGA
GATGTTTGTGGGGATACACTTGTTATTTTTGGG