

IDENTIFICATION

Species: *Brachypodium stacei*

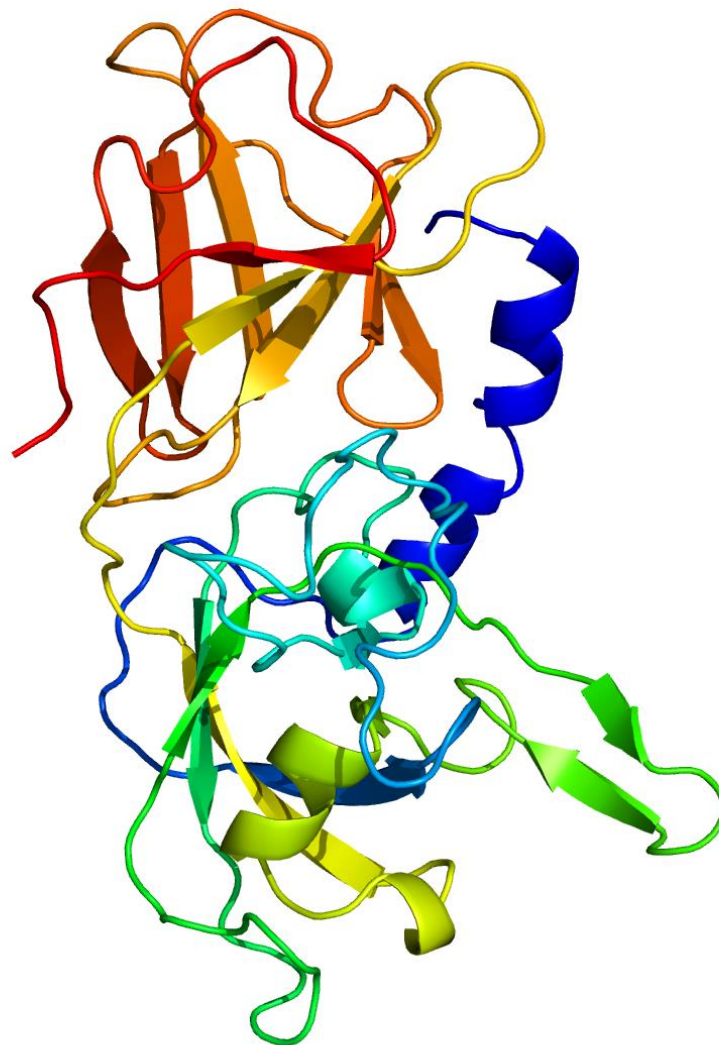
Locus: Brast02G046200

Gene Model: Brast02G046200.1.p

Description: BstEXPA-05

Family: Alpha Expansin

3D structure:



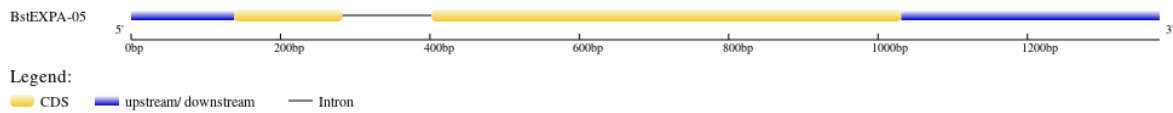
GENOME DATABASES

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

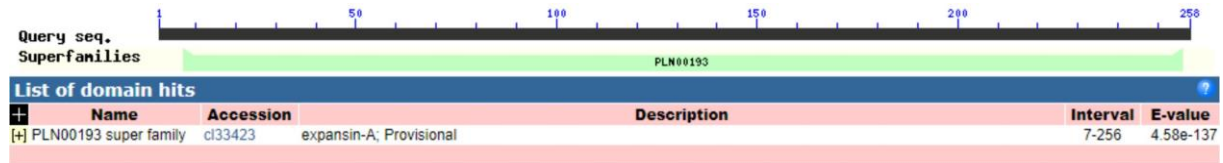
EXTERNAL RESOURCES

<https://brachypodium.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BstEXPA-05

MARSRALSRYLAVVVAAAYCLAAATPGGAADWISGSATFYGGSDASGTMGGACGYG
NLYSTGYGTNTAAMSTALFNDGAACGECYQVQCDSQNSQWCNKGATVTITATNLC
PPDYKSPSNNGGWCNPPRKHLDMAQPAWEKIGVYRAGIVPVMFRRVPCSRTAGVRF
TINGNDYFELVLITNVGGAGSISVQIRGARTGWVTMSRNWGANWQCNNYLNQGIS
FTVTATDGKKQVFQDVAPSNWRFQTFSSAVQFY*

CDS (coding sequence)

>BstEXPA-05

ATGGCGCGCAGCAGAGCCTTGTCGCGTACTTGGCCGTCGTTGTCGCGGCCTATT
GCCTCGCGGCTGCGACGCCCGGGGAGCTGCCGACTGGATAAGCGGCTCCGCGA
CGTTCTACGGCGGGAGCGACGCCTCCGGCACCATGGGCGGGGCTTGCGGGTACG
GGAACCTGTACTCGACGGGGTACGGGACGAACACGGCGGCGATGAGCACGGCGC
TGTTCAACGACGGGGCAGCCTGCGGGGAGTGCTACCAGGTGCAGTGCGACAGCC
AAAAC TCACAATGGTGCAACAAGGGCGCCACGGTAACCATCACGGCCACCAACC
TCTGCCCCGCCCCACTACTCCAAGCCCAGCAACAACGGCGGCTGGTGCAACCCGCC
CCGGAAGCACCTGGACATGGCCAGCCGGCCTGGGAGAAGATCGGCGTCTACCG
CGCCGGCATCGTCCCCGTCATGTTCCGGAGGGTGCCTTGCTCCAGGACCGCAGGC
GTGCGCTTACCATCAACGGGAACGACTACTTCGAGCTGGTGCTCATCACCACG
TGGGCGGGGCGGGCTCCATTTTCGTCCGTGCAGATCAGGGGGGCCAGGACCGGCT
GGGTCACCATGTCCAGGAAC TGGGGCGCGAACTGGCAGTGCAACA ACTACCTCA
ACGGACAGTCCATCTCGTTCACGGTCACCGCCACCGACGGCAAGAAGCAGGTCTT
CCAGGACGTCGCGCCCAGCAACTGGAGGTTTCGGGCAGACCTTCTCCAGCGCCGTC
CAGTTCTACTAG

Nucleotide

>BstEXPA-05

CAACTCGCACCGTTCCTCTCCTGTAGATCGGTTCGATCGATCCCGTTACCGCACGTC
GCCCGTCGAGGTGTACCCCGCGTACAATACAACGTGCGCGCATTGCTCTGTGTAT
CCGATTGAAGCCATTTCAACGAGAGAGATGGCGCGCAGCAGAGCCTTGTCGCGTT
ACTTGGCCGTCGTTGTCGCGGCCTATTGCCTCGCGGCTGCGACGCCCGGGGAGC

TGCCGACTGGATAAGCGGCTCCGCGACGTTCTACGGCGGGAGCGACGCCTCCGGC
ACCATGGGTACGCAAAAGAACAACACTACTCATTATTCGTTCTTCTGTCCGTGCAGT
TTAATTTTGCACCTTAGCTGCATTTGCGCGCATGACATGACGGATATACGTACACTG
ATTAATCGACCAGGCGGGGCTTGCGGGTACGGGAACCTGTACTCGACGGGGTAC
GGGACGAACACGGCGGCGATGAGCACGGCGCTGTTCAACGACGGGGCAGCCTGC
GGGGAGTGCTACCAGGTGCAGTGCAGACAGCCAAAACCTCACAATGGTGAACAAG
GGCGCCACGGTAACCATCACGGCCACCAACCTCTGCCCGCCCGACTACTCCAAGC
CCAGCAACAACGGCGGCTGGTGCAACCCGCCCGGAAGCACCTGGACATGGCCC
AGCCGGCCTGGGAGAAGATCGGCGTCTACCGCGCCGGCATCGTCCCCGTCATGTT
CCGGAGGGTGCCTTGCTCCAGGACCGCAGGCGTGCGCTTCACCATCAACGGGAAC
GACTACTTCGAGCTGGTGCTCATCACCAACGTGGGCGGGGCGGGCTCCATTTCTG
CCGTGCAGATCAGGGGGGCCAGGACCGGCTGGGTACCATGTCCAGGAACTGGG
GCGCGAACTGGCAGTGCAACAACCTCAACGGACAGTCCATCTCGTTCACGGT
CACCGCCACCGACGGCAAGAAGCAGGTCTTCCAGGACGTCGCGCCAGCAACTG
GAGGTTTCGGGCAGACCTTCTCCAGCGCCGTCCAGTTCTACTAGCCACGCGTGCCC
CGGCGCCCCCGCGCGCGCCGGCTTCGATCGCCTTGATTTTCATCTCAGTTTACTTAC
TTACCCCTTTTTTCTTCTTTGTTTCGCATTTGGGGAACCTGCATGCCAACGAGAC
CTTAAGATTAGCAGCAGCTGCATTGTGATGGAACTACTAGGCCGCCTGTTAGCT
ATAGGTGTACTGTAGCACGCACGGTGGTTTGCATGGCTGAGGTGGTGTCCATGGG
TTTTGCCGGCCTCATGTGTTAATTGCCCGCCGTGCCTGCCGCCTTGCATATGATG
TTTGCTCAATATGGGACCATGGAAACTGTTCGAAGAAGTATGAATATTTGACTGG
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