

IDENTIFICATION

Species: *Brachypodium stacei*

Locus: Brast03G134300

Gene Model: Brast03G134300.1.p

Description: BstEXPA-12

Family: Alpha Expansin

3D structure:



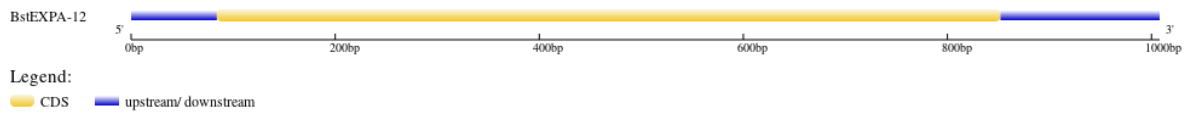
GENOME DATABASES

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

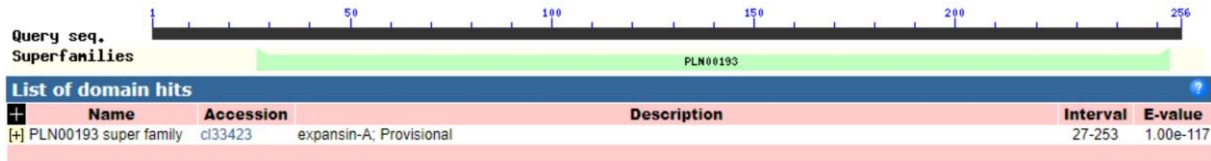
EXTERNAL RESOURCES

<https://brachypodium.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BstEXPA-12

MGRSTAKWLALCAPVLAALAAVCAADWSPATATFYGEADGSGTMGGACGYGNLY
DQGYGINNAALSTVLFNDGASCGQCFIIMCDASKSGWCKPGYGTITVSATNLCPPNW
ALPNDNGGWCNPPRQHFDMSQPAWETIAIYRAGIVPVLVYQRVKCWRTGGVRFIAG
FNYFELVLITNVGGSGSVASMSIKGSNTGWIQMSRNWGANWQCLAGLAGQALSFSV
TTTGGQNLVFDNVAPVWWQFGQTFGTYKQFDY*

CDS (coding hits)

>BstEXPA-12

ATGGGAAGGAGCACGGCAAAGTGGCTGGCTCTCTGCGCGCCGGTTCTCGCGGCGT
TGGCCGCGGTGTGCGCGGCGGATTGGTCCCCGGCGACTGCGACGTTCTACGGCGA
GGCCGACGGGTCCGGGACGATGGGCGGCGCTTTCGGGTACGGGAACCTGTACGA
CCAGGGCTACGGCATCAACAACGCGGCGCTGAGCACGGTGCTGTTCAACGACGG
GGCGTCCTGCGGGCAGTGTTCATCATCATGTGCGACGCCAGCAAGAGCGGGTGG
TGCAAGCCAGGGTACGGCACCATCACGGTGTCGCGACCAACCTGTGCCCGCCCA
ACTGGGCGCTCCCCAACGACAACGGCGGGTGGTGAACCCGCCGCGGCAGCACT
TCGACATGTCGCAGCCGGCCTGGGAGACCATCGCCATCTACCGTGCCGGCATCGT
GCCCGTGCTCTACCAGCGGGTCAAGTGCTGGCGCACGGGCGGGGTCAGGTTACCC
ATCGCCGGGTCAACTACTTCGAGCTTGTGCTCATCACC AACGTCGGCGGCAGCG
GCTCCGTGGCCAGCATGTTCGATCAAGGGCTCCAACACCGGGTGGATCCAGATGTC
GAGGA ACTGGGGTGCCAACTGGCAGTGCTCGCGGGGCTTGCCGGGCAGGCGCT
CAGCTTCAGCGTGACCACCACCGGTGGGCAGAACCTGGTCTTTGACAACGTCGCG
CCCGTCTGGTGGCAGTTCGGACAGACCTTCGGCACCTACAAGCAATTCGATTACT
GA

Nucleotide

>BstEXPA-12

GGAAATCCACAAGTACTCTTTTGACATAGATACATACGCACACAAATACGTATAG
TCTGTTTGTGTCGTCCTAAGTTGTCATCGACATGGGAAGGAGCACGGCAAAGTGGCT
GGCTCTCTGCGCGCCGGTTCTCGCGGCGTTGGCCGCGGTGTGCGCGGCGGATTGG

TCCCCGGCGACTGCGACGTTCTACGGCGAGGCCGACGGGTCCGGGACGATGGGC
GGCGCTTGCGGGTACGGGAACCTGTACGACCAGGGCTACGGCATCAACAACGCG
GCGCTGAGCACGGTGCTGTTCAACGACGGGGCGTCCTGCGGGCAGTGTTTCATCA
TCATGTGCGACGCCAGCAAGAGCGGGTGGTGCAAGCCAGGGTACGGCACCATCA
CGGTGTCGGCGACCAACCTGTGCCCGCCAACTGGGCGCTCCCCAACGACAACGG
CGGGTGGTGCAACCCGCCGCGGCAGCACTTCGACATGTCGCAGCCGGCCTGGGA
GACCATCGCCATCTACCGTGCCGGCATCGTGCCCGTGCTCTACCAGCGGGTCAAG
TGCTGGCGCACGGGCGGGGTCAAGTTCACCATCGCCGGGTTCAACTACTTCGAGC
TTGTGCTCATCACCAACGTCGGCGGCAGCGGCTCCGTGGCCAGCATGTCGATCAA
GGGCTCCAACACCGGGTGGATCCAGATGTCGAGGAACTGGGGTGCCAACTGGCA
GTGCCTCGCGGGGCTTGCCGGGCAGGCGCTCAGCTTCAGCGTGACCACCACCGGT
GGGCAGAACCTGGTCTTTGACAACGTCGCGCCCGTCTGGTGGCAGTTCGGACAGA
CCTTCGGCACCTACAAGCAATTCGATTACTGACCCGTGCTTGCATCATGCGTATAC
CATATCAGTGTTTTGTTTTGTTCTTGCGGTTTCCATCACACAGTCATATACCACAT
GTACGTAGCTTCGATGTTGTCCAAACATGAAGTTAAGAATCTATACAAAGACACA
ATTTATTAGTGC GTTACATTG