

IDENTIFICATION

Species: *Brachypodium stacei*

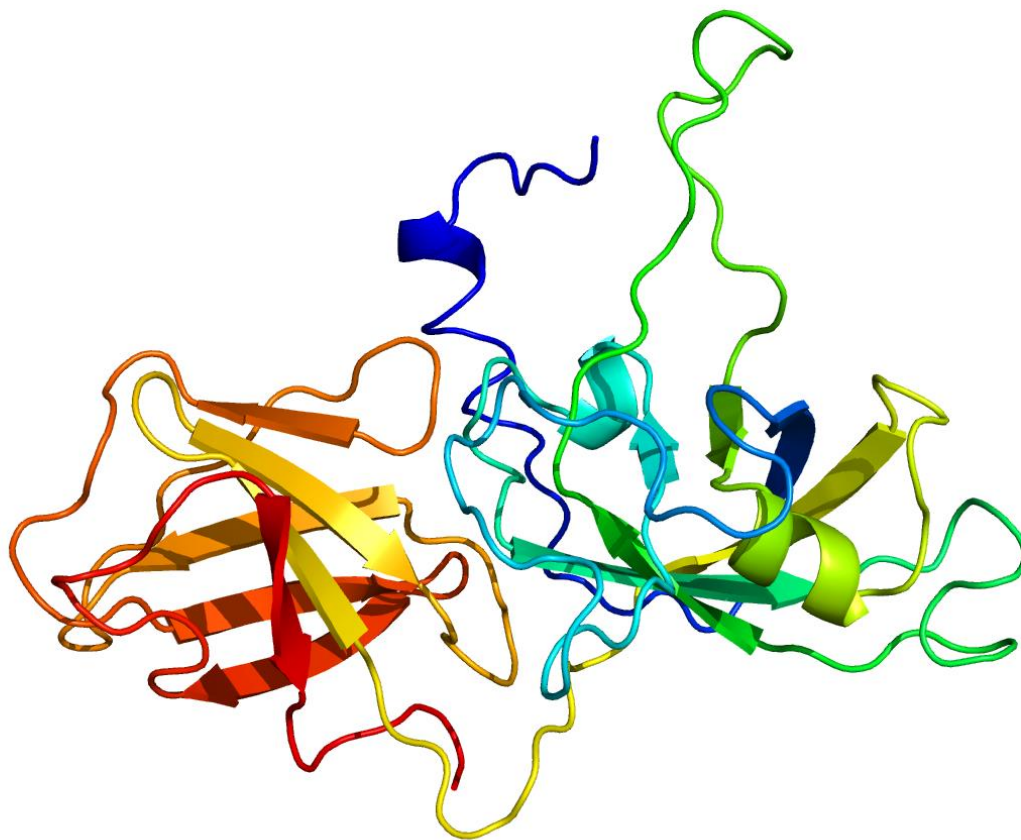
Locus: Brast02G046500

Gene Model: Brast02G046500.1.p

Description: BstEXPA-08

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

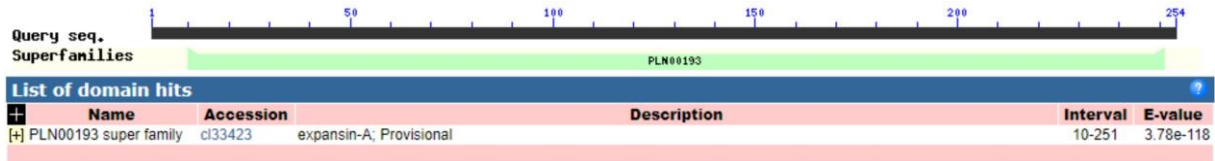
EXTERNAL RESOURCES

<https://brachypodium.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BstEXPA-08

MTGQRSMHLFAAVLAALCFARANSNWLPATATFYGEPDASGTMGGACGYGNLYDQ
GYGVSNTALSTALFNDGASCGQCYLIICDQSKSGWCKPGTSATVSATNFCPPNWALP
NDNGGWCNPPRVHFDMSQPSWETIAIYRAGIVPVLVYQQVKCWRYGGVRFIAGFNY
FELVLVTNVGGSGSVKSMVKGPNWTGWIQMSRNWGANWHCLAGLEKQPLSFALTS
TGGQYLVFQDAVPAGWQFGQTFITYRQFDY*

CDS (coding sequence)

>BstEXPA-08

ATGACGGGGCAACGTTCCATGCATCTGTTCCGCCGCTGTTCTGGCAGCACTGTGCTT
TGCGCGGGCCAACCTCCAACCTGGCTGCCGGCCACCGCCACGTTCTACGGCGAACCC
GACGCCTCCGGCACAATGGGCGGGCGCGTGTGGGTACGGGAACCTGTACGACCAG
GGGTACGGGGTGAGCAACACGGCGCTGAGCACGGCGCTGTTCAACGACGGGGCG
TCGTGCGGGCAGTGCTACCTGATCATCTGCGACCAGAGCAAGTCCGGGTGGTGCA
AGCCGGGCACGTCCGCCACGGTGTCCGCCACAACTTCTGCCCGCCCAACTGGGC
GCTCCCAACGACAACGGCGGCTGGTGCAACCCTCCCCGCGTCCACTTCGACATG
TCCCAGCCCTCCTGGGAGACCATCGCCATCTACCGCGCCGGCATCGTCCCCGTCC
TCTACCAGCAGGTGAAGTGCTGGAGGTACGGAGGGGTGAGGTTACCAATTGCCG
GGTTCAACTACTTCGAGCTGGTGCTGGTGACCAACGTTGGGGGGAGCGGGTCCGT
GAAGAGCATGGCCGTTAAAGGGCCTAACACCGGGTGGATCCAAATGTCCAGGAA
CTGGGGAGCCAACCTGGCATTGCCTGGCCGGGCTGGAGAAGCAGCCGCTCAGCTTC
GCGCTCACCTCCACCGGCGGGCAGTACCTCGTCTTCCAGGACGCCGTGCCCGCCG
GCTGGCAGTTCGGACAGACCTTCACCACCTACCGCCAGTTCGACTACTAG

Nucleotide

>BstEXPA-08

GCCACAATATCCAAGCTAGCTGCAAAGTTCTGCTATCTCGAGCAGAACAACCTGTCT
GTTGCAGAGAGTCCAGGGAGAAGATGACGGGGCAACGTTCCATGCATCTGTTCG
CCGCTGTTCTGGCAGCACTGTGCTTTGCGCGGGCCAACCTCCAACCTGGCTGCCGGC
CACCGCCACGTTCTACGGCGAACCCGACGCTCCGGCACAATGGGTACGCTGATT

TAAGCTTCCACAGTACCTCCGACACGATCAAAATGCATGTAAAAATGTGAAATTT
TAAGAGTACGCTGAACATGTACTIONACTGTTTTGCATTGCAGGCGGGCGCGTGTGGGT
ACGGGAACCTGTACGACCAGGGGTACGGGGTGAGCAACACGGCGCTGAGCACGG
CGCTGTTCAACGACGGGGCGTTCGTGCGGGCAGTGCTACCTGATCATCTGCGACCA
GAGCAAGTCCGGGTGGTGCAAGCCGGGCACGTCCGCCACGGTGTCCGCCACAAA
CTTCTGCCCGCCAACTGGGCGCTCCCCAACGACAACGGCGGCTGGTGCAACCCT
CCCCGCGTCCACTTCGACATGTCCCAGCCCTCCTGGGAGACCATCGCCATCTACC
GCGCCGGCATCGTCCCCGTCTCTACCAGCAGTAAGCTCTCACAGCCATCGGTAT
CATTTCGCATCGAAGAGATTGAAGAGTTAACCCGATCACAAATCTTTTGTCCAGGGT
GAAGTGCTGGAGGTACGGAGGGGTGAGGTTACCAATTGCCGGGTTCAACTACTTC
GAGCTGGTGTGGTGACCAACGTTGGGGGGAGCGGGTCCGTGAAGAGCATGGCC
GTTAAAGGGCCTAACACCGGGTGGATCCAAATGTCCAGGAACTGGGGAGCCAAC
TGGCATTGCCTGGCCGGGCTGGAGAAGCAGCCGCTCAGCTTCGCGCTCACCTCCA
CCGGCGGGCAGTACCTCGTCTTCCAGGACGCCGTGCCCGCCGGCTGGCAGTTCGG
ACAGACCTTCACCACCTACCGCCAGTTCGACTACTAGAACTAGAAAGAGCGAAA
GATTTGGAGTACATTGCTGCGCTCCGGATCGACTCGTACTATACGTACGTACGGC
CCGCGTACGTACATTTGATTGTACGTTCAATTGCACGTTCTTCTTCTTCTCCTCCTCC
TTCGATTCACTTGTTCGAGCTAGCGATGGAACCTCGTACGTACGTACGTACGGCAGGGTC
GCTAGATTGATTGTTCAATTTGCCGGTACAATGAACTG