

IDENTIFICATION

Species: *Brachypodium stacei*

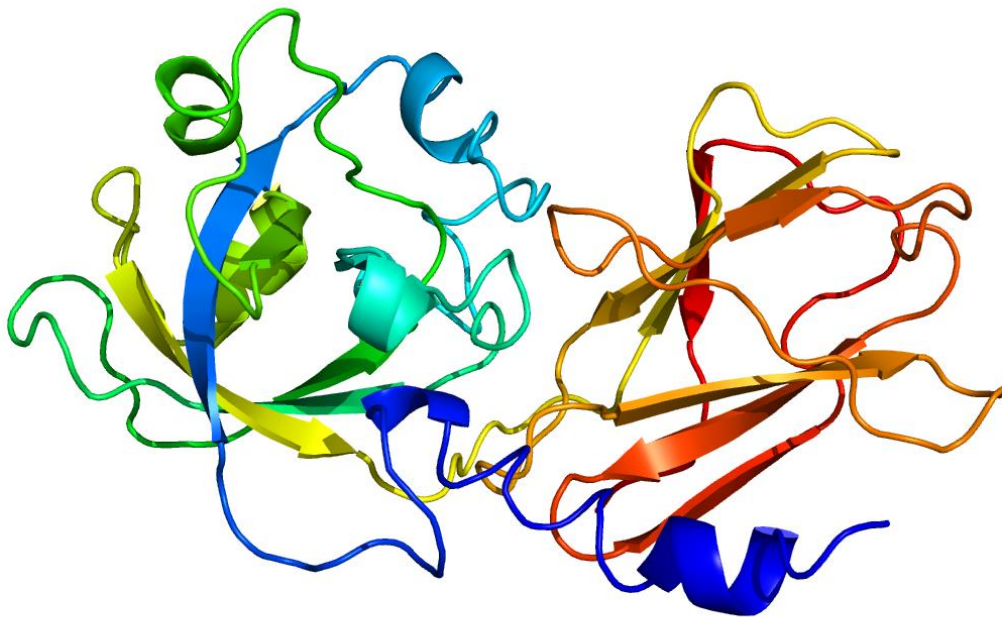
Locus: Brast03G048900

Gene Model: Brast03G048900.1.p

Description: BstEXPA-11

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

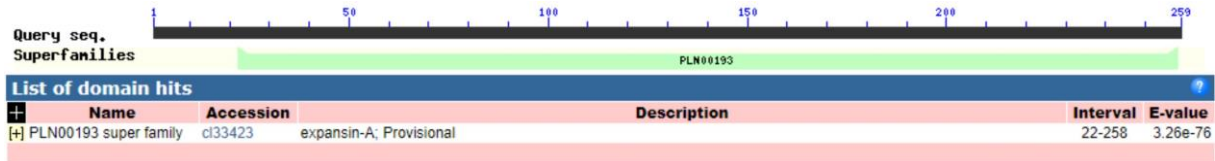
EXTERNAL RESOURCES

<https://brachypodium.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BstEXPA-11

MEKKSRLAMAALLMLATISLPV ASAEATGWMDAHATFYGDETGAETMQGACGYG
DLFQQGYGLDTAALS VSLFNAGAACGGCYEVHCASSPYCRPKGGPITITATNLCPAN
YSKPNENWCNPALHHDLSKPAFLRLVTDSHVGIIPVKYRRVKCGNKRGGVRFQMT
GDCRYWVGIVVFNVAGAGEVKELAVKGEREGVWREMRRNWGAVWDGGDVHRLV
GQGLSFRVVAGDGR TLELEGVAPASWAVGQSFQAKAQF*

CDS (coding sequence)

>BstEXPA-11

ATGGAGAAGAAGAGCCGACTAGCCATGGCGGCGCTCCTCATGCTGGCAACCATC
TCGTTGCCGGTGGCAAGCGCGGAAGCCACCGGATGGATGGACGCGCACGCCACG
TTCTACGGCGACGAGACCGGCGCCGAAACCATGCAGGGCGCGTGGCGGGTACGGG
GACCTGTTCCAGCAGGGCTACGGTCTGGACACGGCGGCCCTCAGCGTCTCCCTCT
TCAACGCCGGCGCGGCCTGCGGGCGGCTGCTACGAGGTCCACTGCGCCTCGAGCCC
ATACTGCAGGCCCAAAGGCGGCCCAATAACAATCACGGCCACGAACCTCTGCC
GGCCAACTACTCCAAGCCCAACGAGAACTGGTGCAACCCGGCATTACACCACTTC
GACCTCTCGAAGCCCGCCTTCCCTCCGCCTCGTCACCGACTCCCACGTCGGCATCAT
CCCGGTCAAGTACCGCCGCGTCAAGTGCGGTAACAAGCGTGGCGGTGTCCGGTTC
CAGATGACCGGGGATTGCCGGTACTGGGTGGGCATCGTCGTCTTCAACGTGCGCG
GTGCCGGAGAAGTTAAGGAGTTGGCTGTGAAGGGGGAAAGGGAGGGGGTTTGG
GGAGATGAGGAGGAATTGGGGGGCTGTTTGGGATGGAGGGGATGTCCATAGGC
TTGTTGGGCAAGGGCTCTCGTTTAGGGTTGTTGCTGGGGATGGGAGGACGCTGGA
GCTTGAGGGCGTAGCGCCGGCGAGCTGGGCTGTTGGGCAGAGCTTCCAAGCCAA
GGCACAGTTCTGA

Nucleotide

>BstEXPA-11

CATATTAGTACCAGAGGTTCGAGAGGAAGTAGTGTAATGGAGAAGAAGAGCCGAC
TAGCCATGGCGGCGCTCCTCATGCTGGCAACCATCTCGTTGCCGGTGGCAAGCGC
GGAAGCCACCGGATGGATGGACGCGCACGCCACGTTCTACGGCGACGAGACCGG
CGCCGAAACCATGCGTAATTCTCCTTCTATTTCTAAATTTTTGTTGTGGTTTTAGTT

CAAATTGCCTTTTCTCTCGAGCCATCCCCTTAATTTACTCACCTTACGTGATTGGC
ACATGTCAAATTTACATCTCTAATTAACATTTCTCACGCACACGTGCGTTTCATC
ATGTCTGCATCATGCAGAGGGCGCGTGCGGGTACGGGGACCTGTTCCAGCAGGG
CTACGGTCTGGACACGGCGGCCCTCAGCGTCTCCCTCTTCAACGCCGGCGCGGCC
TGCGGCGGCTGCTACGAGGTCCACTGCGCCTCGAGCCCATACTGCAGGCCCAAAG
GCGGCCCAATAACAATCACGGCCACGAACCTCTGCCC GGCCAACTACTCCAAGCC
CAACGAGA AACTGGTGCAACCCGGCATTACACCACTTCGACCTCTCGAAGCCCGCC
TTCCTCCGCCTCGTCACCGACTCCCACGTGCGGCATCATCCCGGTCAAGTACCGCCG
CGTCAAGTGCGGTAACAAGCGTGCGGCTGTCGCGTTCCAGATGACCGGGGATTGC
CGGTA CTGGGTGGGCATCGTCGTCTTCAACGTCGCCGGTGCCGGAGAAGTTAAGG
AGTTGGCTGTGAAGGGGGAAAGGGAGGGGGTTTGGAGGGAGATGAGGAGGAAT
TGGGGGGCTGTTTGGGATGGAGGGGATGTCCATAGGCTTGTTGGGCAAGGGCTCT
CGTTTAGGGTTGTTGCTGGGGATGGGAGGACGCTGGAGCTTGAGGGCGTAGCGCC
GGCGAGCTGGGCTGTTGGGCAGAGCTTCCAAGCCAAGGCACAGTTCTGAGGTTTC
TTGATGGGATCATTGTTGATCAGGTAGTTCTAGCTTAGCCTAGATTCATTGCTAGG
TAGCTGCTGGCTTTGTGATCCACAAATGTAACGTGG