

IDENTIFICATION

Species: *Brachypodium stacei*

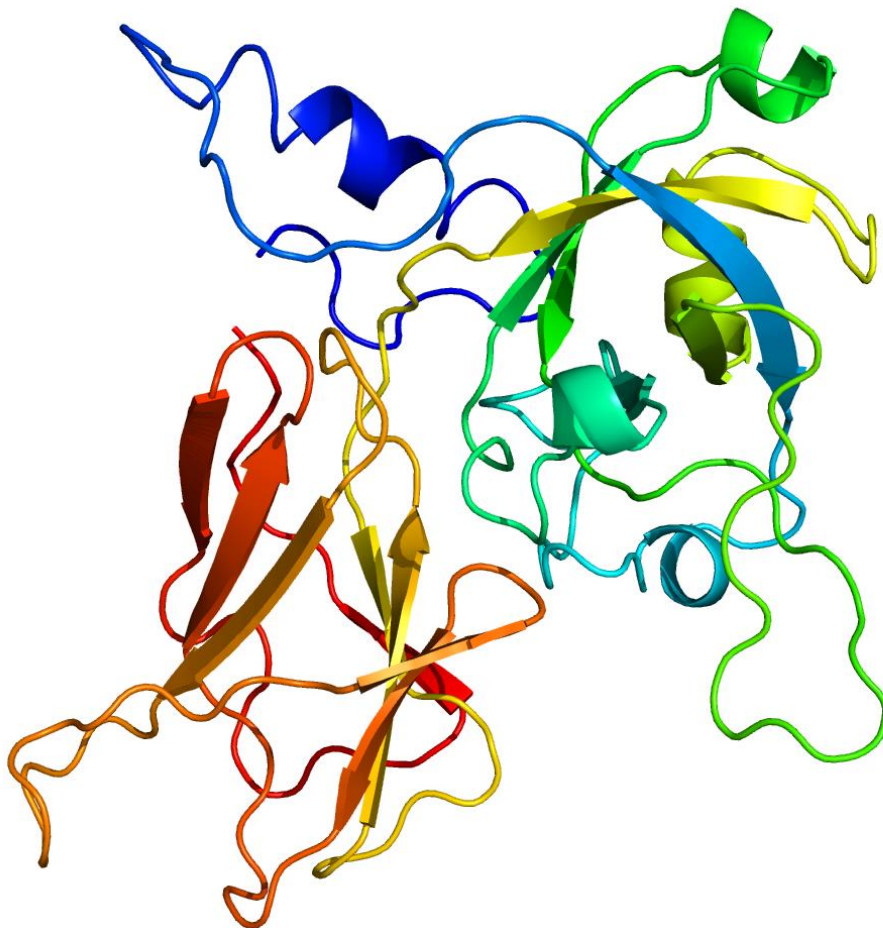
Locus: Brast03G183400

Gene Model: Brast03G183400.1.p

Description: BstEXPA-16

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

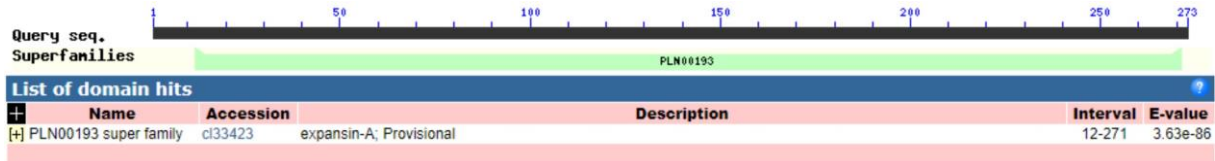
EXTERNAL RESOURCES

<https://brachypodium.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BstEXPA-16

MGRKAMASAPSMTTATAILALLVSLAGVATTAHGRFTATQWTPAHATFYGDETAEE
TMGGACGYGNLYATGYGTDTAALSTTLFLDGYGCGTCYQMRCVGGAPACYRGSPI
TVTATNLCPPNWEQDSNAGGWCNPPRTHFDLAKPAFMKMAAWRAGIVPVMYRRVP
CVRKGGRLRFAFQGNPYWLLVYVMNVAGAGDVRDMWVKSCDGGGHVQGWVRMS
HNWGAAFQAFGQLGGHALSFKLTSYTTGQTIIAADAAPRSWSLGLTYQARANFS*

CDS (coding sequence)

>BstEXPA-16

ATGGGAAGGAAAGCAATGGCTTCTGCTCCGTCCATGACCACGGCCACGGCCATCT
TGGCCCTCCTCGTCTCCCTGGCCGGCGTGGCCACCACCGCGCACGGCAGGTTAC
GGCGACGCAGTGGACCCCCGCCACGCCACCTTCTACGGCGACGAGACCGCGGC
GGAGACCATGGGCGGGGCGTGCGGGTACGGCAACCTGTACGCGACAGGGTACGG
CACGGACACGGCGGCGCTGAGCACGACGCTGTTCCCTGGACGGCTACGGGTGCGG
GACGTGCTACCAGATGCGGTGCGTGGGGGCGCCGGCCTGCTACCGGGGCTCGCC
GGTGATCACGGTCACCGCGACCAACCTGTGCCCGCCAACTGGGAGCAGGACTCC
AACGCCGGCGGCTGGTGCAACCCGCCGCGCACCCACTTCGACCTCGCCAAGCCGG
CATTGATGAAGATGGCGGCCTGGCGCGCCGGCATCGTGCCAGTCATGTACCGCAG
GGTGCCGTGCGTGCGCAAGGGCGGGCTGCGCTTCGCGTTCCAGGGGAACCCTTAC
TGGCTGCTCGTCTACGTCATGAACGTCGCCGGCGCCGGGGACGTCCGGGACATGT
GGGTCAAGAGCTGCGACGGCGGCGGCCACGTCCAGGGATGGGTGCGGATGAGCC
ACAACTGGGGCGCCGCGTTCAGGCATTCGGTCAGCTCGGCGGCCACGCGCTCAG
CTTCAAGCTCACCTCCTACACCACCGGGCAGACCATCATCGCCGCCGACGCTGCG
CCGCGGAGCTGGTCCCTCGGGCTCACGTACCAGGCACGCGCCAACCTTCTCCTAG

Nucleotide

>BstEXPA-16

CACTACACACACAAGCAATGGGAAGGAAAGCAATGGCTTCTGCTCCGTCCAT
GACCACGGCCACGGCCATCTTGGCCCTCCTCGTCTCCCTGGCCGGCGTGGCCACC
ACCGCGCACGGCAGGTTACGGCGACGCAGTGGACCCCCGCCACGCCACCTTCT
ACGGCGACGAGACCGCGGCGGAGACCATGGGTACGTTTACTTGACAAGCTAGT

CCATCGACAATGGCAATTGGCAATGGCAACGGCACGCCGCCAGACTCGTTTGCTG
ACACATGCGACACGTTGATACGCAGGCGGGGCGTGCGGGTACGGCAACCTGTAC
GCGACAGGGTACGGCACGGACACGGCGGCGCTGAGCACGACGCTGTTCTGGAC
GGCTACGGGTGCGGGACGTGCTACCAGATGCGGTGCGTGGGGGCGCCGGCCTGC
TACCGGGGCTCGCCGGTGATCACGGTCACCGCGACCAACCTGTGCCCCGCCAACT
GGGAGCAGGACTCCAACGCCGGCGGCTGGTGCAACCCGCCGCGCACCCACTTCG
ACCTCGCCAAGCCGGCATTTCATGAAGATGGCGGCCTGGCGCGCCGGCATCGTGCC
AGTCATGTACCGCAGGGTGCCGTGCGTGCGCAAGGGCGGGCTGCGCTTCGCGTTC
CAGGGGAACCCTTACTGGCTGCTCGTCTACGTCATGAACGTCGCCGGCGCCGGGG
ACGTCCGGGACATGTGGGTCAAGAGCTGCGACGGCGGCGGCCACGTCCAGGGAT
GGGTGCGGATGAGCCACAACCTGGGGCGCCGCGTTCCAGGCATTCGGTCAGCTCG
GCGGCCACGCGCTCAGCTTCAAGCTCACCTCCTACACCACCGGGCAGACCATCAT
CGCCGCCGACGCTGCGCCGCGGAGCTGGTCCCTCGGGCTCACGTACCAGGCACGC
GCCAACTTCTCCTAGGGGGCGGCCGGCCGGCCGAAATGTGAAGCACATCAAGTA
GCAGGAGCTGACGGTGCTCTGCTCGGCTGTGGTTTTTTGCTTTCGTATACCAAATT
TTCGGTTCAGTATATTGATGTACACGTTGCCCCCGATCCATGTGTAATAGCGGGT
TTGACGCACACGAT