

IDENTIFICATION

Species: *Brachypodium stacei*

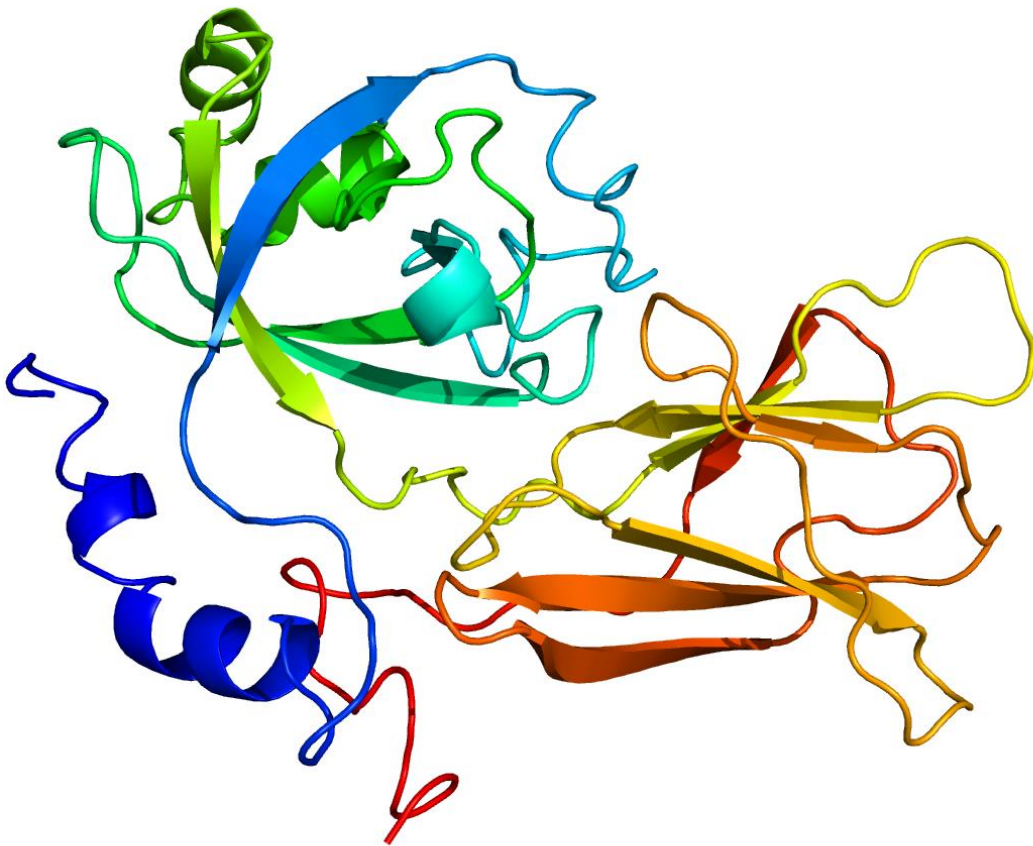
Locus: Brast02G029900

Gene Model: Brast02G029900.1.p

Description: BstEXLA-02

Family: Expansin Like Alpha

3D structure:



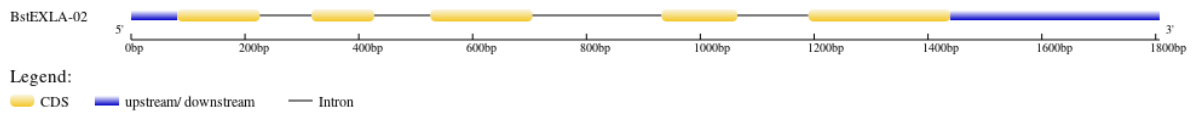
GENOME DATABASES

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

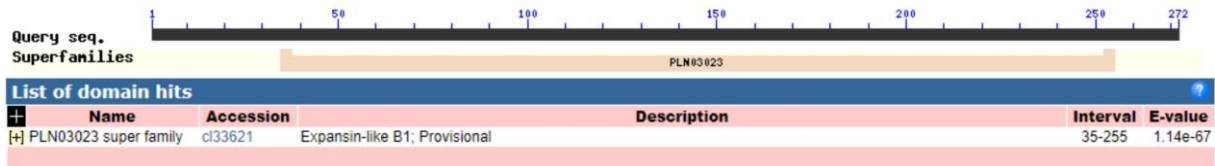
EXTERNAL RESOURCES

<https://brachypodium.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BstEXPA-02

MEFLGLLALAVAAMLGVVTGNDSSWSSGRATFYGGMDASGTMGGACGYGNIFSAG
YGTNTAALSTALFNNGQSCGACFEVRCAGGSSCLSGSVVVTATNLCPPNYGLPNDGD
GWCNPPQSHFDMAEPVFTKIAQFRAGVVPVQYRRVACVKQGGIRFTVTGHSYFNLV
LIANVAGAGDLKAVVVKSPKTGWLPMShNWGANWQNGAMLDGQPLSFRVTTSDD
RTITSTNVAPAGWNFGQTYSGGQF*

CDS (coding sequence)

>BstEXPA-02

ATGGAGTTTCTAGGCTTGCTAGCTCTTGCTGTTGCCGCCATGCTGGGAGTCGTCAC
TGGCAACGACTCATCCTGGAGCAGTGGCCGTGCCACGTTCTATGGCGGCATGGAT
GCATCCGGGACAATGGGAGGAGCGTGTGGGTACGGCAACATATTCAGCGCAGGG
TACGGGACGAACACGGCAGCGCTCAGCACGGCGTTGTTCAACAATGGGCAGAGC
TGCGGCGCTTGCTTTGAGGTCCGTTGCGCCGGTGGGAGCAGCTGTCTATCGGGCT
CCGTGGTCGTAACGGCCACCAATCTCTGCCCGCCAACTACGGGCTCCCCAATGA
TGACGGCGGATGGTGCAACCCACCGCAGTCGCACTTCGACATGGCTGAGCCCGTG
TTCACAAAGATCGCCCAATTCGTTGCCGGCGTTGTGCCCGTCCAGTACAGAAGGG
TGGCTTGTGTCAAGCAGGGTGGCATCCGGTTCACCGTCACCGGCCACTCCTACTT
CAACCTGGTGCTCATAGCCAATGTCGCCGGCGCCGGTGACCTGAAGGCAGTGTGG
GTGAAGTCTCCCAAGACAGGGTGGCTGCCCATGAGCCACAACCTGGGGTGCTAACT
GGCAGAATGGTGCCATGCTCGACGGCCAGCCACTGTCGTTCCGGGTCACCACGAG
CGACGACCGAACCATCACCTCGACCAACGTAGCGCCTGCCGGCTGGAACCTTTGGC
CAGACCTACTCCGGTGGCCAGTTCTAG

Nucleotide

>BstEXPA-02

ATGGGGGGGAGAAATAACTGCTGGGCGAAAACCTGAATGCCTGATGCAGAAAAT
GGCAACTATCATGAAGGTAATACTGCTGACTGCTTTCACCTATTAATTTTCTACT
GCAAGAAAATTGTCCAGCTTTGTTTTGTAGCAAAAAGAATAGATTAAACAGGTGCT
TCCTGCTCTTTACTTATAGTCGTAAACATATTAATTCTTAGCTCATTACTCCATCA

GATAGTGTGTGCTCGATCCTTTTTCTTCTAGTTTTTAGGTTTAGCATCTTTGAGCATG
GTTGTACCATAACTACTAAAACCTTCAAACCCAGCATCTTTAAGCTAATTAGGAC
TATTTCTCTTTTGACACCTTTTTCTCTTTTGATAGTGTGGTCGTCTTTGTCATAGTT
GCATGCAGTCCAAATAGTACAATGCAACACATTATACATATATAGGTCTTACATA
CACTCAGCAAATTTCCAGCCTTCAGAGTGAAGCTACCATATGTTTACCTTGTAGA
CATGCCATTTTAAACAGCAGCCGACATAACTAACCACATTTAAAATGGATAATGAC
CTCGTGGAAAGCAAACACTACCACATGAGACACTGGCTTAAATTTGAAGGGAGTT
AGAAGTCAAATGAACTTGGTATTGGTGCCAGTGGCCAAAAGTAAAATGTATCC
AATCTTTTAAATCTCTGCAGTGGATTGACTATTAACATATCTGTCACAATATCGCCT
CTCCTTGATAGATGAGAAGTCAAGGTCTTGTACAGTTTCTTATTAGAGATGATA
GATTGATAGTACAGGTGCCCATTTGCCCATGTTTCCAGATAACTTTTTTACTGTCA
ACTATCCATGCCAAAATACTCCCTCCGATCCATAAAAAGTGTGCGCCACTTGGT
ACAAAATAGGCGACGCTTTTTATGGATCGGAGGGAGTACCAGTTTTTTTTAGACGG
AAAGACATCACTGCCCGGCTTTGTAGATAAATCCCCCGCCAAAATAATCATTAC
TGACCATATATACAAACATATCTTTTTCAGAAATGCTCCATTGTATCGCCGACAGG
TGGGCCTGACCATTTCGAATTTACAGCACTGAACATGTAGTAATAACTATTATTA
GCATAGGCATCCGTAGTTAAAGGTTTCTTAAACAGAAGTAAGATTGATTCGTACAA
CACTTTACTTCTCACGATTTTCATATACAGAGCATCCTGACGTACGCCTATATATAG
GTAGCAGCTTCCGTGTTAGGATCCTCCACCCTATCCAGCATCTCTGTACTTGCAAGT
CCAGGCGTTGAGGTAGCAAAGCCTAGTTGCTTAGCACTGTAAGTACATGGATGAA
ATGATTAATCCCTAGCTTGATCTATATATAACCTTGTACTTGATTTCTCCTGCAGT
TTTTGTCTGTATGCACTAGTTAAACTACTGTTTGTCTGATTTACAGAAGTATTCCAT
ACATACATGGAGTTTCTAGGCTTGCTAGCTCTTGCTGTTGCCGCCATGCTGGGAGT
CGTCACTGGCAACGACTCATCCTGGAGCAGTGGCCGTGCCACGTTCTATGGCGGC
ATGGATGCATCCGGGACAATGGGTAAAGCGGGAGGTTTTATAGGCAACTCTTACTT
CAACTGTTGAATGCTAGTACATGCAAACATGTTAGCTGATCCTTGTGATCGATGT
GGTGTGTGCAGGAGGAGCGTGTGGGTACGGCAACATATTCAGCGCAGGGTACGG
GACGAACACGGCAGCGCTCAGCACGGCGTTGTTCAACAATGGGCAGAGCTGCGG
CGCTTGCTTTGAGGTCCGTTGCGCCGGTGGGAGCAGCTGTCTATCGGGCTCCGTG
GTCGTAACGGCCACCAATCTCTGCCCGCCAACTACGGGCTCCCCAATGATGACG
GCGGATGGTGCAACCCACCGCAGTCGCACTTCGACATGGCTGAGCCCGTGTTTAC
AAAGATCGCCCAATTCCGTGCCGGCGTTGTGCCCGTCCAGTACAGAAGGTAACAA
TCGGTGACCAATCTGGCCTAGTGCCTCACTCACCTGCCTGTCTGTCTCAGATC
GAGCTAATACATGTTTGTCTTACTGTGTAGGGTGGCTTGTGTCAAGCAGGGTGGC
ATCCGGTTCACCGTCACCGGCCACTCCTACTTCAACCTGGTGCTCATAGCCAATGT
CGCCGGCGCCGGTGACCTGAAGGCAGTGTGGGTGAAGTCTCCAAGACAGGGTG
GCTGCCCATGAGCCACAACCTGGGGTGCTAACTGGCAGAATGGTGCCATGCTCGAC
GGCCAGCCACTGTCGTTCCGGGTACCACGAGCGACGACCGAACCATCACCTCGA
CCAACGTAGCGCCTGCCGGCTGGAACCTTTGGCCAGACCTACTCCGGTGGCCAGTT
CTAGCCGGTCAGCCAGCGGTGCAGATTCTTATTTTAGTTTCTCAGTTTGTCAATG
TCGCCGGAGGATGGCTCTGTTTTGAAGTGGCCATCCTCTCAGTGGCATAACTGCTT
CGCTGGTTACCGTTTTTGCTCCCCGCGAGGGCGTCACATTTTTCGCCGGTCTGGCGT
TTTTACCCTAAGTAGGCATATTATGCAGGGATGCTCTTAGTCTTAGGTTTGAACCTC
AGAAAATTAAGTAATGGCTGGCAGTGGAGACGAGCACAAATGACTGGTCACCCGC
CCATGGGATTAACCGATGGTTGTATCTTTGCATGCTAAAACCTAATGGAATGTGT
TTGGGA