

IDENTIFICATION

Species: *Brachypodium stacei*

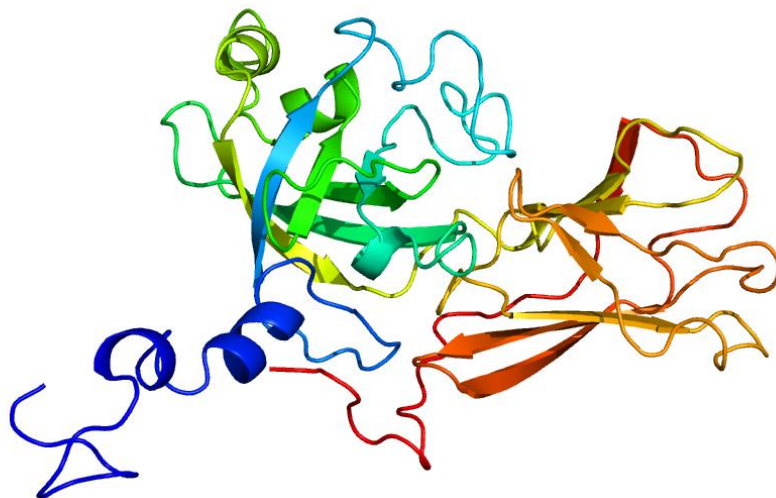
Locus: Brast03G186200

Gene Model: Brast03G186200.1.p

Description: BstEXLA-03

Family: Expansin Like Alpha

3D structure:



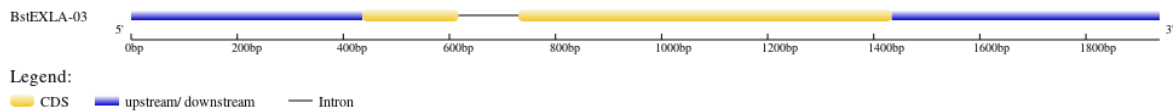
GENOME DATABASES

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

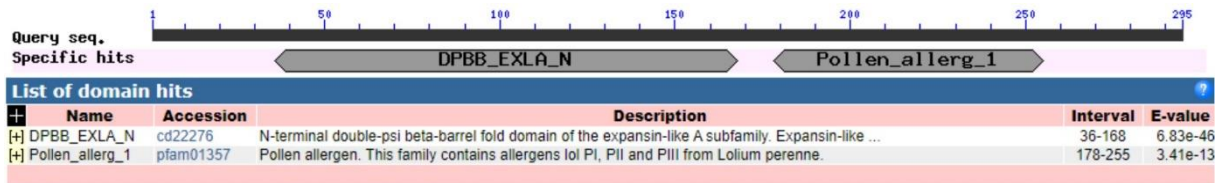
EXTERNAL RESOURCES

<https://brachypodium.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BstEXLA-03

MAAALSACPMESAGSRLLLLLLAFLEAVIGGGSTPASACVSCVRRSKASYRASSPAL
DNAGSCGYGVLATTLDAGLLAAVSPALYRDGAGCGACYQVRCTDAGLCSTSGAR
VVATDLQARVTGHADLVLSGAAYAAMARGGAGTPAARELRERRAVKVEYRRVPCF
PHGGHRNLSVRVEEGAPEGQLAVRFLYQGGQTDIVAVDVAAAGSSSGWRPMARER
GGPAWRRTTGRGAPEGPLRMRMVVTGGYDGKWVWADGEVIPRQWKAGR VYDTGV
QIADVALDGCHGDSRDWR*

CDS (coding sequence)

>BstEXLA-03

ATGGCGGCAGCCTTGTCCGCCTGCCCTATGGAGAGCGCTGGCTCGCGCTTGCTCC
TCCTCCTCCTCGCCTTCTTTCATCGCCGTCATCGGCGGCGGTTGACTCCGGCT
TCGGCGTGCGTCAGCTGCGTGCGCCGGTCCAAGGCCTCGTACCGCGCCTCCTCCC
CCGCCCTGGACAACGCCGGTTCTTTCGGGCTACGGCGTCCTGGCCACGACCCTGGA
CGCCGGCGGTCTCCTCGCCGCCGTAAGCCCGGCGCTGTACAGGGACGGCGCCGGT
TGCGGCGCGTGCTACCAGGTCCGGTGCACGGACGCCGGCCTCTGCAGCACGTCCG
GCGCCAGGGTGGTCGCCACGGACCTCCAGGCGCGCGTCACGGGCCACGCGGACC
TCGTGCTCAGCGGCGCGGCGTACGCGGCCATGGCCCGCGGCGGCGCCGGCACGC
CCGCCGCGCGGGAGCTCAGGGAGCGGCGCGCCGTGAAGGTGGAGTACAGGCGCG
TGCCGTGCGAGCCCCACGGCGGGCACCGCAACCTCTCTGTGCGCGTGGAGGAGG
GCGCGCCGGAAGGGCAGCTGGCGGTCCGGTTCCTGTACCAGGGCGGGCAGACGG
ACATCGTGGCCGTGGACGTGGCGGCTGCCGGGTCGTCCGGGTGGAGGCCCAT
GGCCCGGGAGCGCGGCGGGCCGGCGTGGAGGACGACGGGCCGGGGCGCGCCCG
AGGGCCCGTTAAGGATGAGGATGGTGGTGACCGGAGGGTACGACGGGAAGTGGG
TGTGGGCCGACGGGGAGGTCATCCCGCGGCAGTGGAAGGCCGGACGGGTGTATG
ACACAGGGGTCCAGATCGCCGACGTGGCTCTGGATGGGTGCCACGGCGACAGCC
GAGATTGGAGGTGA

Nucleotide

>BstEXLA-03

TGCCTGCGGATGGGGCGTCGTGGGTTACCCGAGTTTATCCTAGTACTCGCTCACTC
GCCACGTCGCCGGACGCGTGTCCAGCCAGGACGAGCCTTTGGTTCGGTGGCCACT
CAACCTCCATCTCTATATCCACCCCACGCGGGAAGCAGCGAGCGCGCCTTCCTCC
CAATCCTAATTCCCAAGTCCCGCCCAGTTAAATCCCAGCCGTGTCGCGCGGCC
AAAACATTCTGCCCCGTTCCACGAGACCAGGGCCGTCAGCCGCGCCAGATACTAGT
GCCGCAGCGGCAGCAACTTGCCAACGTGCCGCGTCGAGTATTAAGCTTAGCTCGA
GCCTTTCTTCCCCGCAAGAATCCTCTGTTCTGTTCTGTTTCGATCTCACCCAAGAGA
ACTCCTTGGAGTAACACGCGTCTTCAAGCTCGATCGATTTCGATCCGTTTCATGGCG
GCAGCCTTGTCCGCCTGCCCTATGGAGAGCGCTGGCTCGCGCTTGTCTCTCTCTCT
CCTCGCCTTCTCTTCATCGCCGTCATCGGCGGCGGTTTCGACTCCGGCTTCGGCGT
GCGTCAGCTGCGTGCGCCGGTCCAAGGCCTCGTACCGCGCCTCCTCCCCCGCCCT
GGACAACGGTACGTCTCTACGGAGAATGTTTCGACATCCGCTGGCTTCAATTTGTT
CGTGCCTTTTGCGCAATTGGTTGGCTGGTTAATTGATTCCGTTTGTGTAATCGTGC
GTCCGTGCAGCCGGTCTTGC GGCTACGGCGTCCTGGCCACGACCCTGGACGCCG
GCGGTCTCCTCGCCGCCGTAAGCCC GGCGCTGTACAGGGACGGCGCCGGTTGCGG
CGCGTGCTACCAGGTCCGGTGCACGGACGCCGGCCTCTGCAGCACGTCCGGCGCC
AGGGTGGTGCACCGGACCTCCAGGCGCGCGTCACGGGCCACGCGGACCTCGTG
CTCAGCGGCGCGGCGTACGCGGCCATGGCCC GCGGCGGCGCCGGCACGCCCCGCC
GCGCGGGAGCTCAGGGAGCGGCGCGCCGTGAAGGTGGAGTACAGGCGCGTGCCG
TGCGAGCCCCACGGCGGGCACCGCAACCTCTCTGTGCGCGTGGAGGAGGGCGCG
CCGGAAGGGCAGCTGGCGGTCCGGTTCCTGTACCAGGGCGGGCAGACGGACATC
GTGGCCGTGGACGTGGCGGCTGCCGGGTCTGTCGTCCGGGTGGAGGCCCATGGCCC
GGGAGCGCGGCGGGCCGGCGTGGAGGACGACGGGCCGGGGCGCGCCCCGAGGGC
CCGTTAAGGATGAGGATGGTGGTGACCGGAGGGTACGACGGGAAGTGGGTGTGG
GCCGACGGGGAGGTCATCCCGCGGCAGTGGAAGGCCGGACGGGTGTATGACACA
GGGTCCAGATCGCCGACGTGGCTCTGGATGGGTGCCACGGCGACAGCCGAGAT
TGGAGGTGACACGGCGGAGCGGAGAGGAGCCCCGCTCACTGTACAGTAGTCTTT
CCGTTTCTTCTTGTTAATTTCTCTCGGGTGAACGAATCGAAAGGAATGAGGTTGG
ATCAATCGAGGAGTCAAACATGCCGTTGCAATTGGGACCGCCGTGTGTGTGCGCG
TGCGTGC ACTCCACGATGTGTGGCGGGCGCGTTCGTTGCTCATTGGTGCTTTAATTT
GCCGACTTTGGGTAGTGC GTGCACGACGATCGCTGGCTTTGGTCGTCGTCGTC
CGACGGCCAGCTGCCGTGCGTATTCGCTTCTGCTGTGGTCGTCGCTCGTAGCT
GCTTTTGGCACTCGGCGATATAGGATTTGGGTCCGGTAGGGGGAACCCGTAGCGG
TGTATTGTGGTGGACAAAACATCAAGACGAGCACTTTGAATTCAGTTGAACTT
TCGGATACTCAGGCAAGTGATATTTAAGCTAGAACCACAAATCAAATTACACATC
AGAATCTGTAATTTCCG