

IDENTIFICATION

Species: *Brachypodium stacei*

Locus: Brast04G114800

Gene Model: Brast04G114800.1.p

Description: BstEXPB-13

Family: Beta Expansin

3D structure:



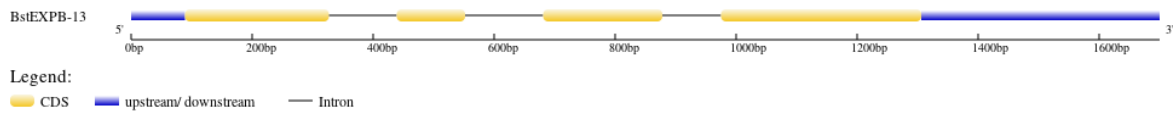
GENOME DATABASES

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

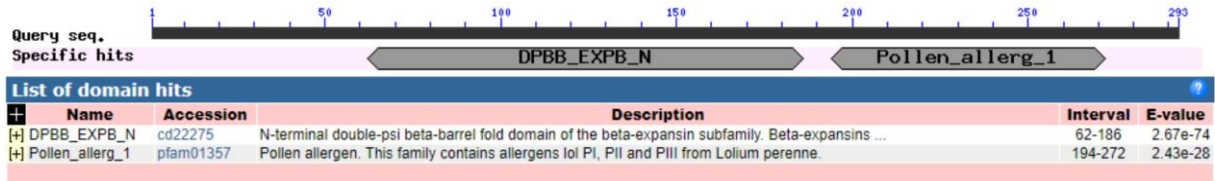
EXTERNAL RESOURCES

<https://brachypodium.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BstEXPB-13

MAKTCTLLALLGALVVVSLVGPAAACSRKLSKPLSHKPAIKAPHNNHSTITSPSDAYG
SGGWLYGGATYYGAPNGDGSDDGACGYQSAVGNRPFSSMIAAGNPFLFKGGKCGC
ACYEVKCTGNQACSGQPATVVITDECPGGAACLGEAAHFDMSGTSMGAMAKPGMA
NKL RASGILKIYKRVPC KYSGVNIAFRVDQGSNPFYLEVLIEFEDDDGDLNAVDLM
EANS GTWTPMVQNW GALWRLNSNTGKPLRGPFSRLRTSDSNRKL VVNNVIPATWK
AGQTYRSLVNYP*

CDS (coding sequence)

>BstEXPB-13

ATGGCGAAA ACTTGCACCTTATTAGCGCTGCTTGGCGCACTGGTGGTGGTCTCAC
TTCTCGTGGGCCCCGCTGCTTGCTCCCGCAAGCTCTCCAAGCCGCTCAGCCACAA
GCCTGCAATCAAGGCGCCCCACAACAACCATAGTACAATTACTAGCCCGTCCGAC
GCCTACGGCTCCGGCGGCTGGTTATACGGCGGCGCAACGTATTACGGCGCCCCCA
ACGGCGACGGAAGCGACGGTGGCGCGTGCGGCTACCAAAGCGCTGTCGGGAACA
GGCCATTCTCGTCGATGATCGCCGCGGGAACCCGAATCTTTTCAAGGGAGGCAA
GGGCTGCGGCGCGTGCTACGAGGTTAAATGTACAGGCAACCAGGCGTGCTCCGG
CCAGCCTGCGACCGTCGTCATCACCGACGAGTGCCCCGGCGGGGCGGCCTGCCTC
GGCGAGGCGGCCCACTTCGACATGAGCGGGACCTCCATGGGGGCCATGGCCAAG
CCTGGCATGGCCAACAAGCTGCGTGCCAGCGGTATCCTCAAGATTCAGTACAAGA
GGGTGCCATGCAAGTACAGTGGCGTGAACATCGCCTTCAGGGTGGACCAAGGGT
CGAACCCGTTCTACCTGGAGGTCCTGATCGAGTTCGAGGACGACGACGGCGACCT
CAACGCCGTGGACCTCATGGAGGCCAACAGCGGCACCTGGACGCCATGGTGCA
GAACTGGGGCGCGCTGTGGCGCCTCAACTCCAACACCGGCAAGCCGCTGCGCGG
GCCATTCTCGTCCGGCTCACCTCTGACTCCAACAGGAAGCTCGTCGTCAACAAC
GTCATCCCCGCCACCTGGAAGGCCGGACAGACGTACCGCTCCTTGGTGAACCTACC
CCTGA

Nucleotide

>BstEXPB-13

TGAGCTAAGCATATCTAATCCATATATCCTCTTCCAAGCTACCAGTACTACTCCTA
TATAGCTCGAGCTAGAAGAAGCAACGAGCAGCAATGGCGAAAACCTTGACACCTTA
TTAGCGCTGCTTGGCGCACTGGTGGTGGTCTCACTTCTCGTGGGCCCCGCTGCTTG
CTCCCGCAAGCTCTCCAAGCCGCTCAGCCACAAGCCTGCAATCAAGGCGCCCCAC
AACAACCATAGTACAATTACTAGCCCGTCGGACGCCTACGGCTCCGGCGGGCTGGT
TATACGGCGGGCGAACGTATTACGGCGCCCCAACGGCGACGGAAGCGACGGTT
AGTGCTTGTATATAAACTACGTACTCCATTCCACATTGCAATAATGCACGGCGTT
GATCGAAGATTTATGACGGACCGAAGTAAATGGGTTGAATTAACATGCATGCAG
GTGGCGCGTGC GGCTACCAAAGCGCTGTTCGGGAACAGGCCATTCTCGTCGATGAT
CGCCGCGGGAACCCGAATCTTTTCAAGGGAGGCAAGGGCTGCGGGCGCGTGCTA
CGAGGTTAGCACAGCACTTTTGTGTAGTCTATGGTGTACAGCGGGCTGCATGCC
TTCGTGTAGCTCTCCGTTTATGGTCATAACTATAGCTAAATTAATGTGCTCATGTG
GCGCGTGTACATACATACACAGGTTAAATGTACAGGCAACCAGGCGTGCTCCGGC
CAGCCTGCGACCGTCGTCATCACCGACGAGTGCCCCGGCGGGGGCGGCCTGCCTCG
GCGAGGGCGGCCCACTTCGACATGAGCGGGACCTCCATGGGGGCCATGGCCAAGC
CTGGCATGGCCAACAAGCTGCGTGCCAGCGGTATCCTCAAGATTCAGTACAAGAG
GTAATACTACTACTTCAGTCAACATTATCCGCTGGATCGAGCCGCACAAATTCATG
AACGGAAGCTGTATTAATCGATTAATTAATTCATCTTACAGGGTGCCATGCAAG
TACAGTGGCGTGAACATCGCCTTCAGGGTGGACCAAGGGTTCGAACCCGTTCTACC
TGGAGGTCCTGATCGAGTTCGAGGACGACGACGGCGACCTCAACGCCGTGGACC
TCATGGAGGCCAACAGCGGCACCTGGACGCCCATGGTGCAGAACTGGGGCGCGC
TGTGGCGCCTCAACTCCAACACCGGCAAGCCGCTGCGCGGGGCCATTCTCGCTCCG
GCTCACCTCTGACTCCAACAGGAAGCTCGTCGTCAACAACGTCATCCCCGCCACC
TGGAAGGCCGGACAGACGTACCGCTCCTTGGTGAACCTACCCCTGAATTACAGCTT
CGTCCAGCATTTTTCTGTTCTTTACCGCGCCGTGTGCTTGGCTAGTAATTTGTTGC
GAGCCGTATGTTAATTTATCATGTGCGGAGGAGTATGCGTCCGGGAGAGTTTCGA
GAGGCGGTGTCAGAAGAGGAGGAGCAGCTTAAAATATGATCGTGTCTTCCCTCC
ATGGTCTCCGCATTCCCCTAGTGATGCGTGCCGTCGATCTGTCTGTAACCTTTTTGT
TGTTCTTCTCTGTTTTGTTGGGGAGGAAAAGCTTTGTAGTTGCAGTGCAACTATT
GTTGCATCCCGATGTATCTTTTTTTTAGAGAGAGAGCACCCGGTGCTTCAAGTTGT
GTGTGTTTTTGC AACGAATCATTGAGTGAAATGAATTGCTAACGATCA