

IDENTIFICATION

Species: *Brachypodium stacei*

Locus: Brast08G085200

Gene Model: Brast08G085200.1.p

Description: BstEXPA-28

Family: Alpha Expansin

3D structure:



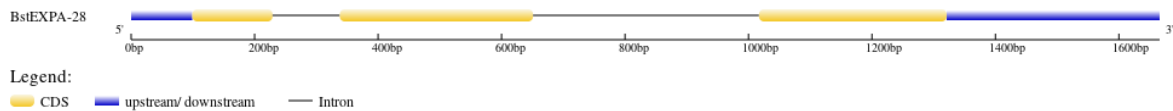
GENOME DATABASES

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

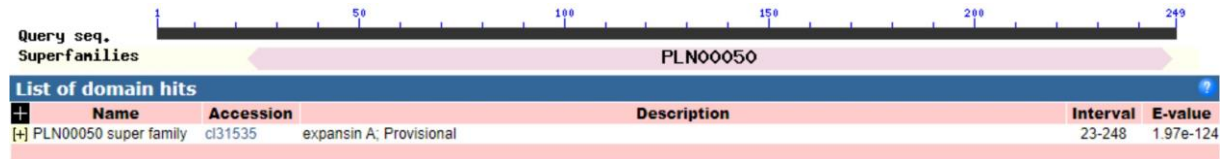
EXTERNAL RESOURCES

<https://brachypodium.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BstEXPA-28

MGIAGALLLLVSSFSFLASQAAASGWQSAHATFYGGGDASGTMGGACGYGNLYSQ
GYGTSTAALSTALFNDGAACGSCYELRCDGGGKWCLPGSIMVTATNFCPPNYGLPSD
DGGWCNPPRPHFDMAEPAFLHIAQYRAGIVPVAFRRVPCVKKGGIRFTINGHSYFNL
VLVTNVAGAGDARSVSIKGARTAWQAMSRNWQNWQSNAYLDGQSLFRVTSGD
GRTVTSNAAVPAGWQFGQTFEGAQF*

CDS (coding sequence)

>BstEXPA-28

ATGGGCATTGCCGGCGCTCTCCTCCTGCTCGTCTCGTCCTTCTCCTTCCTCGCCTCG
CAAGCCGCTGCCAGCGGGTGGCAGAGCGCTCACGCCACGTTCTACGGCGGGCGGC
GATGCTTCCGGCACAATGGGCGGGGCTTGCGGGTACGGCAACCTGTACAGCCAG
GGGTACGGCACGAGCACGGCGGGCGCTGAGCACGGCGCTGTTCAACGACGGCGCG
GCTTGCGGGTTCGTGCTACGAGCTGCGGTGCGACGGCGGGCGGCAAGTGGTGCCTGC
CGGGCTCCATCATGGTGACGGCCACCAACTTCTGCCCCGCCAACTACGGCCTCCC
CAGCGACGACGGCGGCTGGTGAACCCGCCGCGCCCGCACTTCGACATGGCCGA
GCCGGCATTCTCCACATCGCGCAGTACCGCGCCGGCATCGTGCCCGTCGCCTTC
AGAAGGGTCCCGTGCGTGAAGAAGGGCGGCATCCGGTTCACCATCAACGGCCAC
TCCTACTTCAACCTGGTGCTGGTGACCAACGTGGCCGGCGCCGGGGACGCGCGCT
CCGTGTCCATCAAGGGCGCGCGCACGGCGTGGCAGGCCATGTGAGGAACTGGG
GCCAGAACTGGCAGAGCAACGCCTACCTCGACGGCCAGAGCCTCTCCTTCAGGGT
CACCTCCGGCGACGGCCGCACCGTCACCAGCAACGCCGCGCGTGCCTCGCGGCTGG
CAGTTCGGACAGACCTTCGAGGGCGCGCAGTTCTAG

Nucleotide

>BstEXPA-28

CAACCGGCGCTCTCTTTCCGGACTGCCTTCAGAGTTCAGATACCCTCCCTCAAAG
GTTTTAGCTTGGCTGTCAGAGGAAGCTACGAGTAACTCTTAGCCATGGGCATTGC
CGGCGCTCTCCTCCTGCTCGTCTCGTCCTTCTCCTTCCTCGCCTCGCAAGCCGCTG
CCAGCGGGTGGCAGAGCGCTCACGCCACGTTCTACGGCGGGCGGCGATGCTTCCGG
CACAATGGGTGAGTTTTTTAATTTCTTCCCATGAACTTACCAAACCTTGTGAACAA

AATTAGTCAAGTCTCACATGTACACGGTGGCCGATATCCTGTTTGCTGTGAATTTT
TGCAGGGCGGGGCTTGCGGGTACGGCAACCTGTACAGCCAGGGGTACGGCACGAG
CACGGCGGCGCTGAGCACGGCGCTGTTCAACGACGGCGCGGCTTGCGGGTCGTG
CTACGAGCTGCGGTGCGACGGCGGGCGCAAGTGGTGCCTGCCGGGCTCCATCATG
GTGACGGCCACCAACTTCTGCCCGCCAACTACGGCCTCCCCAGCGACGACGGCG
GCTGGTGCAACCCGCCGCGCCCGCACTTCGACATGGCCGAGCCGGCATTCTCCA
CATCGCGCAGTACCGCGCCGGCATCGTGCCCGTCGCCTTCAGAAGGTGCGCCATC
GATGAACGAGTTTGTGGTTTCTTCTGGCACGTTAATTATGTAGAGCACCGTGTC
CTGTGGCTCGACCGACCGAACCCATGGTTTAAATTCACCAGCCAGACACGACGAC
CCAGCGTCGGTTCGGTTTGAAGGTACGCGCGGACCACGGTTGGTTCGGTTCGGCTCA
TAAGTTTTAGGCGGTCCCCAGTCTGCGCGCGGATTCGATACGGTGCATGCGGATA
GGCATGTGCTGTGCCATTTAACGTTACAGCTTCAGCCCTCCTCGCGTGCCAATTGA
CGCGGTCCATCGATCGATCCGGACAAAATCTTGGGCGTACGTACTGATGAGGCGT
TTTTGCGTGTTGGTCGATCCGCAGGGTCCCGTGCGTGAAGAAGGGCGGCATCCGG
TTCACCATCAACGGCCACTCCTACTTCAACCTGGTGCTGGTGACCAACGTGGCCG
GCGCCGGGGACGCGCGCTCCGTGTCCATCAAGGGCGCGCGCACGGCGTGGCAGG
CCATGTCGAGGAACTGGGGCCAGAACTGGCAGAGCAACGCCTACCTCGACGGCC
AGAGCCTCTCCTTCAGGGTCACCTCCGGCGACGGCCGCACCGTCACCAGCAACGC
CGCCGTGCCCGCCGGCTGGCAGTTCGGACAGACCTTCGAGGGCGCGCAGTTCTAG
TTCTAGCCGCCGCAGCAGGATATATACATGTTCTTCTTCTTCTCCGAGATTAAGCA
TTGGAGAGAAGAATTTGTTTTGCATGCTGATGATCATGCAAGCAGAGAGGCAGGC
AGAAGCGAAAATTAGGCCTCCTCTTCGTTATAGTAGTGAAGAAAGAGGTCCCGGT
TCTGGGCTATGCTGAGGCTGCTAATTAGCACCCCGCTTAGACGTTTTCTTCTCTC
CAGTTCATGAAAGGCTTGAACAACTATCGATAAAGTACTCGAAGAAGAAAAATT
ATGTTAGTTAGCAGCTTTGATTGTTTGTACTGGTACTGGATTAGTCCTACTTTGTA
GTACCGGGCGGTG