

IDENTIFICATION

Species: *Brachypodium stacei*

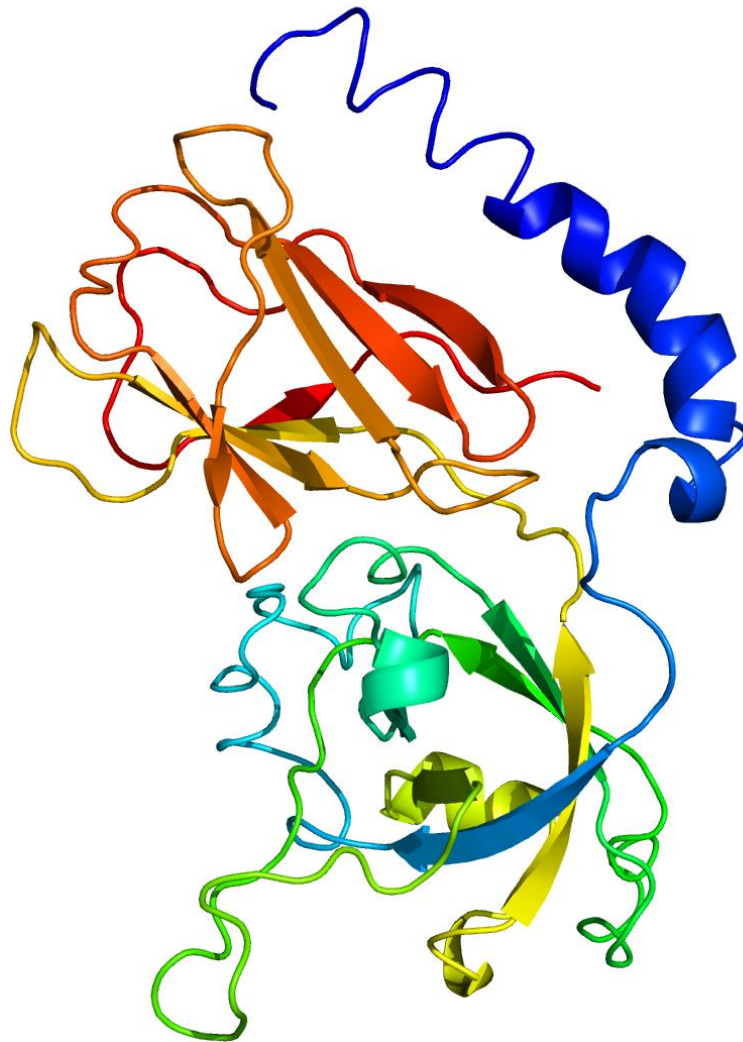
Locus: Brast02G362100

Gene Model: Brast02G362100.1.p

Description: BstEXPA-10

Family: Alpha Expansin

3D structure:



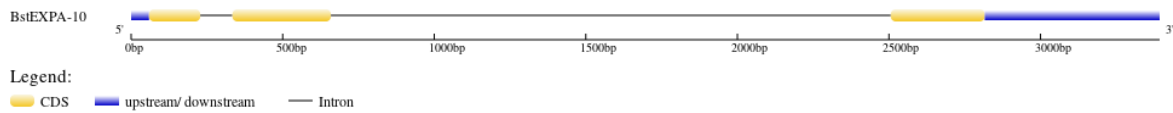
GENOME DATABASES

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

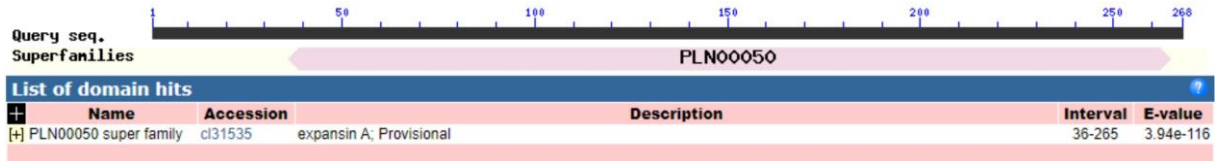
EXTERNAL RESOURCES

<https://brachypodium.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BstEXPA-10

MAAAAAMASSPLLFFVLLASAAMFSAEARIPGVYTTGGDWQSAHATFYGGSDASGT
MGGACGYGNLYSQGYGVNNAALSTALFNEGQRCGACFEIKCVDQPGWKWCHPGSP
SILVTATNFCPPNYALPSDDGGWCNPPRPHFDLAMPFLHIAQYRAGIVPVS YRRVA
CRKKGGRVFTMHGFRYFNLVLTNVAGAGDLVRASVKGDSTGWMPMSRNWQNW
QNSVVLVGQALSFRVTASDRRTSTS WNAAPRGWYFGQTFEGKNFRV*

CDS (coding sequence)

>BstEXPA-10

ATGGCCGCCGCAGCAGCAATGGCGTCTTCTCCGCTGCTGTTCTTCGTCCTCCTCGC
TTCAGCAGCAATGTTCTCCGCCGAGGCCCGCATCCCCGGCGTGTACACGGGCGGC
GACTGGCAGTCCGCCACGCCACCTTCTACGGCGGCAGCGACGCCTCCGGCACCA
TGGGAGGGGCGTGCGGGTACGGGAACCTGTACAGCCAGGGGTACGGGGTGAACA
ACGCGGCGCTGAGCACGGCGCTGTTCAACGAGGGCCAGCGGTGCGGGCGCCTGCT
TCGAGATCAAGTGCGTGGACCAGCCGGGCTGGAAGTGGTGCCACCCGGGGTTCG
CGTCCATCCTCGTCACGGCCACAACTTCTGCCCGCCAACTACGCGCTGCCTTCC
GACGACGGTGGCTGGTGAACCCGCCAGGCCGCACTTCGACCTCGCCATGCCCA
TGTTCTCCATATCGCACAGTACCGCGCCGGC ATCGTCCCCGTCTCCTACCGCCGG
GTGGCGTGCAGGAAGAAGGGCGGGGTGCGGTTACGATGCACGGGTT CAGGTAC
TTCAACCTGGTGCTGATCACGAACGTGGCGGGGGCCGGGGACCTGGTGC GCGCG
AGCGTCAAGGGCGACAGCACCGGGTGGATGCCCATGTCACGCAACTGGGGCCAG
AACTGGCAGTCCAACCTCGGTGCTCGTCGGCCAGGCGCTCTCCTTCCGCGTCACCG
CCAGCGACCGCCGCACATCCACCTCCTGGAACGCCGCCCCAGAGGCTGGTACTT
CGGCCAGACCTTCGAGGGCAAGAACTTCAGGGTCTGA

Nucleotide

>BstEXPA-10

GACTCCACCTCTGTTTTCTTGTCCCTCTCTGCTTACGAAAGCGGAGAGACGAAG
ACAATGGCCGCCGCAGCAGCAATGGCGTCTTCTCCGCTGCTGTTCTTCGTCCTCCT
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GGCGACTGGCAGTCCGCCACGCCACCTTCTACGGCGGCAGCGACGCCTCCGGCA

CCATGGGTAACCAACCAACCATCCCAAGAACCAAACCTCGTCTCCTAAGTTGTCC
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GAGATCAAGTGCGTGGACCAGCCGGGCTGGAAGTGGTGCCACCCGGGGTTCGCCG
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TAATTTCTCCCTGAGATTAATACTACTCGTGCCTGAAAAAAGACGATTTTTTTAGTAC
TAGTAGAACTGCTACTCGTAGTTGCGTAGAACAATGCGGTGATGGTTCTTGTTTTG
TTTTCATCTTGGGATCGTTTGTTTAGAGTCGAGTGCTACACGACATTCTTCTTGGT
CGTAGTATCACTGGCAGAAGAAAAAGAGAACATGTTTTCCGGCCAATAGAGAGA
CCAGAGGCCGCCACCGGACCGGACCGCAGCAGGCTCTGAGCTGCGCTGCACTTA
CACAGCACGATTCCTTGTTTTTTTCCACGTCTTTTAAGACGCGCCTGTTTCTCCTGC
TCTTGTACCGCACCGTCCATCCATCCACAGTAAAAAGGAAAAAGAAAAAGAAAA
GAAAATCTCGACCCGTTCCATCCATCACGGCTGCCGAGGAAGTGAATTTCCACTC
ATCATATTCATTTCTCTCCACAGACCGGAGTAGCAATCTATTTCACTGCCGTATTC
ACTGACACTCCAGGCATGGGCATTTTCTTCAGAGAGAAAAGATACTACTAGCACT
ACTACGGCAGATATGGGTTGCACGTACATATAACAACCGGTCTGGCACGGACGATA
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CCTCCCTCTCCCTGTGCGGTTGCATGTGCTTCTCCCGTGATTAGGACAGCAGCGT
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TGTTTCTTTTGGATCACGGGTTCCGCCCCGTCTCCCTTCACTGACTTCGATCCATCTA
AACGGATCACCCATGCCCTGCCTGCCTGAGCTGAGCCCTGAGTAGTAAATGACCC
ATCTGCCCTCTCGACGCGTGAACCTCTACTCCCCTTTCGTGGAGTGGCCACATC
GCTGCAACAGCAACACACTGCACCGTCCCTTCTCCCCTCAAATTTACCATCCTAC
CCCCACAATAATGCATAGCTGACACGTGTTATCATGGCTCTTTTTTGCCTTCTCT
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ACGCAACTGGGGCCAGAACTGGCAGTCCAACCTCGGTGCTCGTCGGCCAGGCGCTC
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CCAGAGGCTGGTACTTCGGCCAGACCTTCGAGGGCAAGAACTTCAGGGTCTGAG

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GGCTGGGTTGGGTTGGTGAGTCTTTTTTGTCTTCTGTCCTTGGTAGCCTGTGAAT
GCATGAGGGGTGCAAGCAGGGTCAAACCTGGTGGTGGTGTCAAACTCTAAAGT
CTTGGTGTGGTTAGGGTGGGGTGATTGCTCGGGGCTGCTGTGTTATTCACCGAG
GTCACAGGCAGCTGGTAGCCGTAGTAACAAACCATCAAGTCTGCCTGTCTGCGTG
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