

IDENTIFICATION

Species: *Brachypodium stacei*

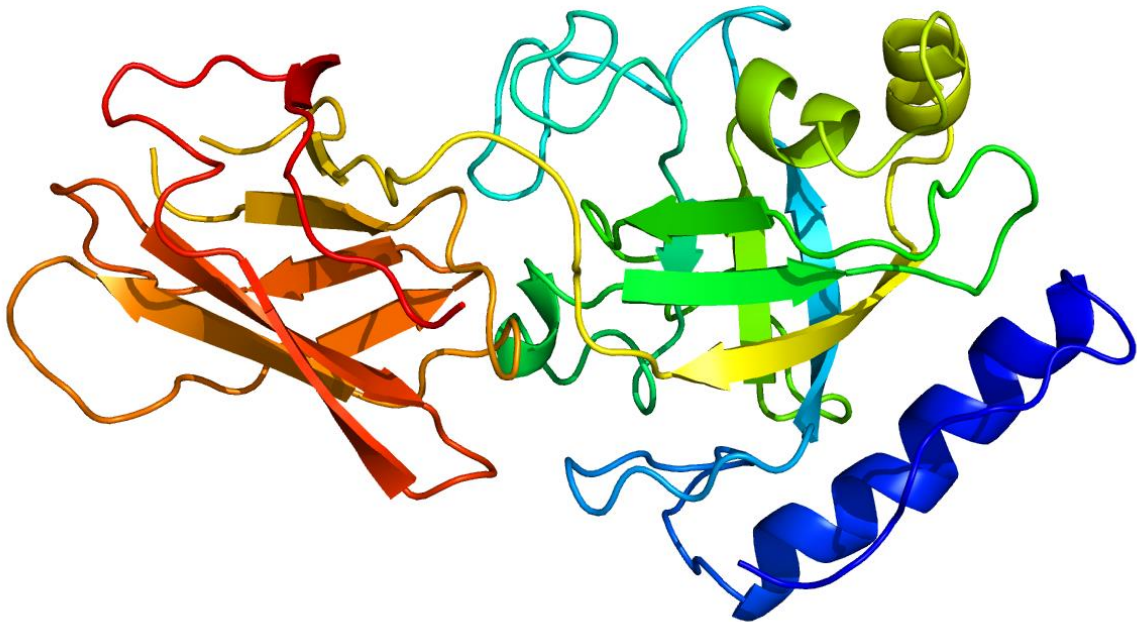
Locus: Brast04G125500

Gene Model: Brast04G125500.1.p

Description: BstEXPB-16

Family: Beta Expansin

3D structure:



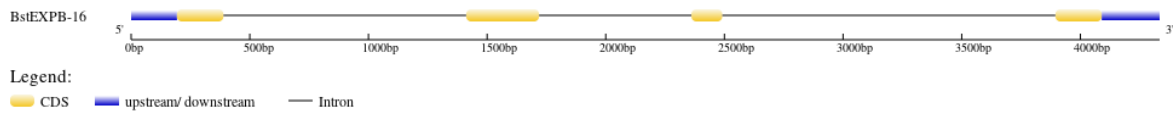
GENOME DATABASES

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

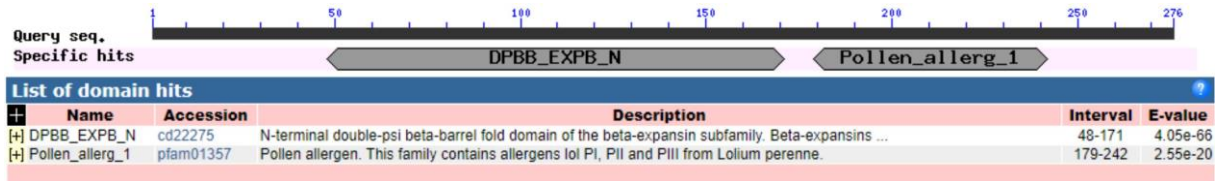
EXTERNAL RESOURCES

<https://brachypodium.org/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BstEXPB-16

MAGGSACSGSLAPLSVCSFALLASLLSAASVFGAEAGAAHKVVDPQWHQATATW
YGSADGDGSDGGACGYGTLVDVVPMKARVGAVSPVLFKGGQCGGACYKVRCLDA
SICSRRAVTVVVTDECPGGYCSSGRTHFDLSGAAFGRLAVAGHGGQLRNRGEISVVF
RRTPCCKYRGKNIAFRVVEGSTSFWLSLLVEFEDGDGDIGSMQLKQAKSAQWQDMKH
IWGATWSLTPGPLIGPFSVRLTTLTKKTLAQDVIPRNWTPKATYTSRLNFI*

CDS (coding sequence)

>BstEXPB-16

ATGGCCGGCGGCTCCGCCTGCTCAGGCTCTCTGGCTCCCTTATCGGTCTGCAGCTT
TGCTCTGCTCGCTTCTCTCCTTTCTGCGGCGTCCGTCTTCGTTGGCGCGGAGGCCG
GGGCGGCGCACAAAGGTGGTCGACCCGCAGTGGCATCAGGCCACCGCGACCTGGT
ACGGCAGCGCCGACGGCGACGGCAGCGATGGCGGCGCGTGTGGGTACGGGACGC
TGGTGGACGTGGTGCCGATGAAGGCCCGCGTGGGCGCGGTGAGCCCGGTGCTGTT
CAAGGGCGGCCAAGGCTGCGGCGCGTGCTACAAGGTCAGGTGCCTCGACGCCAG
CATCTGCTCGCGCCGCGCCGTGACCGTCTGTCGTCACCGACGAGTGCCCCGGCGGC
TACTGCTCCTCGGGCCGACGCACTTCGACCTCAGCGGCGCCGCCTTCGGCAGGC
TTGCCGTCGCCGGCCACGGCGGGCAGCTGCGCAACCGAGGAGAGATCTCGGTGG
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CGAGGGCTCGACGAGCTTCTGGCTCTCGCTTCTGGTGGAGTTCGAGGACGGCGAC
GGCGACATTGGATCCATGCAGCTAAAGCAGGCAAAGTCGGCACAGTGGCAAGAC
ATGAAGCACATCTGGGGTGCCACCTGGAGCCTCACGCCAGGTCCACTCATTGGAC
CATTCTTCTGTTAGGCTGACAACCCTGACTACCAAGAAGACTCTCTCCGCTCAGGA
CGTCATCCCAAGGAATTGGACTCCCAAGGCTACCTATACGTCTCGCCTCAACTTC
ATATAA

Nucleotide

>BstEXPB-16

CCATTGTCTCCACGTTCCCTTTGTGCAGACTGCAGAGCGCAGCTCTGAGCTCTGGG
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AGATCAATTTTAGTCTACACGCGCCACCGGTATATCTACCGACTGACAGACTGAC
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