

IDENTIFICATION

Species: *Brachypodium sylvaticum*

Locus: Brasy5G003300

Gene Model: Brasy5G003300.1.p

Description: BsyEXPB-19

Family: Beta Expansin

3D structure:



GENOME DATABASES

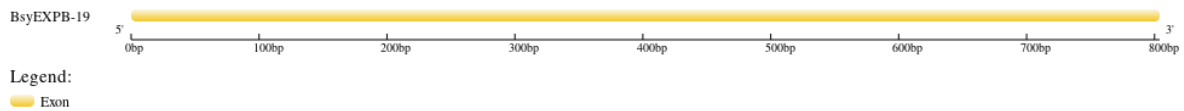
Phytozome: https://phytozome-next.jgi.doe.gov/info/Bsylvaticum_v1_1

KEGG:-

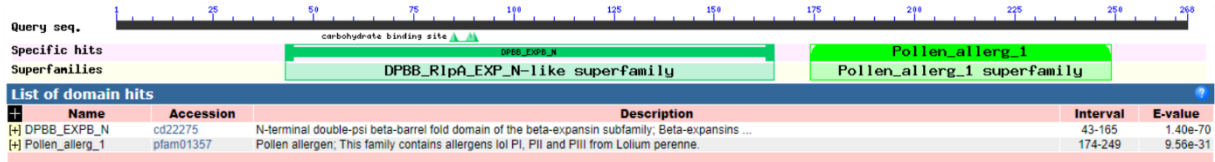
EXTERNAL RESOURCES

<http://jaiswallab.cgrb.oregonstate.edu/genomics/brasy>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>BsyEXPB-19

MASSSTQAMMLAMAVLAALVSVAHGIPKVPPGNITATYNGKWLDKSTWYGRPE
GAGPKDNGGACGYKDVKPPFNGMTSCGNTPIFRDGRGCGSCFEVKCEKPAEFCSG
QPVLVHITDDNEEPIAA YHFDLSGKAFGSMAKKGQEQLRGCGEVEIQFRRVKCYYP
LGTKVTYHVEKGSNPNYLAILVKFVGGGDVVAVEIQKGA YDWIPLKESWGAVV
RIDTPKPLKGPFSVR YTTDGGTKAVSSNVIPENWKPD TMYVAKY*

CDS (coding sequence)

>BsyEXPB-19

ATGGCCTCCTCCTCCACCCAAGCAATGATGCTTGCCATGGCGGTCTGGCGGGCGC
TGGTGAGCGTCGCCACGGCATCCCCAAGGTGCCCCAGGCCCAACATCACGGC
CACCTACAACGGCAAATGGCTGGACGCCAAGAGCACGTGGTACGGCAGGCCGGA
AGGCGCCGGCCCCAAGGACAACGGCGGCGCGTGCGGGTACAAGGACGTGGACAA
GCCGCCCTTCAACGGCATGACATCCTGCGGCAACACCCCCATCTTCCGCGACGGG
CGCGGCTGCGGCTCCTGCTTCGAGGTCAAGTGCGAGAAGCCGGCCGAGTTCTGCT
CGGGGCAGCCGGTCCCTCGTCCACATCACCGACGACAACGAGGAGCCCATCGCCG
CCTACCACTTCGACCTCTCCGGCAAGGCCTTCGGGTCCATGGCCAAGAAGGGGCA
GGAGCAGAAGCTGCGCGGCTGCGGAGAAGTGGAGATCCAGTTCCGGAGGGTGAA
ATGCTACTACCCCTGGGCACCAAGGTCACGTACCATGTGGAGAAGGGGTCTAAC
CCGAATTACCTGGCGATCCTCGTCAAGTTTGTGGGTGGAGATGGGGACGTTGTGG
CCGTCGAAATCCAGCAGAAGGGGGCGTATGATTGGATCCCGCTCAAGGAGTCGT
GGGGCGCCGTGTGGAGGATCGATACCCCGAAGCCGCTCAAGGGACCCTTCAGTG
TCAGGTACACTACTGATGGCGGCACCAAGGCCGTCTCCTCGAATGTCATCCCTGA
GAACTGGAAGCCAGACACCATGTATGTGCGCCAAGTACTGA

Nucleotide

>BsyEXPB-19

ATGGCCTCCTCCTCCACCCAAGCAATGATGCTTGCCATGGCGGTCTGGCGGGCGC
TGGTGAGCGTCGCCACGGCATCCCCAAGGTGCCCCAGGCCCAACATCACGGC
CACCTACAACGGCAAATGGCTGGACGCCAAGAGCACGTGGTACGGCAGGCCGGA
AGGCGCCGGCCCCAAGGACAACGGCGGCGCGTGCGGGTACAAGGACGTGGACAA

GCCGCCCTTCAACGGCATGACATCCTGCGGCAACACCCCCATCTTCCGCGACGGG
CGCGGCTGCGGCTCCTGCTTCGAGGTCAAGTGCGAGAAGCCGGCCGAGTTCTGCT
CGGGGCAGCCGGTCCTCGTCCACATCACCGACGACAACGAGGAGCCCATCGCCG
CCTACCACTTCGACCTCTCCGGCAAGGCCTTCGGGTCCATGGCCAAGAAGGGGCA
GGAGCAGAAGCTGCGCGGCTGCGGAGAAGTGGAGATCCAGTTCCGGAGGGTGAA
ATGCTACTACCCCTGGGCACCAAGGTCACGTACCATGTGGAGAAGGGGTCTAAC
CCGAATTACCTGGCGATCCTCGTCAAGTTTGTGGGTGGAGATGGGGACGTTGTGG
CCGTCGAAATCCAGCAGAAGGGGGCGTATGATTGGATCCCGCTCAAGGAGTCGT
GGGGCGCCGTGTGGAGGATCGATACCCCGAAGCCGCTCAAGGGACCCTTCAGTG
TCAGGTACACTACTGATGGCGGCACCAAGGCCGTCTCCTCGAATGTCATCCCTGA
GAACTGGAAGCCAGACACCATGTATGTCGCCAAGTACTGA