

IDENTIFICATION

Species: *Panicum hallii*

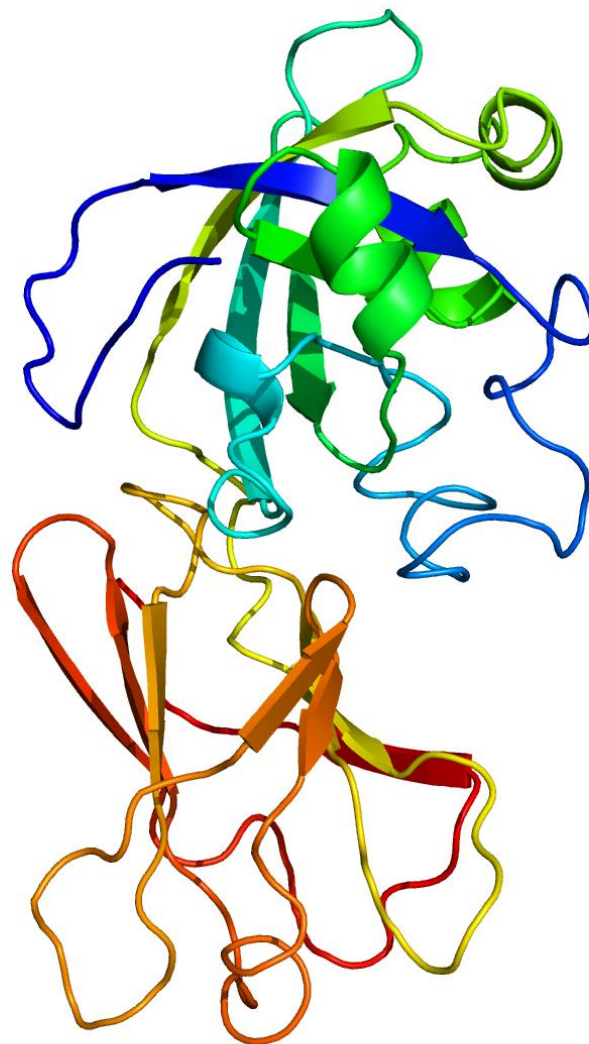
Locus: Pahal.1G335300

Gene Model: Pahal.1G335300.1.p

Description: PhEXPB-06

Family: Beta Expansin

3D structure:



GENOME DATABASES

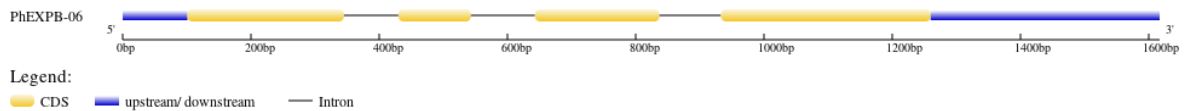
Phytozome: https://phytozome-next.jgi.doe.gov/info/Phallii_v3_1

KEGG: <https://www.genome.jp/entry/T07366>

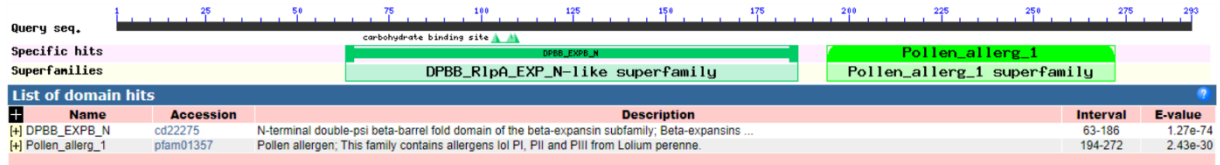
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhEXPB-06

MAKSYTLLFGALVVLALLVSPACSRKLAKPSKHRPSHRPATGGRGNYTATPSASDA
 YGSGGWLSAGATYYGAPNGDGDSDGGACGYQTA V G Q R P F S S M I A A G G P S L F K G G K G
 CGACYEVKCDSPACSGQPATVITDECPAGVCLAEAAHFDMSGTSMGAMAKPGM
 ADRLRAAGILKIYKRVPCYSGVNI AFRVDQGSNPFYFEVLVEFEDGDGDL SAVDL
 MEAGCGTWTMPVQNWGALWRYNSNTGKALRAPFSLRLTSDSGKVLVANNVIPAG
 WTAGATYRSLVNYS*

CDS (coding sequence)

>PhEXPB-06

ATGGCGAAGTCTTACACCTTGCTGTTTCGGCGCACTGGTCGTGCTCGCGCTTCTGGT
 GAGCCCCATTGCTTGCTCCCGCAAGCTCGCCAAGCCCAGCAAGCACAGGCCGAGC
 CACAGGCCGGCTACCGGGGGCCGCGGCAACTACACCGCCACCCCTCGGCCTCCG
 ACGCTTACGGCTCCGGCGGCTGGCTGTCCGCCGGCGCGACGTA CTACGGCGCCCC
 CAACGGCGACGGCAGTGACGGCGGCATGCGGCTACCAGACCGCCGTCCGGGCA
 GCGGCCCTTCTCGTTCGATGATCGCCGCCGGGGGCCCGTCGCTGTTCAAGGGCGGC
 AAGGGATGCGGCGCCTGCTACGAGGTTAAATGCGACAGCAACCCGGCGTGCTCC
 GGGCAGCCGGCGACCGTGGTCATCACCGACGAGTGCCCCGCGGGGTCTGCCTCG
 CCGAGGCCGCCACTTCGACATGAGCGGCACCTCCATGGGCGCCATGGCGAAGC
 CCGGCATGGCCGACAGGCTTCGCGCAGCCGGTATCCTGAAGATCCAGTACAAGA
 GGGTGCCTTGCAAGTACAGCGGCGTGAACATCGCCTTCCGGGTGGACCAGGGCTC
 CAACCCGTTCTACTTCGAGGTGCTGGTTCGAGTTCGAGGACGGCGACGGCGACCTC
 AGCGCCGTCGACCTGATGGAGGCCGGGTGCGGCACCTGGACCCCGATGGTGCAG
 AACTGGGGCGCGCTGTGGCGCTACA ACTCCAACACCGGCAAGGCGCTGAGGGCG
 CCCTTCTCGCTCCGGCTCACCTCCGACTCCGGCAAGGTCCTCGTCGCCAACAACGT
 CATCCCCGCCGGCTGGACGGCCGGAGCCACGTACCGCTCCCTGGTGA ACTACTCC
 TGA

Nucleotide

>PhEXPB-06

ACACCACTCGAGCTGAGCTCATCTCCTAGCTCACAGCCTCTTCCGAGCTACCAAGT
GCTTAGCCCAGAAGCAGCAGCAAGCAAGAAGCTTGCGGCAGTAGCGATGGCGAA
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CGGGGTCTGCCTCGCTGAGGCGGCCACTTCGACATGAGCGGCACCTCCATGGGC
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