

IDENTIFICATION

Species: *Panicum hallii*

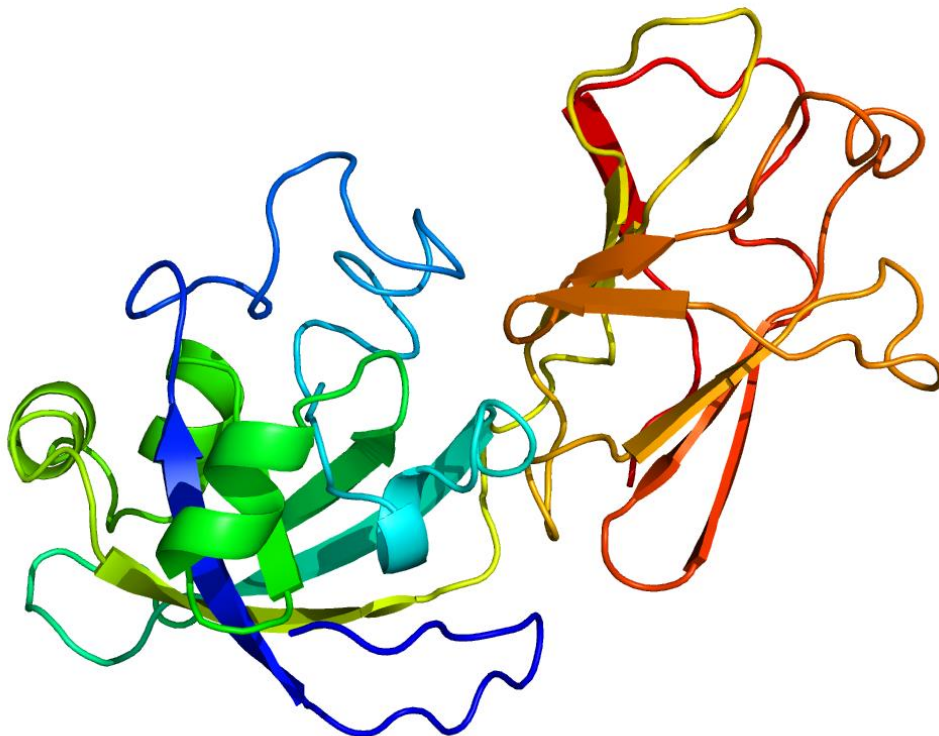
Locus: Pahal.7G245000

Gene Model: Pahal.7G245000.1.p

Description: PhEXPB-14

Family: Beta Expansin

3D structure:



GENOME DATABASES

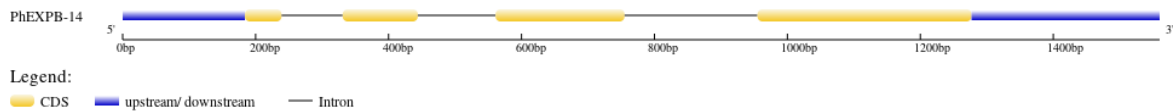
Phytozome: https://phytozome-next.jgi.doe.gov/info/Phallii_v3_1

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

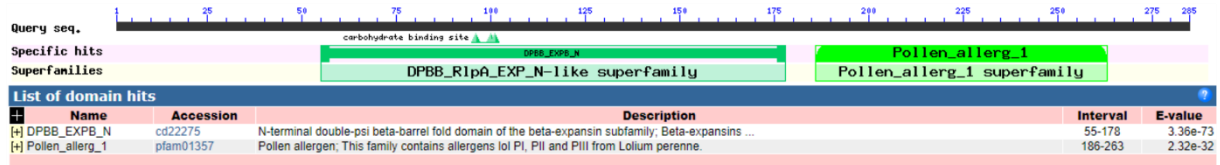
EXTERNAL RESOURCES

-

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhEXPB-14

MASPVALPIAFAALPFLSLLASPIIPCYGSPGPMSPRNYTATSRYTTSVPAAGWSSGG
ATWYGSPYGAGSDGGACGYQGTVSRPPFSSMIAAGGPPLFKNGRGCACGYQIKCTG
NKACSGRPVTVTITDSCPGGVCLAEAAHFDMSGTAFGAMASRGMADRLRAAGVLKI
QYKRVPCNYNGMGIAFRVDAGSNPYLAVLIQYQSGDGLAAVDIMQPGGAWAPM
QHSWGATWRANSNTGRPLRAPFSLRLTSGAGKVLVVRNAIPAGWRAGKTYRSTVN
YAT*

CDS (coding sequence)

>PhEXPB-14

ATGGCTTCTCCGGTTGCATTACCCATTGCGGCATTCGCCGCGCTGCCATTCCTGTC
ACTCCTTGCAAGCCCCATTATTCCCTGCTACGGGAGTCCGGGGCCAATGTCTCCTC
GGA ACTACACCGCCACCAGCCGGTACACCACCTCAGTGCCGGCGGGCTGGGTGGTC
CTCGGGCGGGCGCGACGTGGTACGGGAGCCCTTACGGCGCCGGCAGCGACGGCGG
CGCGTGCGGCTATCAAGGCACCGTCAGCCGGCGCCCGTTCTCGTCGATGATAGCC
GCCGGCGGCCCTCCCCTCTTCAAGAACGGCAGAGGCTGCGGGCGCGTGCTATCAGA
TTAAGTGCACCGGCAACAAAGCCTGCTCCGGCCGGCCAGTGACCGTCACTATCAC
CGACTCCTGCCCCGGCGGGGTGTGCCTCGCCGAGGCCGCGCACTTCGACATGAGC
GGCACGGCCTTCGGCGCCATGGCCAGCCGGGGCATGGCCGACCGCCTCCGCGCC
GCCGGAGTCCTCAAGATCCAATACAAGAGGGTGCCGTGCAACTACAACGGCATG
GGGATCGCCTTCCGGGTGGACGCGGGCTCCAACCCGTACTACCTCGCCGTGCTGA
TCCAGTACCAGAGCGGGCGACGGCGACCTCGCCGCGGTGGACATCATGCAGCCGG
GCGGCGCGTGGGCGCCGATGCAGCACTCGTGGGGCGCCACGTGGCGCGCCAACT
CCAACACCGGCAGGCCGCTGCGCGCGCCCTTCTCGCTCCGGCTCACCTCGGGCGC
CGGCAAGGTGCTCGTCGTCAGGAACGCCATCCCCGCCGGTGGCGCGCCGGCAA
GACCTACCGGTCCACGGTGAACACTACGCCACTTAA

Nucleotide

>PhEXPB-14

TCACCTTCTCTCCTCAGCTCCCAATCGTTTGCAAACCCAGCGATCAGAAGCTAGCT
AGACACGGGCAAAGAGCCAGCAGCTATGGCTTCCAAATCCCAGCTCATGTCCTT
CGCTGCCATCGCAGCTCTCGCCTCGCTCCTTCATCCCTGCACATCCATCGAGTTCC
ACCGCAAGCTCTCCAGCTGGTCCGATGGCGGGCGCCACGTGGTACGGCGCCGCTAA
TGGGGCTGGGAGCGATGGTATATACTGCATGCCCCGAAAATACGCGGTGTCAGTTA
ACTGAAAAGAATTCATGTCTCAGCGAAACATGCGTGCTTGCTTTGTGCATGTAGG
TGGCGCATGTGGGTACCAGGGTGCCGTCGACCAGGGCGCCGTTCTCGTCCATGATC
GCCGCCGGCAGCCCTTCCATCTACAAGTCCGGCATGGGATGCGGCTCTTGCTTCC
AGGTGCGTACCTGTGCACTGTATATATATCTAGCTGAGGGACATGTTTTTTTCTTC
AGATGTACATGCTTACACAAGATGTATCACAACCATGCATTCATTTGCCTTATC
ACCAACAGGTGAAATGCACCGGTAATGACGCTTGCTCCGGCACCCCGGTGACCGT
CGTGATCACCGACGAGTGCCCCGGCGGCCCGTGCCTGAGCGAGCCGGTCCACTTC
GACCTGAGCGGGACGGCGTTCGGCGCCATGGCGAAGCCCGGCCAGGCCGACCAG
CTGCGCGGCTCCGGCGTCTCCAAATCCAGTACACCCGGTAAGCACTGGCCCCGTG
GATGCAAATTGCAAACACATCGTCGATCTACCAGCTCGCTATTTTTTGCTAGCATGT
CGATCGCTCCGTGGACCACCACACACGGGCACATGCACGGTTCCGGTAAGCGCCA
TGCCACGAGCTGTCCTTTGTGTACCCTTCTAATGGCGTCTGTGTCTCGACGACGAA
CGCACGTGACGTGCAGCGTGCAGTGCAGCTGGCCCCGGGGTGCAGCTAACCTTCGT
CGTGGACGCCGGCTCGAACCCGAACACTTTCGCCGTGCTCGTCAAGTACCAGAAC
GGCGACGGCGACCTCTCGGGCGTCGAGCTCATGCAGACCCGGCCCAGGGGCCGCG
TGGGCGCCCATGCAGCAGTCGTGGGGCGCCGTCTGGAAGTTCAACGCCGGGTCG
GCGTTGCAGGCGCCCTTGTCCATCCGCCTGACCTCCAGCTCCGGCAAGCAGCTCG
TCGCCAGCAACGTCATCCCCGTCGGGTGGAAGCCCGGCACCGCCTACCAGTCAGC
GGCCAATACTAATACTATCCATATAGGCATAGAGCCATTTACCATAACCTGATAA
CCTTACATATGTTTGATGCATGCGTGTAGCTATGTGCTGTTTGTATCATTTGTATG
GGACTGAACAAGCTCGATCTATTACGCGCGACGGCCTTGTTGAAAAGAAAATAA
ATAGAAGTGAAGCAGTGTCAAAAATGAAAATGGGCGACGTCAGCTAAGCGCTC
CCTTGTTGCGCTAACTACTGAAAGTTGGCCTGATTAAGCACGAAAGCACATGCA
TTTGACGAGCAACGATGAG