

IDENTIFICATION

Species: *Panicum hallii*

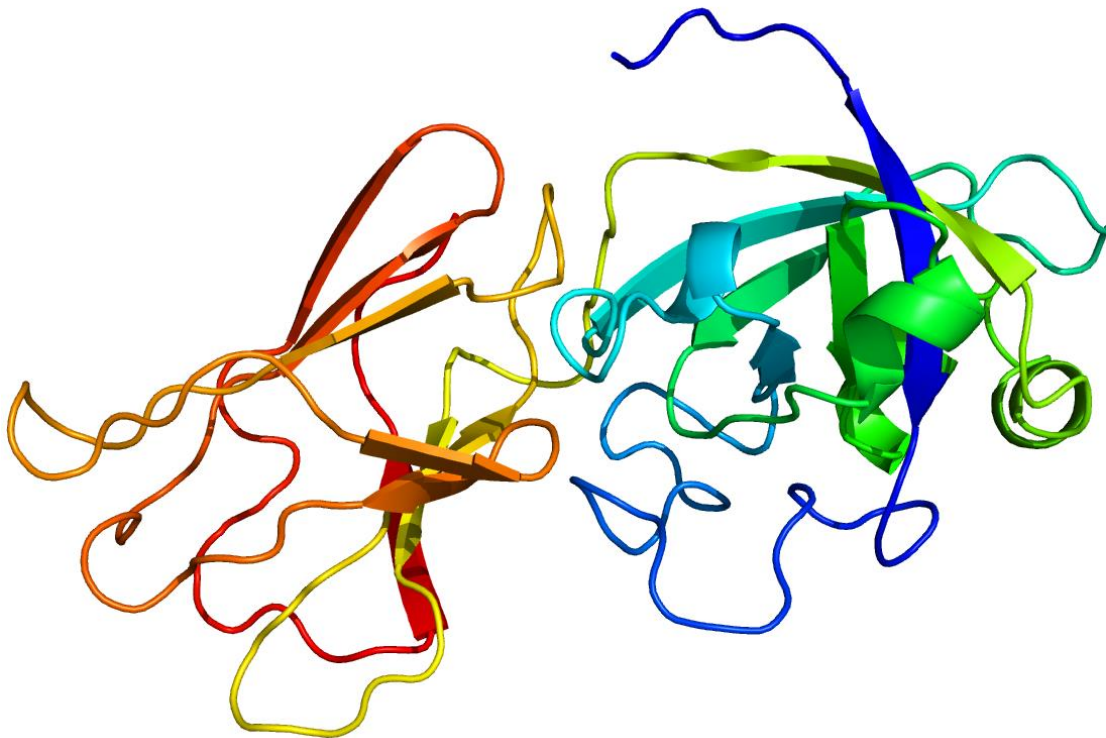
Locus: Pahal.7G244900

Gene Model: Pahal.7G244900.1.p

Description: PhEXPB-13

Family: Beta Expansin

3D structure:



GENOME DATABASES

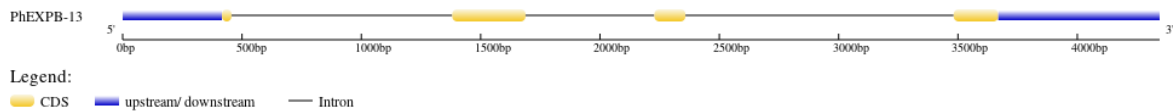
Phytozome: https://phytozome-next.jgi.doe.gov/info/Phallii_v3_1

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

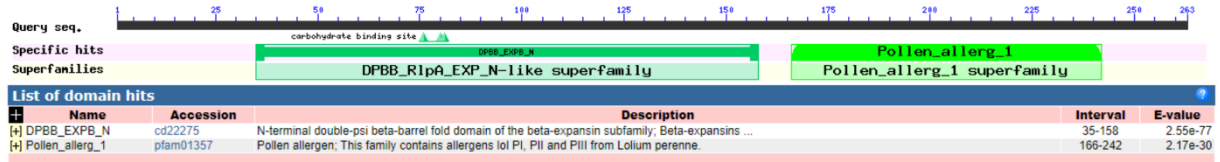
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhEXPB-13

MASKSQLMSFAAIAALASLLHPCTSIEFHRKLSSWSDGGATWYGAANGAGSDGGAC
GYQGAVDQAPFSSMIAAGSPSIYKSGMGCGSCFQVKCTGNDACSGTPVTVVITDECP
GGPCLSEPVHFDLSGTAFGAMAKPGQADQLRGSVQLQIQYTRVQCSWPGVQLTFVV
DAGSNPNYFAVLVKYQNGDGDLSGVELMQTGPGAAWAPMQQSWGAVWKFNAGS
ALQAPLSIRLTSSSGKQLVASNVIPVGWKPGTAYQSAANY*

CDS (coding sequence)

>PhEXPB-13

ATGGCTTCCAAATCCCAGCTCATGTCTTCGCTGCCATCGCAGCTCTCGCCTCGCT
CCTTCATCCCTGCACATCCATCGAGTTCCACCGCAAGCTCTCCAGCTGGTCCGATG
GCGGCGCCACGTGGTACGGCGCCGCTAATGGGGCTGGGAGCGATGGTGGCGCAT
GTGGGTACCAGGGTGCCGTCGACCAGGCGCCGTTCTCGTCCATGATCGCCGCCGG
CAGCCCTTCCATCTACAAGTCCGGCATGGGATGCGGCTCTTGCTTCCAGGTGAAA
TGCACCGGTAATGACGCTTGCTCCGGCACCCGGTGACCGTCGTGATCACCGACG
AGTGCCCCGGCGGCCCGTGCCCTGAGCGAGCCGGTCCACTTCGACCTGAGCGGGAC
GGCGTTCGGCGCCATGGCGAAGCCCGGCCAGGCCGACCAGCTGCGCGGCTCCGG
CGTCTTCCAAATCCAGTACACCCGCGTGCAGTGCAGCTGGCCCCGGGGTGCAGCTA
ACCTTCGTCTGGACGCCGGCTCGAACCCGAACACTTCGCCGTGCTCGTCAAGT
ACCAGAACGGCGACGGCGACCTCTCGGGCGTTCGAGCTCATGCAGACCGGCCAG
GGGCCGCGTGGGCGCCATGCAGCAGTCGTGGGGCGCCGTCTGGAAGTTCAACG
CCGGGTCGGCGTTGCAGGCGCCCTTGTCATCCGCCTGACCTCCAGCTCCGGCAA
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Nucleotide

>PhEXPB-13

ATTTGTACAGACTACAGAGCACAGCTAGCTCTACCGAAGCCAGCCAGCCGAGCC
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