

IDENTIFICATION

Species: *Panicum hallii*

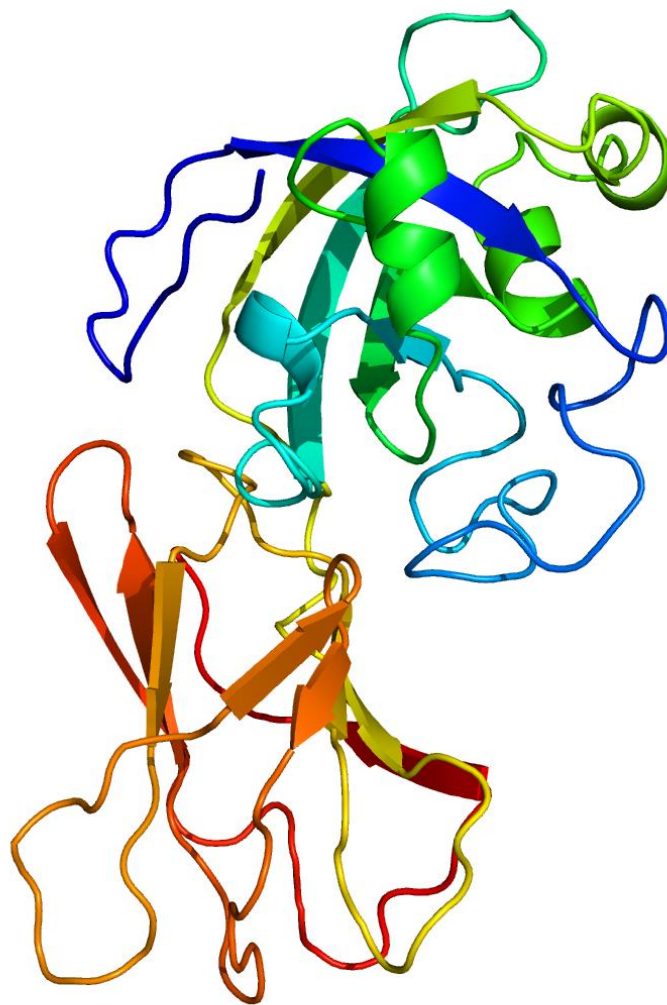
Locus: Pahal.7G230100

Gene Model: Pahal.7G230100.1.p

Description: PhEXPB-12

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>

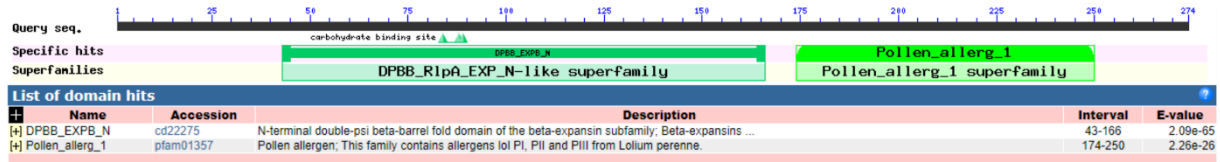
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhEXPB-12

MASPRSLALFLLCILAPAPPVPAALLFGGGKSAKAAGGLDMEWRPATATWYGDAEG
 DGSDGGACGYGTLVDVVPMKARVGSVSPVLFMDGEGCGACYKVKCLDRGICSRRA
 VTVIVTDECPGGLCAFGHTHFDLSGAAFSRMAVAGAGGRLRDRGQLNVVYRRTACK
 YGGKNIAFRVNEGSTSFWLSLLVEFEDGEEDIGSMQIKQANSVEWLDMKHVWGAT
 WCLVRGPLVGPFSVRLTTLsAKKTLTARDVIPRNWAPKATYTSRLNFEPsL*

CDS (coding sequence)

>PhEXPB-12

ATGGCTTCCCCGCGCTCCCTCGCCCTCTTCCTGCTCTGCATTCTGGCGCCGGCGCC
 GCCCGTACCAGCCGCATTGCTGTTCGGGGGCGGGAAGTCGGCCAAGGCGGCGGG
 GGGCCTGGACATGGAGTGGCGGCCGGCCACTGCGACGTGGTACGGCGACGCCGA
 GGGCGACGGCAGCGACGGCGGCGCGTGCGGGTACGGGACCCTGGTGGACGTGGT
 GCCGATGAAGGCGCGGGTGGGGTTCGGTGAGCCCCGTGCTGTTTCATGGACGGCGA
 GGGCTGCGGCGCCTGCTACAAGGTCAAGTGCCTGGACCGCGGCATCTGCTCGCGC
 CGGGCCGTGACGGTCATCGTCACGGACGAGTGCCCCGGCGGCCTCTGCGCGTTCG
 GCCACACGCACTTCGACCTCAGCGGCGCCGCCTTCAGCAGGATGGCCGTCGCCGG
 CGCCGGAGGACGCCTGCGCGACCGCGGCCAGCTGAACGTCGTCTACAGGAGGAC
 TGCCTGCAAGTACGGCGGGAAGAACATAGCATTCCGTGTGAACGAGGGCTCGAC
 CAGCTTCTGGCTCTCGCTGCTCGTTCGAGTTCGAGGACGGCGAAGGCGACATTGGA
 TCCATGCAGATAAAGCAGGCCAACTCGGTGGAGTGGCTGGACATGAAGCACGTG
 TGGGGGGCCACGTGGTGCCTGGTGCGGGGCCCGCTCGTGGGGCCCTTCTCCGTGA
 GGCTGACCACGCTGTCCGCCAAGAAGACGCTCACGGCCCCGGGACGTCATCCCCA
 GGAAGTGGGCGCCCAAGGCCACCTACACCTCGCGCCTCAACTTCGAGCCGTCCCT
 CTAG

Nucleotide

>PhEXPB-12

ATGGCGCCACCGCCGGCGGGACTCGTCGTGTCGCTGCTGCTGGCCGCCGTCGCGA
 ACGCGGGCGGCGCTAAGGCCCTGACGCCAGGCGGGCGCGTGGTGCACCACAACC

ATGGCAAGTTCACGGCCGGCCCGTGGAAAGCCGGCGCACGCGACCTTCTACGGCG
GGCGCGACGGGTCCGGCACGACGGCGGGCGCGTGCGGGTACAAGGACACCCGGG
CGGAGGGGTACGGCGTACAGACGGTGGCCGTGAGCCCGGTGCTGTTCGGCGACG
GCGCGGCGTGCGGCGGGTGCTACGAGGTGCGGTGCGTGGACAGCCCCGACGGGT
GCAAGGCCGGCGCGGGCGGCGGCGGTGGTGACGGCGACGAACCTGTGCCCCGCCA
ACTACCAGCAGTCGGGCGACAACGGCGGGTGGTGCAACCCGCCGCGGGAGCACT
TGGACCTGAGCATGCCGGCGTTCCTGCAGATCGCGCAGGAGAAGGCCGGCATCG
TGCCGGTGTCGTACCGGCGGGTGGCGTGCCTGAAGCAGGGCGGCATCCGGTACA
CCATCGCCGGGAACAAGTACTTCAACATGGTGATGGTGACGAACGTGGGCGGCG
CCGGCGACCTGGCGGGCGGTGTCGGTGAAGGGGAGCAAGCGCGTCAAGTGGACGG
AGCTGAAGCGCAACTGGGGGCAGGTGTGGCAGACCGGGGAGGACCTCACCGGCG
AGTCGCTGACGTTCCGGCTGATGACCAGCGACCACCGCAAGGCCACCTCCTGGCA
CGTGCTCCCCACGGACTGGCAGTTCGGCGTACCTACCAGGCCGACAAGA ACTTC
TAG