

## IDENTIFICATION

**Species:** *Panicum hallii*

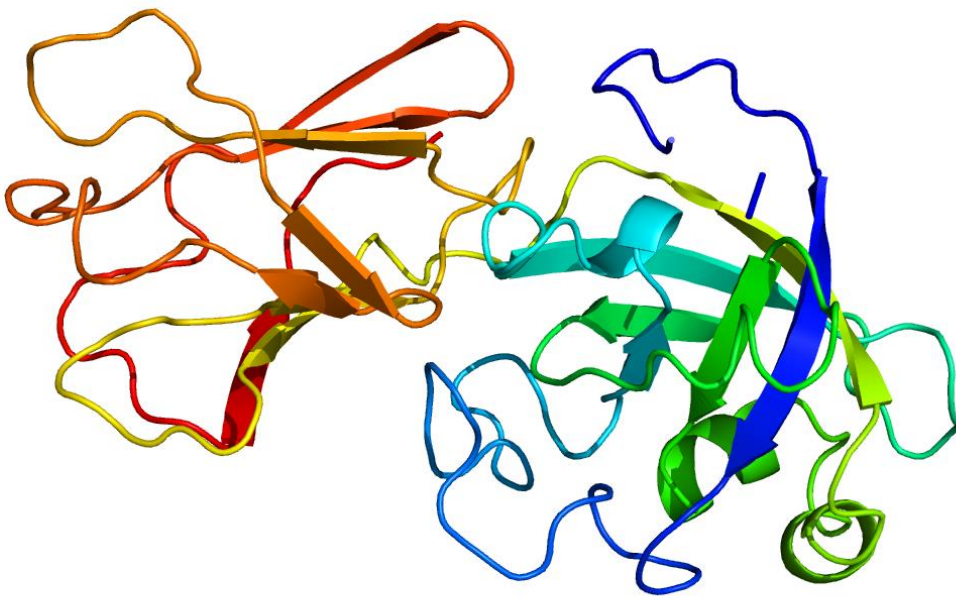
**Locus:** Pahal.7G245200

**Gene Model:** Pahal.7G245200.1.p

**Description:** PhEXPB-16

**Family:** Beta Expansin

**3D structure:**



## GENOME DATABASES

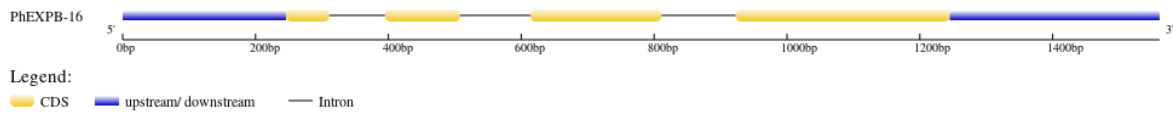
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Phallii\\_v3\\_1](https://phytozome-next.jgi.doe.gov/info/Phallii_v3_1)

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

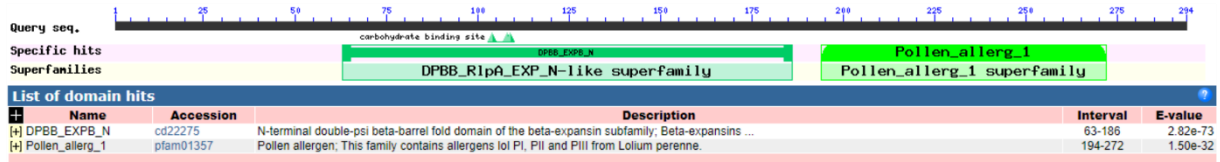
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>PhEXPB-16

MATSSPSAFRYALASVILSLLVSTISCDDGAPEESRVEHPQRQNDTTGGSRRGLWAPA  
 RGYGWSYGGATWYGSPYGAGSDGGACGYQGAVSQRPFRRSMIAAGGPSLFKNGKGC  
 GACYQNKCTGNRACSGRPVTVTITDSCPGGACLAESAHFDMSTAFGAMANRGMA  
 DRLRSAGILKIYKRVPCYNGMAINFKVDAGSNPYLAVLVMYVSGDGDVAKVD  
 VMQAGCNSWTPMQQSWGAVWRVNSNDGKPLRAPFSVRITSGSGKVLVARNAIPAG  
 WGAGATYRSTVNYGY\*

### CDS (coding sequence)

>PhEXPB-16

ATGGCCACCAGTAGTCCAAGCGCGTTCCGGTATGCCCTGGCGTCAGTGATCCTAT  
 CTCTTCTTGTGAGCACCATCTCCTGCGACGACGGAGCTCCGGAGGAGTCCAGGGT  
 CGAGCACCCGCAGCGGCAGAACGACACCACGGCGGCAGCAGGAGGGGCTCTG  
 GGCGCCGGCCCGGGGCTACGGCTGGTCTACGGCGGCGCCACGTGGTACGGCAG  
 CCCGTACGGCGCCGGCAGCGACGGTGGCGCGTGCGGTTACCAGGGCGCCGTGAG  
 CCAGCGCCCCTTCAGGTCCATGATCGCCCGCGGCGGGCCCTCCCTCTCAAGAAC  
 GGCAAAGGATGCGGCGCGTGCTACCAGAATAAGTGCACCGGCAACAGGGCCTGC  
 TCCGGCCGGCCGGTGACCGTCACCATCACCGACTCCTGCCCCGGCGGCGCCTGCC  
 TCGCCGAGTCGGCGCACTTCGACATGAGCGGCACGGCCTTCGGCGCCATGGCCAA  
 CCGCGGCATGGCCGACCGCCTCCGCTCCGCGGAATCCTCAAGATCCAGTACAAG  
 AGGGTTCCGTGCAAGTACAACGGCATGGCCATCAACTTCAAGGTGGACGCGGGC  
 TCCAACCCTACTACCTCGCCGTGCTGGTCATGTACGTGAGCGGCGACGGCGACG  
 TCGCCAAGGTGGACGTCATGCAGGCCGGCTGCAACTCGTGGACGCCGATGCAGC  
 AGTCGTGGGGCGCCGTGTGGCGCGTCAACTCCAACGACGGCAAGCCGCTGCGCG  
 CGCCCTTCTCGGTCCGCATCACCTCGGGCTCCGGCAAGGTGCTCGTCGCCAGGAA  
 CGCCATCCCCGCGGCTGGGGCGCCGGGGCGACCTACAGGTCCACGGTGAAC  
 CGGCTACTGA

## Nucleotide

>PhEXPB-16

TGGCCGCCTATAAATAGAGCAGTAGAACATGCTTCTACCCACACAGCTTACCCAC  
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CCAGCTTCTGTTCTTCGTTGTGGTTGCAGCGATCGCCTCGCTGCTCCATCCTTGCG  
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CAACAGGTGAAATGCACCGGAAATGACGCTTGCTCCGGCAACCCGGTGACCGTT  
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AAGCTGCGCGCCGCCGGTGTCTCAAAGTGCAGTACACCCGGTAAGCATACTACC  
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CGCCGTGCTCGTCAAGTACCAGAACGGCGACGGCGACCTCTCGGGCGTCGAGCTC  
ATGCAGACCGGCCAGGGGCGCGTGGGGCGCCCATGCAGCAGTCGTGGGGCGCC  
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