

## IDENTIFICATION

**Species:** *Panicum hallii*

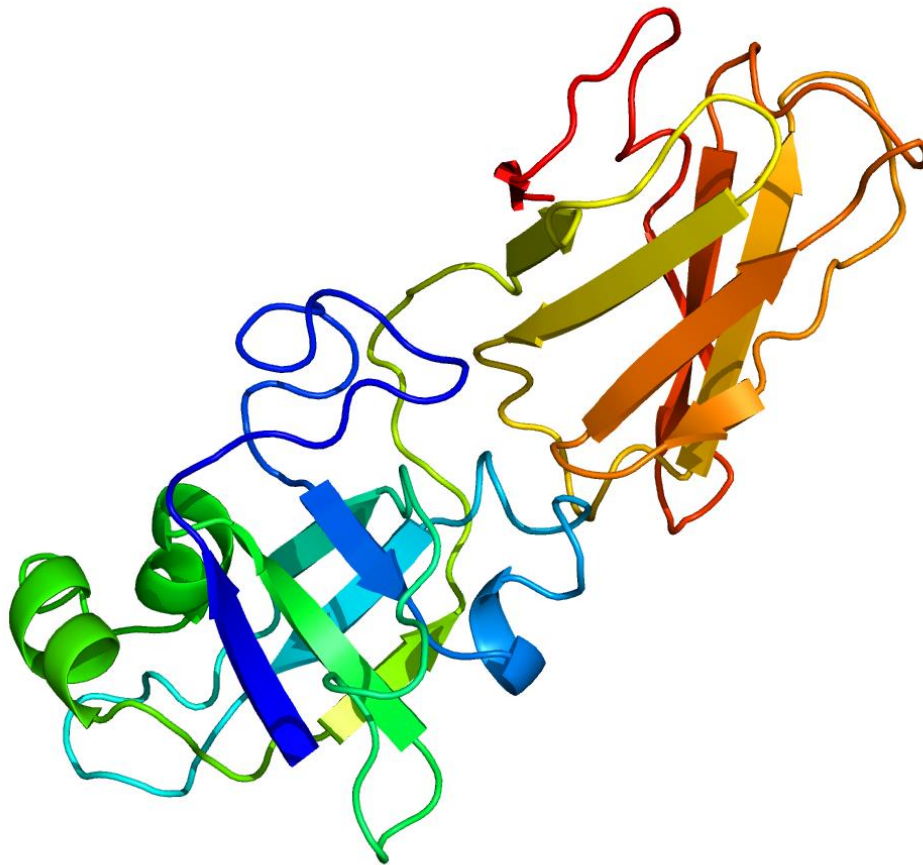
**Locus:** Pahal.1G334900

**Gene Model:** Pahal.1G334900.2.p

**Description:** PhEXPB-05

**Family:** Beta Expansin

**3D structure:**



## GENOME DATABASES

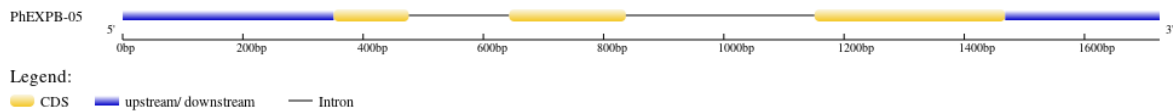
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Phallii\\_v3\\_1](https://phytozome-next.jgi.doe.gov/info/Phallii_v3_1)

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

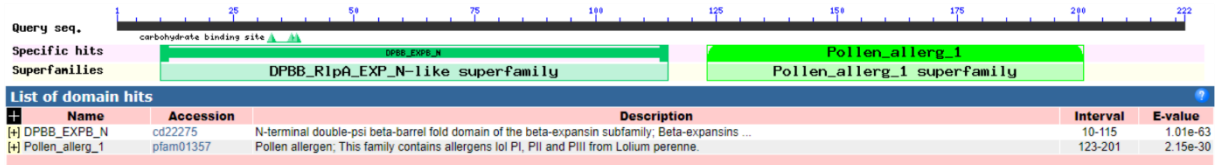
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>PhEXPB-05

MERGEFVYAGGACGYQTA VVGQRPFSSMIAAGSPSLFKGGKGC GACYE VKCDSNPAC  
SGQPATVVITDECPAGVCLAEAAHFDMSGTSMGAMAKPGMADRLRAAGILKVQYK  
RVPCKYSGVNIAFQVDQGSNPFYFEVLVEFEDGDGDLSAVHLMEAGCSTWTPMVQN  
WGALWRYNSNTGKALRAPFSIRLTSDSGKVLVANNVIPASWKAGATYRSLVNYS\*

### CDS (coding sequence)

>PhEXPB-05

ATGGAGCGGGGCGAATTTGTATATGCAGGCGGGCGCGTGCGGCTACCAGACTGCC  
GTCGGCCAGCGGCCGTTCTCGTCGATGATCGCCGCCGGGAGCCCGTCTCTGTTCA  
AGGGAGGCAAGGGATGCGGCGCCTGCTACGAGGTTAAATGCGACAGCAACCCGG  
CGTGCTCCGGGCAGCCGGCGACCGTGGTCATCACCGACGAGTGCCCCGCCGGGGT  
CTGCCTCGCTGAGGCGGCCCACTTCGACATGAGCGGCACCTCCATGGGCGCCATG  
GCGAAGCCCGGCATGGCCGACAGGCTCCGCGCCGCCGGAATCCTCAAGGTCCAG  
TACAAGAGGGTGCCGTGCAAGTACAGCGGCGTGAACATCGCCTTCCAGGTGGAC  
CAGGGCTCCAACCCGTTCTACTTCGAGGTGCTGGTCGAGTTCGAGGACGGCGACG  
GCGACCTCAGCGCCGTCCACCTGATGGAGGCTGGCTGCAGCACCTGGACGCCGAT  
GGTGCAGAACTGGGGCGCGCTGTGGCGCTACAACCTCCAACACCGGCAAGGCGCT  
GAGGGCGCCATTCTCGATCCGGCTTACCTCCGACTCCGGCAAGGTCCTCGTCGCC  
AACAACGTCATCCCCGCCAGCTGGAAGGCCGGAGCCACGTACCGCTCCTTGGTGA  
ACTACTCTTAA

### Nucleotide

>PhEXPB-05

GCGGGCAGCACACTCCACTCCACTCCACTGCCCGCACTCCACCGCTCCGCCTGT  
CGTCGTGGGCGCCGGCCATGGCTTCCACCAAGACCTGGGCCCTGTCTCGCTTCGT  
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CTCCACCGCAAGCTCTCCGGCTGGTCCGGCGACGCCGGCGCGACGTGGTACGGCG  
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CACACAAATACAATATGTAGTTCGTAGTTCCTGCTGATAATGTAATGCCTGCCCT

CATGCGTGCGTGTCGATCTGTTTCGTTGTGCAGGCGGCGCGTGCGGGTACCAGAA  
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CTTCTTGTGTGGCTTCACGCATGCACGTACAGACATTCTCGCGTAGCCTGGACTT  
CGTGACAGGCCGGCTAGATTCCAGAGCGTCCCTTCCTCGCCCGCTTGTACTCTTGC  
GCCGTCCATGACCGCGCGCTGCGTTGTGCCTTTTTTTTTTTTTTGCATGCAGGGTGCC  
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ATCAATAAACGTTAGTAGAAGT