

## IDENTIFICATION

**Species:** *Panicum hallii*

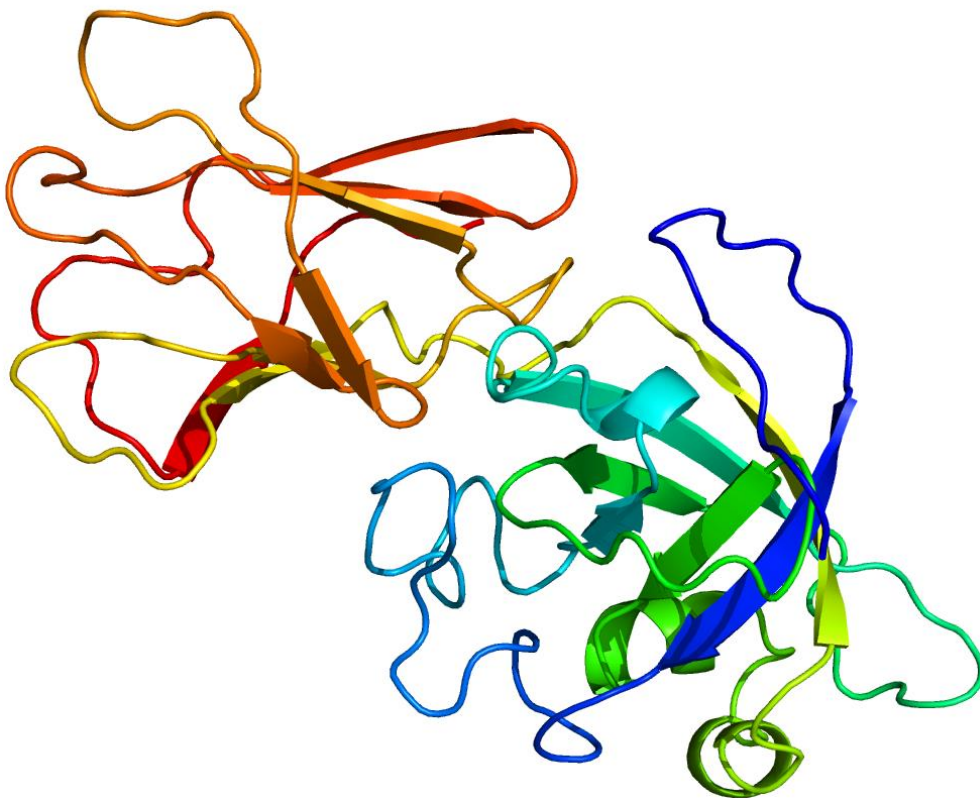
**Locus:** Pahal.9G389500

**Gene Model:** Pahal.9G389500.1.p

**Description:** PhEXPB-28

**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>

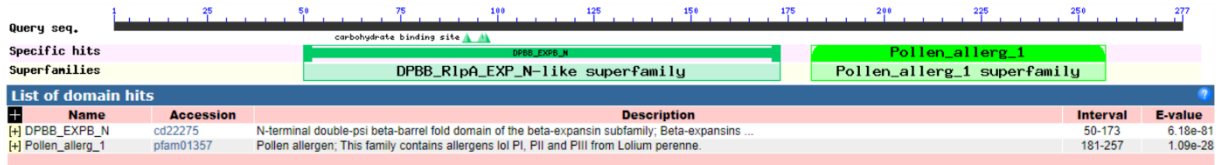
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>PhEXPB-28

MAAALFSFRAAALAALLLAVIAACGARAQQQPTNASDSQERSLLSYSGGWIPAKAT  
WYGAPTGAGPDDNNGGACGFKHTNQYPFSSMTSCGNEPIFKDGKGCSCYQIRCLKS  
NHPACSGVPQTVVITDMNYYPVAKYHFDLSGTAFGSMANYGLNDKLRHAGIIDMQF  
RRVPCNFPGLTINFVVQHGSNPMYLA VLVEFEDKDGDVVQVDIMQHNSGHWEPMH  
ESWGSIWRIIDPNRPLKGPYSLRITNESGKQLVAKNIIPDNYIPNTNYSYVQY\*

### CDS (coding sequence)

>PhEXPB-28

ATGGCCGCCGCGCTCTTCTCCTTCAGGGCCGCGCTCGCCGCGCTCCTCCTCGC  
CGTGATCGCCGCTGCGGGCGCCCGCGCCAGCAGCAGCCACCAACGCCTCCGAC  
TCCCAGGAGAGATCCTTGCTGTCTACAGCGGCGGCTGGATCCCGGCCAAGGCCA  
CCTGGTACGGCGCGCCACCGGGCGCCGGCCCCGACGACAACGGCGGCGCGTGGC  
GCTTCAAGCACACCAACCAGTACCCCTTCTCCTCCATGACGTCTGCGGCAACGA  
GCCATCTTCAAGGACGGCAAGGGCTGCGGCTCTGCTACCAGATTCGGTGCCTT  
AAGAGCAACCACCCCGCCTGCTCCGGCGTGCCGCAGACTGTGGTCATCACCGACA  
TGAATACTACCCGGTGGCCAAGTACCACTTCGACCTCAGCGGCACGGCGTTCGG  
CTCCATGGCCAACTACGGCCTCAACGACAAGCTCCGCCACGCCGGGATCATCGAC  
ATGCAGTTCAGGAGGGTTCCGTGCAACTTCCCCGGCCTGACGATCAACTTCGTCG  
TCCAGCACGGCTCCAACCCCATGTACCTGGCGGTGCTCGTCGAGTTCGAGGACAA  
GGACGGCGACGTGGTGCAGGTGGACATCATGCAGCACAACCTCCGGCCACTGGGA  
GCCGATGCACGAGTCCCTGGGGATCCATCTGGAGGATCGACCCCAACCGCCCGCTC  
AAGGGCCCCTACTCGCTGCGCATCACC AACGAGTCCGGCAAGCAGCTGGTGGCC  
AAGAACATCATCCCGGACAACACTACATCCCCAACACCAACTACCGCTCCTACGTCC  
AGTACTAA

### Nucleotide

>PhEXPB-28

AAAAGCAGAGGAGATCAAGCTGGGATCCATGGCCGCTGTGATGATCTCCTTCAA  
GGCTATTGCACTGGTGGCAGCACTCCTCCTCCCCGTTCTGGGCGCTCACGCCGAG

CCGAGCTACAATAACGTCACCTCCGCCCGCAGGGAGCTGTACTACTCCGCCGGCT  
CCACCCCCAGCAGCACCTGGCGGCCCTGCCAGGGCCACCTGGTACGGTCCGCCCAA  
CGGCGCCGGCCCTGACAACAACGGTATGTGCCGGAGCTAATGCTGCCTTGTTGTG  
CGTCTGAGACTGTCCTGGCGGTTCGCGATGCTGATCGATCGATACGATCTGCAGGT  
GGCGGGTGTGGGTACAGCAACACCAACCAGTACCCGTTCAACTCCATGACGTCGT  
GCGGCAACCAGCCCCTGTTCTTGGACGGCAAGGGCTGCGGCGCATGCTACCAGGT  
ACGAGCATGAGCATGAGCATTCTAAGCAATGTCACAATGCATGATAATATGCATC  
GATCTTCTTCACGTACGTTCTGAACTTCTGATTGCTCTGCCTATATGCTTCAGATA  
AGGTGCACCAGCAAGAACAACCCTGCCTGCTCCGGCGAGCCCAAGACGGTGATC  
ATCACCGACGTGAACTACGACACCAAGGTGCCCCCTACCACTTCGACCTCAGCG  
GCACGGCGTTCGGAGCCATGGCCAGGCCCGGCTACAACGACAAGCTCCGCAGCG  
CCGGCATCCTGGACATCCAGTTCGGCGGGTGCCCTGCAGCTACAGGGGCCTGCC  
GGTGAGGTTCCACGTGATGGGCGGCTGCAACCCCTTCTACTTCGCGGTCATCGTG  
TACTACGCCGGCAGCGACGGCGCCGTGGTGCAGGTGGAGCTGAAGGAGGCCAAC  
TCCAACACGTGGCGGCCGCTCTACGAGTCCTGGGGCGCCGTCTGGAGGATCGACC  
CCGGCCACCCGCTCAAGGCGCCCCTCTCGCTGCGCGTCCGCAGCGACTCCGGCAA  
GGTCCTCGTCGCTAACAACGTCATCCCGGTCAACTGGAGGGGCAACGCCGACTAC  
CGCACCATTGCCAGTTCGCTGAACGCTCGCCGGCGGCAATAGATCACTCACAA  
TCATCTGCTCGGCCGGTTCATTACTTTTTGTATCGTCGTCGATCAATCATGTGATT  
GCGAATTTGCAGTGGATTTTTCTTTACTGTCTTTGCGAGGTTTCTTGTGAGATTATT  
GTTGCTCCTACTTGCGATTTGGAGAATTATTCTAGGTAAGTCTTGAGAAAATTCTT  
TGTGCACCATTGAAACCTATAACAATCCCTTCATTGACATCCAAAATTAGAGGAT  
CCCTTCATTGCCATTAATTCTAATTTTCATTCCCTTATCTGTCATTACCATTACTTT  
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