

## IDENTIFICATION

**Species:** *Panicum hallii*

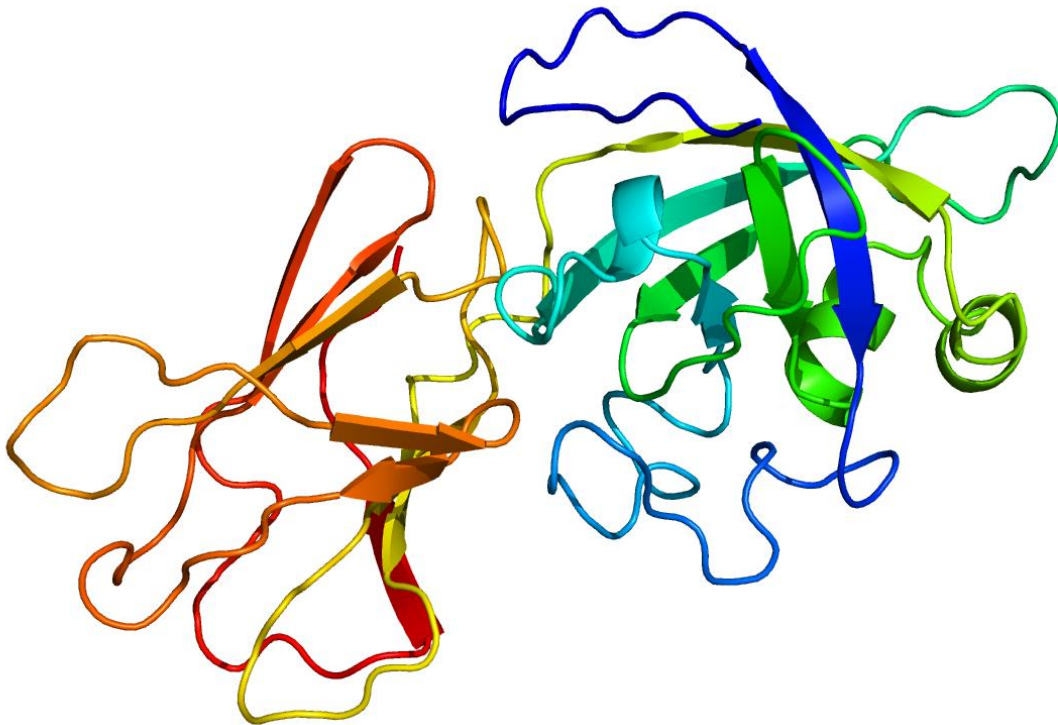
**Locus:** Pahal.9G388600

**Gene Model:** Pahal.9G388600.1.p

**Description:** PhEXPB-24

**Family:** Beta Expansin

**3D structure:**



## GENOME DATABASES

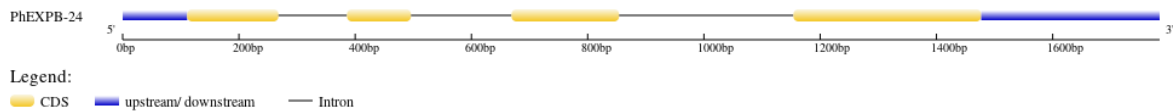
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Phallii\\_v3\\_1](https://phytozome-next.jgi.doe.gov/info/Phallii_v3_1)

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

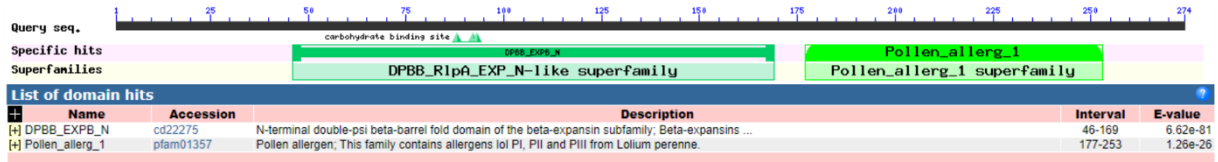
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>PhEXPB-24

MMAAQAAAALVAGLLAVLVVAHGVRAQPANDTSSAVRQLLGSGGGWLPKATW  
 YGAPNGAGPDDNNGACGFKGTNQYPFMSMTSCGNEPLFQDGQCGACYEIKCTSKD  
 NPACSGQPKRVMITDMNYYPVAKYHFDLSGTAFGALAMPGLNDRRLRHAGIINIQRFR  
 VPCDNRGLTVNFHVEQGSNPVYLAVLVQYANKAGTVLQMDLLESGSSYWTPMRRS  
 WGSVWRLDSNHPLRAPFSLRIRGESGQTLVANNVIPANWRPNTDYRSYVQFS\*

### CDS (coding sequence)

>PhEXPB-24

ATGATGGCCGCCAGGCAGCTGCTGCACTCGTTGCTGGGCTCCTCGCCGTGCTTG  
 TCGTCGCGCATGGCGTTCGAGCACAGCCGGCGAACGACACCTCCTCCGCCGTCGG  
 CCAACTCCTCGGCTCCGGCGGGCGGCTGGCTCCCGGCCAAGGCCACCTGGTACGGC  
 GCGCCCAACGGAGCCGGCCCCGACGACAACGGTGGCGCGTGTGGGTTCAAGGGC  
 ACCAACCAGTACCCCTTCATGTCCATGACGTCGTGCGGCAACGAGCCCCTGTTC  
 AGGACGGCCAGGGCTGCGGTGCATGCTACGAGATAAAGTGCACCAGTAAGGACA  
 ACCCCGCCTGCTCCGGCCAGCCCAAGAGGGTGATGATCACGGACATGA ACTACTA  
 CCCGGTGGCCAAGTACCACTTCGACCTCAGCGGCACGGCCTTCGGCGCCCTTGCA  
 ATGCCGGGCCTCAACGACAGGCTGCGCCATGCGGGCATCATCAACATCCAGTTCA  
 GGAGGGTACCCTGCGACAACCGGGGGCTCACCGTCAACTTCCACGTGGAGCAGG  
 GCTCCAACCCCGTCTACCTAGCGGTGCTGGTCCAGTACGCAAACAAGGCGGGAAC  
 CGTGCTGCAGATGGACCTCCTCGAGTCCGGCTCGAGCTACTGGACACCGATGCGG  
 CGCTCTTGGGGCTCCGTCTGGCGGCTGGACTCCAACCACCCGTTGCGGGCGCCCT  
 TCTCGCTGCGCATCCGTGGCGAATCTGGCCAGACGTTGGTGGCCAACAACGTCAT  
 CCCGGCAAACCTGGAGACCCAACACCGACTACCGCTCCTACGTCCAGTTTAGCTAA

### Nucleotide

>PhEXPB-24

CATCGAAACACAGAGCTTCTTGTCTGACCAGCGCTAGCAACTAATTACGAGCTAG  
 TAGCTAGTAAGACAACGACGATGGCGTCCATGATCGCCGGCTCGTCCAAGGTGGT  
 GGTTGCACTGATCTTCTCCCTCCTTGTCTCGTATGGCTCGTGGCGCTAGGCCGCCGC

CGGTGAACCTTAACGCCTCTGCCTTCACCGCCGACTCCAACCTGGGAGGCTGCCAG  
GGCCACCTGGTACGGCGCGCCCACCGGCCGCGCCCCGACGACGATGGTACGCG  
TATACATGTATATGGATCACCGATGGTCGCCGGCGCCTGGCGCCTGGCGATCTTG  
CCGTGTTTATGAACGACCTATAAACTTAAGCTTGCATCCATTCGCTGTGCGTGCAG  
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CGCCGGCATCATCGACATCCAGTTCAAGAGGTCCGGTAACACACGCAGCGCTTATT  
TCATGGAATCACAGACCGACCAAATAATCTGTAGTAGGCCCTGCACGAACAGAA  
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CTTCCACTTCACAATCAATTTGGCGTTTTGTGCATCATGCCTGTTGATCACAAGTTA  
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