

## IDENTIFICATION

**Species:** *Panicum hallii*

**Locus:** Pahal.9G196400

**Gene Model:** Pahal.9G196400.1.p

**Description:** PhEXPB-19

**Family:** Beta Expansin

**3D structure:**



## GENOME DATABASES

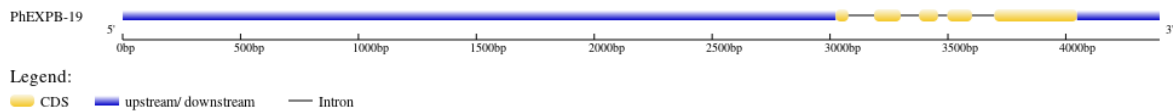
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Phallii\\_v3\\_1](https://phytozome-next.jgi.doe.gov/info/Phallii_v3_1)

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

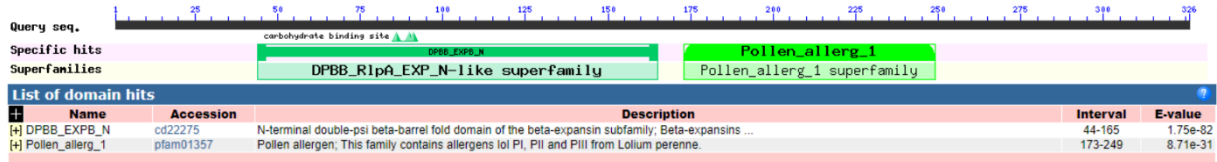
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>PhEXPB-19

MASMIASSKVVTLGALIFLLLVSYGSCTRIVNFNASHITADPYWVAARATWYGAPTG  
AGPYDNGGACGFKNVNLPFSAMTSCGNQPLFKDGGKGCSCYQIRCLNHPACSGNP  
ETVAITDMNYYPVAKYHFDLSGTAFGALAQGRNDELRHAGIIDIQFKRVPCIYPGLT  
VTFHIEHGSNPVYFAVLVEFEDGDGDVVQVDLMEANSWWTPMRESWGSIWRLDS  
NHRLRAPFSLRITNESGQKLVA YQVIPANWAPNTYYRSNIQYQAMSSGAGLDMSSGA  
GLDISSTAGLVISSAAGLDTKILGISGLICLVFLSLHGIEVP\*

### CDS (coding sequence)

>PhEXPB-19

ATGGCATCCATGATTGCCTCGTCCAAGGTGGTTACACTTGGTGCCTGATCTTCCT  
CCTCCTTGTCTCGTATGGCTCATGCACTAGGATCGTCAACTTCAATGCCTCCACA  
TCACCGCGGACCCCTACTGGGTGGCTGCCAGGGCCACTTGGTATGGTGCGCCAAC  
CGGCGCTGGCCCCTACGACAATGGTGGGGCTTGCGGGTTCAAGAACGTGAACCTG  
CCTCCTTTCTCGGCCATGACGTCGTGCGGTAACCAGCCCCTATTCAAGGATGGCA  
AGGGCTGCGGCTCGTGCTACCAGATAAGATGCCTCAACCACCCTGCGTGCTCCGG  
CAACCCGGAGACGGTGGCGATCACGGATATGAACTACTACCCAGTCGCCAAGTA  
CCACTTTGACCTCAGCGGCACGGCGTTTGGGGCCTTGGCACAGCCCGGCCGCAAC  
GACGAGCTCCGCCACGCCGGCATCATCGACATCCAGTTCAAGAGGGTGCCCTGCA  
TCTACCCCGGGCTGACAGTAACCTTCCACATCGAGCACGGCTCAAACCCCGTCTA  
CTTCGCAGTGCTTGTGAGTTTGAAGATGGAGACGGCGATGTGGTCCAGGTGGAC  
CTCATGGAGGCCAACTCCGGGTGGTGGACGCCGATGCGGGAGTCATGGGGATCC  
ATCTGGAGGCTGGACTCCAACCACCGGCTCAGAGCGCCCTTCTCGCTGCGCATCA  
CCAACGAGTCCGGCCAGAAGCTGGTGGCGTACCAGGTCATCCCGGCCAATTGGG  
CGCCCAACACTTACTACCGCTCCAACATCCAGTACCAGGCTATGAGCTCTGGTGC  
TGGACTGGATATGAGCTCTGGTGTGACTGGATATAAGCTCTACTGCTGGGCTG  
GTTATTAGCTCTGCTGCTGGGCTGGACACGAAAATTCTCGGGATCAGTGGCTTGA  
TTTGTGGTATTGTTTAGTTTGCATGGGATTGAGGTGCCTTAG

## Nucleotide

>PhEXPB-19

TAAACCCCTTCATCCCCTTGCTCTCGGAGTCGGAGCTCGCAGGCGCCGTTCCCCTG  
CCCTCACCGTCCCTTGGCTATTTTTCTCGCCGCCGCCCTACATTTCTCCATCGC  
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AATACAACCTGCATAAACTGACCGCCGCCACTCCGCACCTAGGCCGAAGCCGCA  
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AATCCCACGCTTTTATTTCTCCCTTGGTCTATCACAGGTGTACTGAAGTCTGTTTT  
CGTGTGCAGGGGAATTTGGCTTCGCGGCAGGCGGCGGCATCCAAGCCCAGCAGA  
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