

## IDENTIFICATION

**Species:** *Panicum hallii*

**Locus:** Pahal.7G245100

**Gene Model:** Pahal.7G245100.1.p

**Description:** PhEXPB-15

**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>

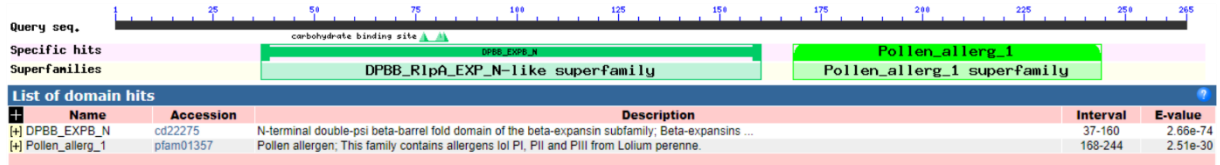
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>PhEXPB-15

MASESQLLFFVVVAIASLLHPCDSIEFHRKLSGWSSDGGATWYGGATGAGSDGGA  
CGYQGAVDQAPFSSMIAAGSPSIYKSGMGCSCFQVKCTGNDACSGNPVTVVITDEC  
PGGGACTNEPVHFDLSGTAFGAMAKSGQADKLRAAGVLKVQYTRVPCSWPGVQLT  
FVVDAGSNPNYFAVLVKYQNGDGLSGVELMQTGPGAAWAPMQQSWGAVWKFN  
AGSALQAPLSIRLTSSSGKQLVASNVIPVGWKPAAAYQSAANY\*

### CDS (coding sequence)

>PhEXPB-15

ATGGCTTCCGAGTCCCAGCTTCTGTTCTTCGTTGTGGTTGCAGCGATCGCCTCGCT  
GCTCCATCCTTGCATTCCATCGAGTTCCATCGCAAGCTCTCCGGCTGGTCCAGCG  
ACGGCGGCGCGACGTGGTACGGCGGCGCTACTGGGGCTGGAAGCGATGGTGGCG  
CGTGTGGGTACCAGGGTGCCGTCGACCAGGCGCCGTTCTCGTCCATGATCGCCGC  
CGGCAGCCCTTCCATCTACAAGTCCGGCATGGGCTGCGGCTCTTGCTTCCAGGTG  
AAATGCACCGGAAATGACGCTTGCTCCGGCAACCCGGTGACCGTTGTGATCACCG  
ATGAATGCCCGGCGGGCGGCGGTGCACGAACGAGCCGGTCCACTTCGACCTGA  
GCGGGACGGCGTTCGGCGCCATGGCGAAGTCCGGACAGGCCGACAAGCTGCGCG  
CCGCCGGTGTCTCAAAGTGCAGTACACCCGCGTACCGTGCAGCTGGCCCGGGGT  
GCAGCTAACCTTCGTGTCGACGCCGGCTCGAACCCGAACCTTCGCCGTGCTC  
GTCAAGTACCAGAACGGCGACGGCGACCTCTCGGGCGTTCGAGCTCATGCAGACC  
GGCCAGGGGCCGCGTGGGCGCCATGCAGCAGTCGTGGGGCGCCGTCTGGAAG  
TTCAACGCCGGGTCGGCGTTGCAGGCGCCCTTGTCATCCGCCTGACCTCCAGCT  
CCGGCAAGCAGCTCGTCGCCAGCAACGTCATCCCCGTCGGGTGGAAGCCCGGCG  
CCGCTACCAGTCAGCGGCAACTACTAA

### Nucleotide

>PhEXPB-15

ATGGCTTCTCCGGTTGCATTACCCATTGCGGCATTCGCCGCGCTGCCATTCCTGTC  
ACTCCTTGCAAGCCCCATTATTCCTGCTACGGGAGTCCGGGGCCAATGTCTCCTC  
GGAACCTACACCGCCACCAGCCGGTACACCACCTCAGTGCCGGCGGCTGGGTGGTC

CTCGGGCGGGCGCGACGTGGTACGGGAGCCCTTACGGCGCCGGCAGCGACGGTAA  
GTACATGCACACCCGGACACTGATCAGTGCAGGTGAAGCGTAGGTACCAGTGAC  
TGCTCCTGTAATGGCATGTCAGTTCCGTTGCAGGCGGCGCGTGCGGCTATCAAGG  
CACCGTCAGCCGGCGCCCGTTCTCGTCGATGATAGCCGCCGGCGGCCCTCCCCTC  
TTCAAGAACGGCAGAGGCTGCGGGCGCGTGCTATCAGGTTAGTACTTACTACTACT  
GAGTTTCTTTAGTGTGCATGTACATTCTTGCTCTAACACTGTCTGTACTGTCGTGC  
TAATACCACGAAGATTAAGTGCACCGGCAACAAAGCCTGCTCCGGCCGGCCAGT  
GACCGTCACTATCACCGACTCCTGCCCCGGCGGGGTGTGCCTCGCCGAGGCCGCG  
CACTTCGACATGAGCGGCACGGCCTTCGGCGCCATGGCCAGCCGGGGCATGGCC  
GACCGCCTCCGCGCCGCCGGAGTCCTCAAGATCCAATACAAGAGGTGCGACAAT  
ACATTGAGTTCGAACTGATAATTCCAGTGAAAATGTTAATCTACGCGCACGAGAG  
TAACGCAACGGAGCTGCCTTTTCGCAGGGTGCCGTGCAACTACAACGGCATGGGG  
ATCGCCTTCCGGGTGGACGCGGGCTCCAACCCGTA ACTACCTCGCCGTGCTGATCC  
AGTACCAGAGCGGCGACGGCGACCTCGCCGCGGTGGACATCATGCAGCCGGGCG  
GCGCGTGGGCGCCGATGCAGCACTCGTGGGGCGCCACGTGGCGCGCCA ACTCCA  
ACACCGGCAGGCCGCTGCGCGCGCCCTTCTCGCTCCGGCTCACCTCGGGCGCCGG  
CAAGGTGCTCGTCGTCAGGAACGCCATCCCCGCCGGCTGGCGCGCCGGCAAGAC  
CTACCGGTCCACGGTGA ACTACGCCACTTAA