

## IDENTIFICATION

**Species:** *Panicum hallii*

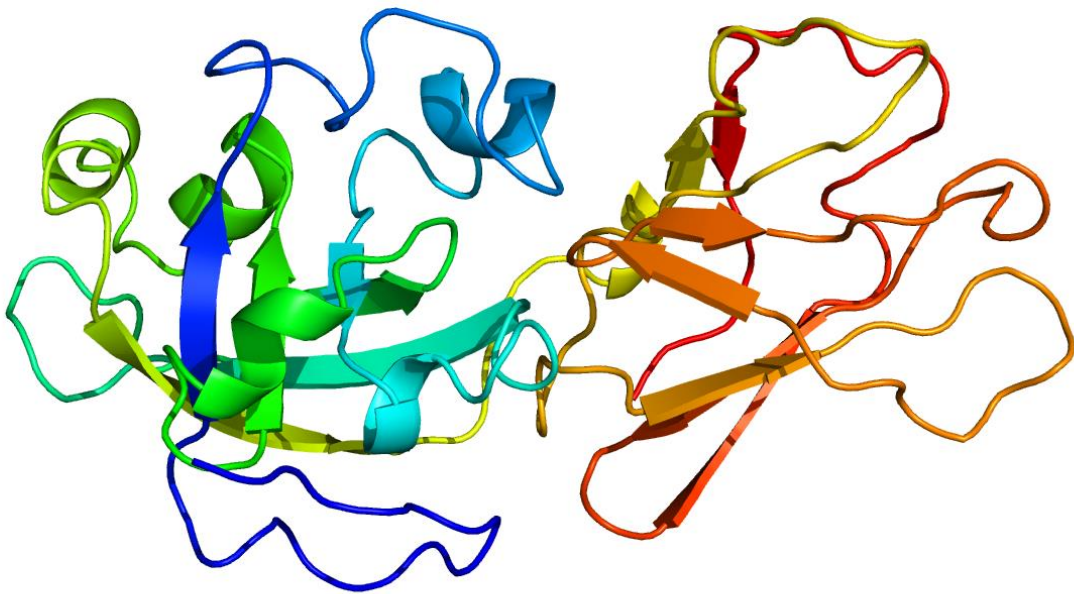
**Locus:** Pahal.4G163500

**Gene Model:** Pahal.4G163500.1.p

**Description:** PhEXPB-11

**Family:** Beta Expansin

**3D structure:**



## GENOME DATABASES

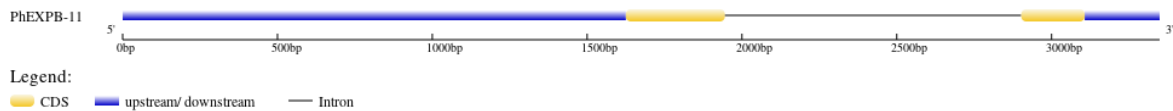
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Phallii\\_v3\\_1](https://phytozome-next.jgi.doe.gov/info/Phallii_v3_1)

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

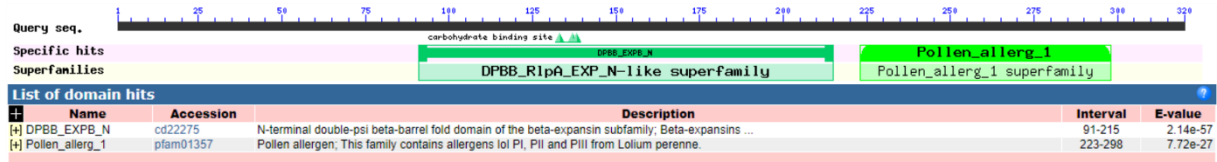
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>PhEXPB-11

MAKLCSVLVTA VVVLSLLTSPIDCTRKLSKPRTKPKPKPVSHRPAPAAKVSHKPAAPA  
 VKVSRKPAPAAKAHRNYTATPSSPSTVYGGGWLSGAGATYYGAPNGDGGEGGAC  
 GYQTA VGKQPFDSMIAAGSTPLYRGGEGCGACYEVKCTTNAACSGHPVTIVITDQSP  
 GGLFPGEVAHFDMSGTALGAMAKPGMADKLRAGGVLRIQYRRVQCKYPGVNVAFK  
 VDQGANPFYFDVLVEFEDDDGDLSAVELMEAGSRAWTPMAHNWGATWRLNNGRR  
 LNA PFGLRLTSDSGRVLVVSNAIPAGWKPGT TYRSLVNYP\*

### CDS (coding sequence)

>PhEXPB-11

ATGGCGAAGCTTTGCTCAGTGCTGGTGACCGCAGTGGTCGTGCTCTCGCTTCTGA  
 CGAGCCCCATTGATTGCACCCGCAAGCTCAGCAAGCCCAGGACAAAGCCCAAGC  
 CCAAGCCGGTCAGCCACAGGCCGGCACCGGCAGCCAAGGTCAGCCACAAGCCGG  
 CGGCGCCTGCCGTCAAGGTCAGCCGCAAGCCGGCGCCTGCGGCCAAGGCCACC  
 GCAACTACACCGCCACCCCTCCTCGCCGTCCACCGTGTATGGCTCCGGCGGCTG  
 GCTGTCCGGCGCCGGGGCCACGTACTACGGCGCCCCAACGGCGACGGCGGCGA  
 AGGCGGCGCGTGCGGGTACCAGACCGCCGTCGGGAAGCAGCCGTTGACTCGAT  
 GATCGCCGCGGGAGTACGCCGCTGTACAGGGGCGGGCAGGGGCTGCGGCGCCTG  
 CTATGAGGTCAAATGCACGACCAACGCGGCCTGCTCCGGCCACCCGGTGACCATC  
 GTGATCACCGACCAGTCCCCCGGCGGGCTGTTCCCCGGCGAGGTCGCCCACTTCG  
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 TCCGCGCCGGCGGGCGTCTGAGGATCCAGTACAGGGCGGGTGCAGTGCAAGTACC  
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 GACTCCGGAAGGGTGCTCGTCGTCAGCAACGCCATCCCCGCCGGGTGGAAGCCC  
 GGGACGACCTACCGGTCGCTGGTCAACTACCCCTGA

## Nucleotide

>PhEXPB-11

CAGGTCCTCAAAGGGCAGCCTCCGCGGCTGCTCCCTCCTCCAACCTGACCCACT  
GCTGCAAATCCCAATAAAGCCTGTGCAGAAAGGAAGCGGGCAAAGCGGCCTCG  
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