

## IDENTIFICATION

**Species:** *Panicum hallii* HAL

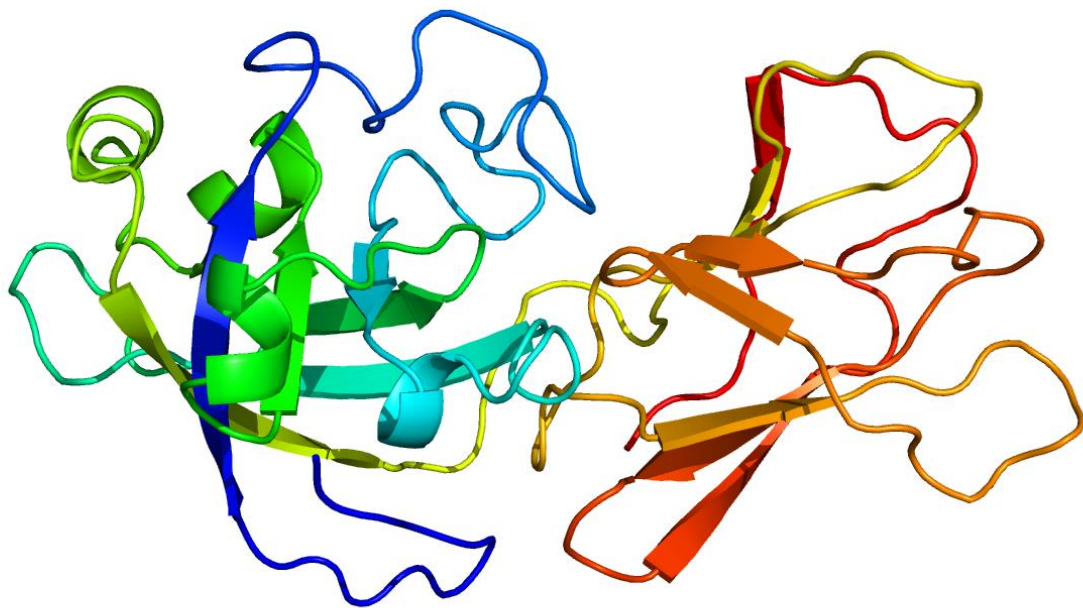
**Locus:** PhHAL.1G315700

**Gene Model:** PhHAL.1G315700.1.p

**Description:** PhhEXPB-01

**Family:** Beta Expansin

**3D structure:**



## GENOME DATABASES

Phytozome: [https://phytozome-next.jgi.doe.gov/info/PhalliiHAL\\_v2\\_1](https://phytozome-next.jgi.doe.gov/info/PhalliiHAL_v2_1)

KEGG:-

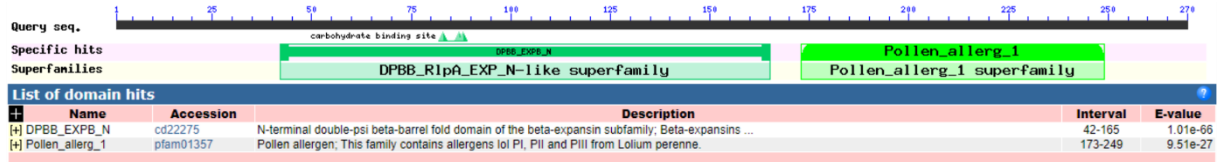
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>PhhEXPB-01

MAGSSSSSAACAVLLASLVCAACLFSGSGEASGAHRVVDPEWHPATATWYGSAEG  
DGSDGGACGYGTLVDVVPMKARVGA VSPVLFKSGEGCGACYKVRCLDRGICSRRA  
VTVIVTDECPGGVCAGGRTHFDLSGA AFGRLA VAGAGGQLRNRGEINVVFRRTACR  
YGGKNIAFHVNEGSTSFWLSLLVEFEDGDGDIGSMQLKQANSAQWQDMQHIWGAT  
WSLTPGPLVGPFSVRLTTLTSKQTLTAQDVIPKNWAPKATYTSRLNFA\*

### CDS (coding sequence)

>PhhEXPB-01

ATGGCCGGCTCCTCGAGCTCTTCCGCCGCTGCGCCGTGCTCCTCGCGTCGCTCGT  
CTGCGCCGCGTGCCTCTTCGGCTCCGGGGAGGCATCGGGGGCGGCGCACAGGGT  
GGTCGACCCCGAGTGGCACCCGGCCACCGCCACCTGGTACGGCAGCGCCGAGGG  
CGACGGCAGCGACGGCGGCGCGTGCGGGTACGGGACGCTGGTGGACGTGGTGCC  
GATGAAGGCGCGCGTTGGCGCGGTGAGCCCCGTGCTGTTCAAGTCCGGCGAGGG  
CTGCGGCGCCTGCTACAAGTCCGGTGCCTCGACCGCGGCATCTGCTCGCGCCGC  
GCCGTACGGTCATCGTCACGGACGAGTGCCCCGGCGGCGTCTGCGCGGGGGGC  
CGCACGCACTTCGACCTCAGCGGCGCCGCGTTCGGCCGCCTCGCCGTGCGCGGCG  
CCGGCGGACAGCTGCGCAACCGCGGCGAGATCAACGTCGTGTTCCGCAGGACGG  
CGTGCAGGTACGGGGGCAAGAACATCGCCTTCCACGTGAACGAGGGCTCCACCA  
GCTTCTGGCTCTCCCTCCTGGTGGAGTTCGAGGACGGCGACGGCGACATCGGATC  
CATGCAGCTCAAGCAGGCAAACTCGGCGCAGTGGCAGGACATGCAGCACATCTG  
GGGGGCCACGTGGAGCCTCACCCCGGGCCCGCTCGTCCGGTCCCTTCTCCGTGAGG  
CTGACGACCCTGACCAGCAAGCAGACGCTCACGGCCCAGGACGTCATCCCCAAG  
AACTGGGCCCCCAAGGCCACTTACACCTCCCGCCTCAATTTTCGCGTAG

### Nucleotide

>PhhEXPB-01

ACCCTACCGCCCTACTGGTGCATCCCCATTGTCCCTTCCGCGCCATTTGTGCAGG  
GGGCCTGGGCAGCTCTGAGCGCTCTGCGCATCGGGGACTGGGGCTTCTCGAAGGC  
TTGAAAGCGATCCCAGAAAGAGAGAGGGGTGGTGTAGGCTACCACCGCGGCCA

TTCCTGCGCGGGACAGCGGCAGTGTCCGGTAGGTGTCCGCTCGCTGCTGGTTACGC  
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GAACCAACAACCATATCGGGCGTATAATCCACCGACGCTCCGTTACATTTTCCGCC  
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AAAACCTGCATCTCGTGCTACATGTCCGTGCAGTGGTCAGTGGAGGAGCTGGAGAG  
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TACTGTT