

## IDENTIFICATION

**Species:** *Panicum hallii* HAL

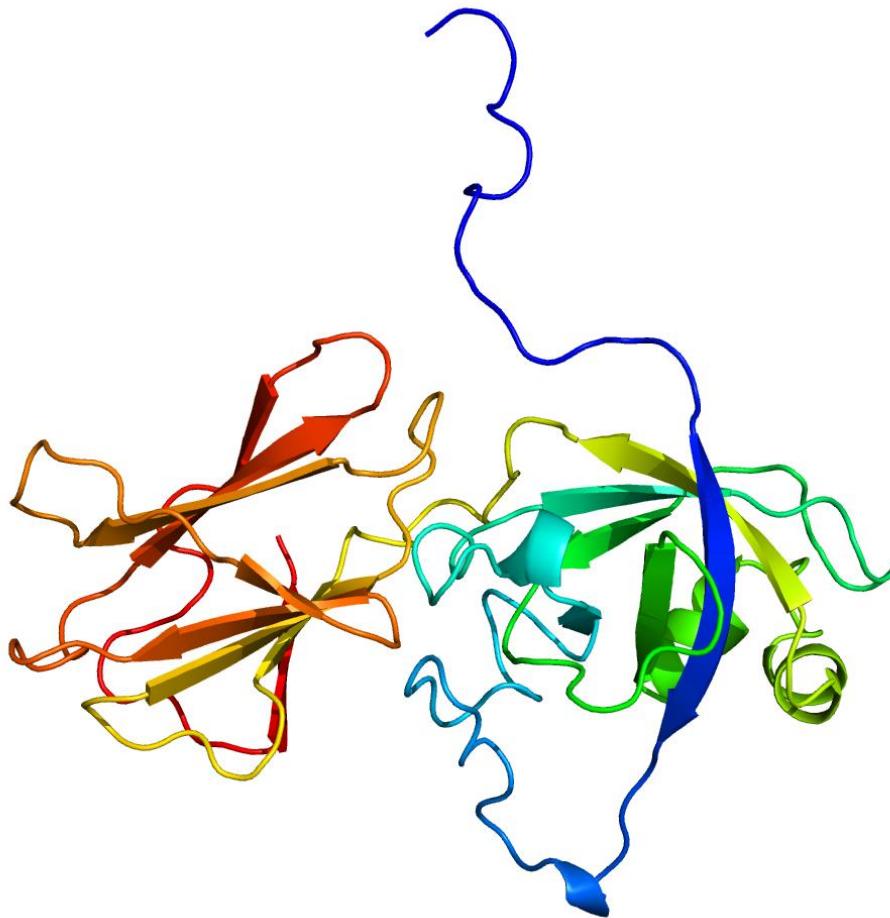
**Locus:** PhHAL.3G448000

**Gene Model:** PhHAL.3G448000.1.p

**Description:** PhhEXPB-07

**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

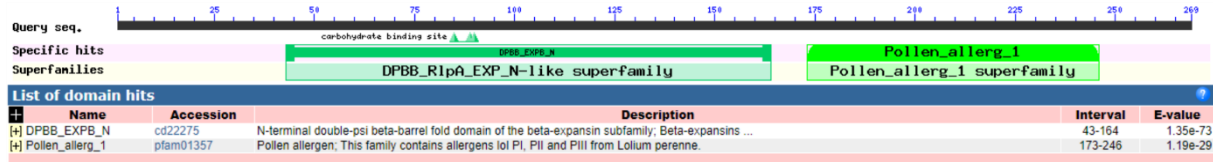
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## GENE STRUCTURE



Legend:  
Exon

## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>PhhEXPB-07

MAAASHTLVTVAVVLAALVGGAWCGPPKVPPGKNISADCDGKWLEAKATWYGKP  
TGAGPDDNGGACGYKEV NKAPFNMGACGNSPIFKDGLGCGSCYEIKCDKPAECSG  
EPIIVYITDMNYEPIAA YHF DLAGTAFGAMAKKGEEELRKAGIIDMQFRRVKCKYP  
ADTKIAFHIEKGCNPNYLALLVKYAAGDGDIVGVDIKEKGAKEYQSLKHSWGAIWR  
MDAPKPIKGPISIRITSEGGKTLEQEDVIPEGWKPD TLYPSKLQF\*

### CDS (coding sequence)

>PhhEXPB-07

ATGGCGGCGGCGTTCGACGCATCTTGTTACGGTGGCGGTGGTGCTCGCGGCGCTCG  
TGGGCGGCGCATGGTGC GG TCCGCCAAAGTTCCCCGGGCAAGAACATCTCGGC  
AGACTGCGACGGCAAGTGGCTGGAGGCCAAGGCGACGTGGTACGGCAAGCCGAC  
AGGCGCGGGGCCGACGACAACGGCGGCGCCTGCGGGTACAAGGAGGTGAACA  
AGGCTCCCTTCAACGGCATGGGGGCGTGCGGCAACTCGCCCATCTTCAAGGATGG  
CCTCGGCTGCGGCTCCTGCTACGAGATCAAGTGC GACAAGCCCGCCGAGTGCTCG  
GGCGAGCCCATCATCGTCTACATCACCGACATGAACTACGAGCCCATCGCCGCCT  
ACCACTTCGACCTGGCCGGCACGGCCTTTGGAGCCATGGCCAAGAAGGGGGAGG  
AGGAGAAGCTGCGCAAGGCGGGCATCATCGACATGCAGTTCCGCCGCGTCAAGT  
GCAAGTACCCGGCCGACACCAAGATCGCCTTCCACATCGAGAAGGGCTGCAACC  
CCA ACTACCTGGCGCTGCTCGTCAAGTACGCCGCCGGCGACGGCGACATCGTCCG  
CGTCGACATCAAGGAGAAGGGCGCCAAAGAGTACCAGTCCCTGAAGCACTCTTG  
GGGCGCCATCTGGAGGATGGACGCCCCAAGCCGATCAAGGGCCCCATCTCCATC  
CGCATCACCAGCGAGGGAGGCAAACGCTCGAACAGGAGGATGTCATCCCCGAA  
GGCTGGAAGCCCGACACCCTTACCCCTCCAAGCTCCAGTTCTGA

### Nucleotide

>PhhEXPB-07

ATGGCGGCGGCGTTCGACGCATCTTGTTACGGTGGCGGTGGTGCTCGCGGCGCTCG  
TGGGCGGCGCATGGTGC GG TCCGCCAAAGTTCCCCGGGCAAGAACATCTCGGC  
AGACTGCGACGGCAAGTGGCTGGAGGCCAAGGCGACGTGGTACGGCAAGCCGAC

AGGCGCGGGGCCCCGACGACAACGGCGGGCGCCTGCGGGTACAAGGAGGTGAACA  
AGGCTCCCTTCAACGGCATGGGGGCGTGCGGCAACTCGCCCATCTTCAAGGATGG  
CCTCGGCTGCGGCTCCTGCTACGAGATCAAGTGCGACAAGCCCGCCGAGTGCTCG  
GGCGAGCCCATCATCGTCTACATCACCGACATGAACTACGAGCCCATCGCCGCCT  
ACCACTTCGACCTGGCCGGCACGGCCTTTGGAGCCATGGCCAAGAAGGGGGAGG  
AGGAGAAGCTGCGCAAGGCGGGCATCATCGACATGCAGTTCCGCCGCGTCAAGT  
GCAAGTACCCGGCCGACACCAAGATCGCCTTCCACATCGAGAAGGGGCTGCAACC  
CCAACCTACCTGGCGCTGCTCGTCAAGTACGCCGCCGGCGACGGCGACATCGTCGG  
CGTCGACATCAAGGAGAAGGGCGCCAAAGAGTACCAGTCCCTGAAGCACTCTTG  
GGGCGCCATCTGGAGGATGGACGCCCCCAAGCCGATCAAGGGCCCCATCTCCATC  
CGCATCACCAGCGAGGGAGGCAAAACGCTCGAACAGGAGGATGTCATCCCCGAA  
GGCTGGAAGCCCGACACCCTCTACCCCTCCAAGCTCCAGTTCTGA