

## IDENTIFICATION

**Species:** *Panicum hallii* HAL

**Locus:** PhHAL.9G649000

**Gene Model:** PhHAL.9G649000.1.p

**Description:** PhhEXPB-28

**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

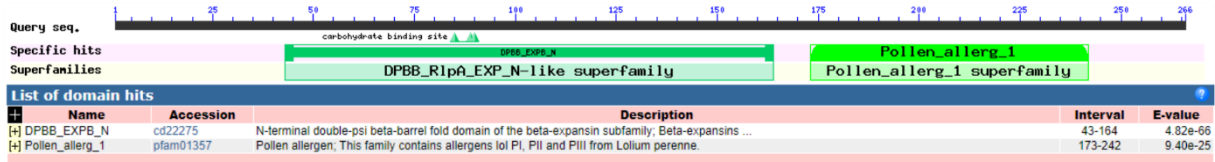
-

## GENE STRUCTURE



Legend:  
Exon

## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>PhhEXPB-28

MAAASTHLVVVAVVLAAQVGGAWCGPPKVPPGKNISADCDGKWLEAKATWYAKL  
TSAGPDDNDGACGYKEVNKAPFNMSGACGNSPIFKDSLSCGSCYEIKCDKPAECSGE  
PVIVYITDMNYEPIAA YHFDLASTAFGAMAKKGEEELRKAGIIDMQFRRVKCKYPA  
DTKIAFHVEKGCNPNYLALLVKYAARDGDIVGIDIKEKGAKEYQSLKHSWGAIWRM  
DAPKLIKGPISIRITSKTHEQEDVIPEGWKPD TLYPSK LQF\*

### CDS (coding sequence)

>PhhEXPB-28

ATGGCGGCGGCGTTCGACGCATCTTGTGTGGTGGCGGTGGTGCTCGCGGCGCAGG  
TGGGCGGCGCATGGTTCGGTCCACCCAAGGTTCCCCCGGGCAAGAACATCTCGGC  
AGACTGCGACGGCAAGTGGCTGGAGGCCAAGGCGACGTGGTACGCCAAGCTGAC  
AAGCGCGGGGCCGACGACAACGATGGCGCTTTCGGGTACAAGGAGGTGAACAA  
GGCTCCCTTCAACAGCATGGGGGCGTTCGGCAACTCGCCCATCTTCAAGGACAGC  
CTCAGCTGCGGCTCCTGCTACGAGATCAAGTTCGACAAGCCCGCCGAGTGCTCCG  
GCGAGCCCGTTCATCGTCTACATCACCGACATGAACTACGAGCCCATCGCCGCCTA  
CCACTTCGACCTGGCCAGCACGGCCTTTGGAGCCATGGCCAAGAAGGGGGAGGA  
GGAGAAGCTGCGCAAGGCGGGCATCATCGACATGCAGTTCCGCCGCGTCAAGTG  
CAAGTACCCGCGCCGACACCAAGATCGCCTTCCACGTCGAGAAGGGCTGCAACCC  
CAACTACCTGGCGCTGCTCGTCAAGTACGCCGCCGCGACGGCGACATCGTCCGGC  
ATCGACATCAAGGAGAAGGGCGCCAAAGAGTACCAGTCCCTGAAGCACTCTTGG  
GGCGCCATCTGGAGGATGGACGCCCCCAAGCTGATCAAGGGCCCCATCTCCATCC  
GCATCACCAGCAAAACGCACGAACAGGAGGATGTCATCCCCGAAGGCTGGAAGC  
CCGACACCCTTACCCCTCCAAACTCCAGTTCTGA

### Nucleotide

>PhhEXPB-28

ATGGCGGCGGCGTTCGACGCATCTTGTGTGGTGGCGGTGGTGCTCGCGGCGCAGG  
TGGGCGGCGCATGGTTCGGTCCACCCAAGGTTCCCCCGGGCAAGAACATCTCGGC  
AGACTGCGACGGCAAGTGGCTGGAGGCCAAGGCGACGTGGTACGCCAAGCTGAC

AAGCGCGGGGCCCCGACGACAACGATGGCGCTTGCGGGTACAAGGAGGTGAACAA  
GGCTCCCTTCAACAGCATGGGGGCGTGCGGCAACTCGCCCATCTTCAAGGACAGC  
CTCAGCTGCGGCTCCTGCTACGAGATCAAGTGCGACAAGCCCGCCGAGTGCTCCG  
GCGAGCCCGTCATCGTCTACATCACCGACATGAACTACGAGCCCATCGCCGCCTA  
CCACTTCGACCTGGCCAGCACGGCCTTTGGAGCCATGGCCAAGAAGGGGGAGGA  
GGAGAAGCTGCGCAAGGCGGGCATCATCGACATGCAGTTCCGCCGCGTCAAGTG  
CAAGTACCCGGCCGACACCAAGATCGCCTTCCACGTCGAGAAGGGCTGCAACCC  
CAACTACCTGGCGCTGCTCGTCAAGTACGCCGCCCGCGACGGCGACATCGTCGGC  
ATCGACATCAAGGAGAAGGGCGCCAAAGAGTACCAGTCCCTGAAGCACTCTTGG  
GGCGCCATCTGGAGGATGGACGCCCCCAAGCTGATCAAGGGCCCCATCTCCATCC  
GCATCACAGCTAGGGAGGCAAAACGCACGAACAGGAGGATGTCATCCCCGAAG  
GCTGGAAGCCCGACACCCTCTACCCCTCCAAACTCCAGTTCTGA