

## IDENTIFICATION

**Species:** *Panicum hallii* HAL

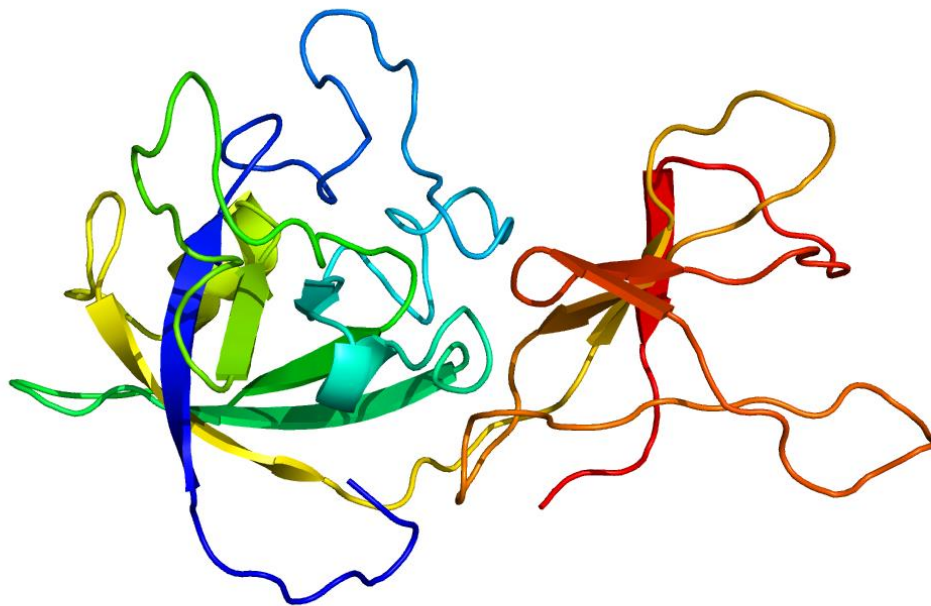
**Locus:** PhHAL.6G014600

**Gene Model:** PhHAL.6G014600.1.p

**Description:** PhhEXPA-17

**Family:** Alpha 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:-

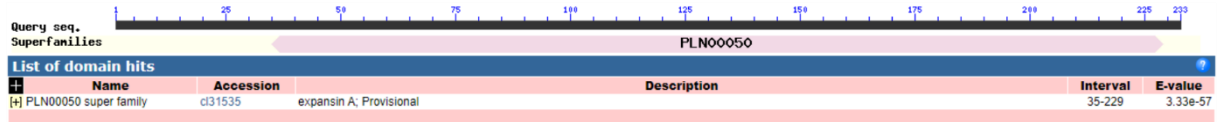
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>PhhEXPA-17

MDTSASSSRFAAAAAALLLLPALS AADDWADAHATFYGDETGGGETMRKKAAMTVH  
GACGYGNLFEQGYGLDTTALSVALFNQGWSCGGCYAVRAASAYCAPVAVTATNLC  
PANHSKPSGNWCNPLRHF DLSNPAFLRLVTD FRAGIVPVQYRRVPCARRGGV RVEM  
KGNRWWVGVLFVNAVAGAGDLRAVA VRGSRDGAWADMARSWGQIWTSGDGRSG  
WAFGQSFEGRGQF\*

### CDS (coding sequence)

>PhhEXPA-17

ATGGATAACAAGT GCGTCATCGTCTCGCTTTGCGGCGGGCGGCGGCGGCGCTGCTGC  
TGCTGCCGGCCTTGTCGGCCGCCGACGACTGGGCGGACGCGCACGCCACGTTCTA  
CGGCGACGAAACCGGTGGCGAGACCATGCGTAAGAAAGCTGCCATGACCGTGCA  
CGGCGCGTGCGGGTACGGCAACCTGTTTCGAGCAGGGGTACGGGCTGGACACGAC  
GGCGCTGAGCGTGGCGCTCTTCAACCAGGGCTGGTCCTGCGGCGGCTGCTACGCG  
GTGCGGGCAGCTAGCGCCTACTGCGCGCCGGTGGCGGTGACGGCGACCAACCTG  
TGCCCGGCCAACC ACTCCAAGCCCAGCGGCAACTGGTGCAACCCGCCGCTGCGGC  
ACTTCGACCTGTCCAACCCCGCGTTCCTCCGCCTCGTCACCGACTTCGCGCCGGC  
ATCGTCCCCGTGCAGTACCGCCGCGTGCCCTGCGCCCGGCGCGGGCGGCGTGC  
TCGAGATGAAGGGGAACCGCTGGTGGGTTCGGCGTGCTCGTCTTCAACGTCGCCGG  
CGCCGGGGACCTCAGGGCCGTCGCCGTCAGGGGGTCCC GGGACGGGGCGTGGGC  
GGACATGGCGCGCAGCTGGGGCCAGATCTGGACCAGCGGCGACGGCCGGTCCGG  
GTGGGCGTTCGGCCAGAGCTTCGAGGGCAGGGGCCAGTTCTGA

### Nucleotide

>PhhEXPA-17

ATGGATAACAAGT GCGTCATCGTCTCGCTTTGCGGCGGGCGGCGGCGGCGCTGCTGC  
TGCTGCCGGCCTTGTCGGCCGCCGACGACTGGGCGGACGCGCACGCCACGTTCTA  
CGGCGACGAAACCGGTGGCGAGACCATGCGTAAGAAAGCTGCCATGACCGTGCG  
TAAGTGCTCATCACGTTGATCGATCTCTAACAACCCTTGGTCCCTCATGCATGCAG  
ACGGCGCGTGCGGGTACGGCAACCTGTTTCGAGCAGGGGTACGGGCTGGACACGA  
CGGCGCTGAGCGTGGCGCTCTTCAACCAGGGCTGGTCCTGCGGCGGCTGCTACGC  
GGTGCGGTACCAGGGCAGCTAGCGCCTACTGCGCGCCGGTGGCGGTGACGGCGA

CCAACCTGTGCCCGGCCAACCACTCCAAGCCCAGCGGCAACTGGTGCAACCCGCC  
GCTGCGGCACTTCGACCTGTCCAACCCCGCGTTCCTCCGCCTCGTCACCGACTTCC  
GCGCCGGCATCGTCCCCGTGCAGTACCGCCGCGTGCCCTGCGCCCGGCGCGGCGG  
CGTGCGCGTCGAGATGAAGGGGAACCGCTGGTGGGTCGGCGTGCTCGTCTTCAAC  
GTCGCCGGCGCCGGGGACCTCAGGGCCGTCGCCGTCAGGGGGTCCCGGGACGGG  
GCGTGGGCGGACATGGCGCGCAGCTGGGGCCAGATCTGGACCAGCGGCGACGGC  
CGGTCCGTGGAGCTGACGGCGTCGTGCCGCAGGGGTGGGCGTTCGGCCAGAGCTT  
CGAGGGCAGGGGCCAGTTCTGA