

## IDENTIFICATION

**Species:** *Panicum hallii* HAL

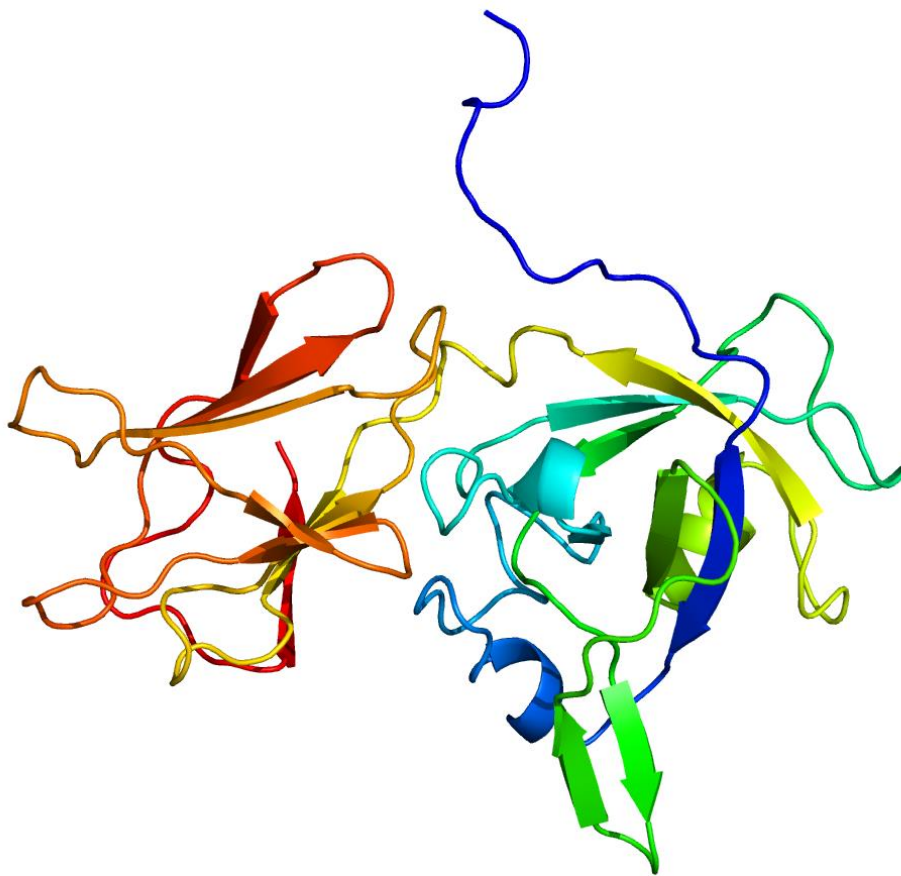
**Locus:** PhHAL.1G373900

**Gene Model:** PhHAL.1G373900.1.p

**Description:** PhhEXPA-06

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

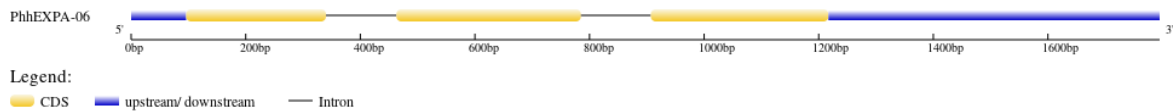
Phytozome: [https://phytozome-next.jgi.doe.gov/info/PhalliiHAL\\_v2\\_1](https://phytozome-next.jgi.doe.gov/info/PhalliiHAL_v2_1)

KEGG:-

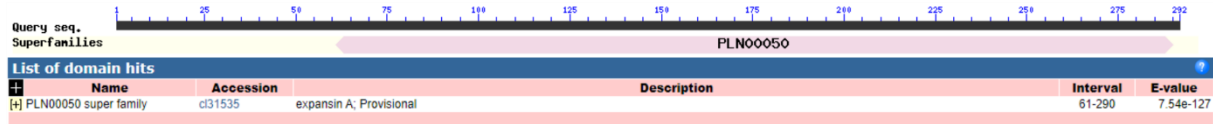
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>PhhEXPA-06

MAPRQATVLTALLASLLPLALSRGLGLGRGHVRPHAHGVGLGRRHAQPHPQPHGH  
APLGGGGWSSAHATFYGGGDASGTMGGACGYGNLYSQGYGTNTAALSTALFNNGL  
SCGACFEVRCEAAGGGSHSCLPGSVVVTATNFCPPNNALPSDDGGWCNPPRAHFDM  
SQPVFQRIALYRAGIVPVSYRRVACNKKGGIRFTINGHSYFNLVLTNVGGAGDVHA  
VAVKGDSPGWQAMSRNWGQNWQSNLLDGQALSFRVTTGDGRSVVSTNAAPRG  
WSFGQTFSGAQFN\*

### CDS (coding sequence)

>PhhEXPA-06

ATGGCGCCTCGGCAAGCAACCGTCCTCACGGCCCTCCTCCTCGCCTCGCTGCTCCC  
GCTGGCGCTCTCACGCGGGCTGGGGCTCGGGCGCGGGCATGTGCGGCCGCACGC  
GCACGGGGTGGGGCTCGGTCGCCGTCACGCCAGCCGCACCCGCAGCCGCACGG  
GCACGCCCGCTCGGGGGCGGCGGGTGGTCCTCGGCCACGCCACCTTCTACGGC  
GGCGGCGACGCGTCCGGCACCATGGGAGGCGCTTGCGGCTACGGCAACCTGTAC  
AGCCAGGGGTACGGCACCAACACGGCGGCGCTGAGCACGGCGCTTTCAACAAC  
GGCCTCAGCTGCGGGCGCTGCTTCGAGGTCCGGTGC GAAGCCGCCGGGGGCGGG  
AGCCACTCCTGCCTGCCTGGCTCCGTCGTCGTCACGGCCACCAACTTCTGCCCGCC  
CAACAACGCGCTCCCGTCCGACGACGGCGGCTGGTGCAACCCGCCGCGCGCCCA  
CTTCGACATGTTCGAGCCCGTATTCCAGCGCATCGCGCTCTACAGGGCCGGCATT  
GTCCCCGTCTCCTACCGCAGGGTTCGATGCAACAAGAAGGGCGGCATCCGGTTCA  
CCATCAACGGCCACTCCTACTTCAACCTGGTGCTGGTCACCAACGTGGGCGGGCGC  
CGGCGACGTGCACGCGGTGGCCGTGAAGGGTGACCGCTCCCCGGGGTGGCAGGC  
CATGTCCCGCAACTGGGGCCAGAACTGGCAGAGCAACACGCTCCTCGACGGCCA  
GGCCCTCTCCTTCCGCGTCAACCACGGCGACGGCCGCTCCGTGGTCTCCACCAAC  
GCTGCCCCCGCGGCTGGTCCTTCGGCCAGACCTTCAGCGGGGCCAGTTCAACT  
GA

### Nucleotide

>PhhEXPA-06

CCCACACTCGCCACGCCGCAGCCCCGCCACCGTTCCCCCTCTCGCCCTCCACCCC  
CACCCCCACCCCCACCGTCGCCCCACCCCTCTCCGCGCAATGGCGCCTCGGCAA

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GGGCGGCGGGTGGTCCTCGGCCACGCCACCTTCTACGGCGGGCGGGCAGCGTCC  
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AACGCGCTCCCGTCCGACGACGGCGGCTGGTGCAACCCGCCGCGCGCCCACTTCG  
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AGTCAATTTTGAAAGATTGATTCTAAGAAATTA