

## IDENTIFICATION

**Species:** *Panicum hallii* HAL

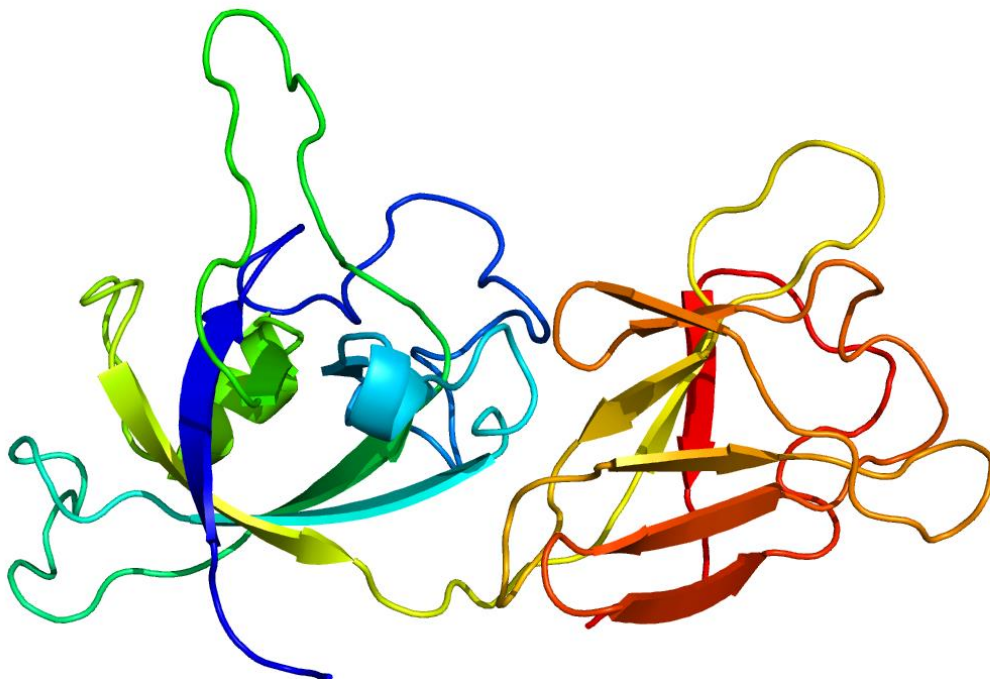
**Locus:** PhHAL.9G234800

**Gene Model:** PhHAL.9G234800.1.p

**Description:** PhhEXPA-26

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

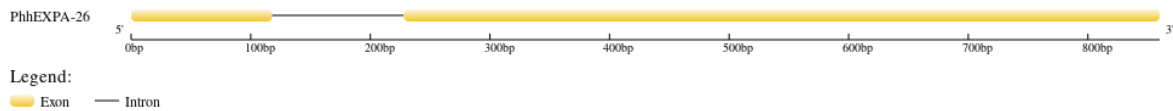
Phytozome: [https://phytozome-next.jgi.doe.gov/info/PhalliiHAL\\_v2\\_1](https://phytozome-next.jgi.doe.gov/info/PhalliiHAL_v2_1)

KEGG:-

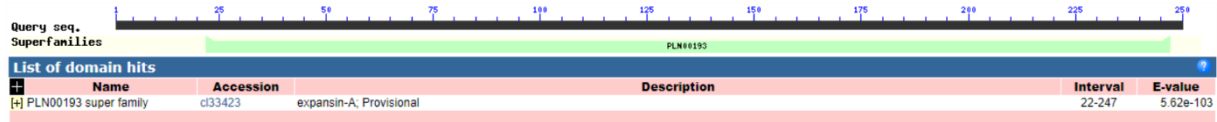
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>PhhEXPA-26

MAKFLMLCTMVAARLALAAADWSPGTATFYGGVDGSGTMGGACGYDNLNAGY  
GVNNAALSQTLFNDGASCGQCYLITCDGSRPGGQYCKPSNSITVSATNLCPPNYALPN  
GGWCGPGRPHFDMSQPAWEHIGVYQAGIVPVLYQRVQCSRSGGVRFSMAGSNYFLL  
VNIQNLGSGSVAAAWVKGDNTGWIQMSRNWGANWQALAGLVGQGLSFAVTSTG  
GQYIQFLNAVPAWWQFGMAFSTNQNFVY\*

### CDS (coding sequence)

>PhhEXPA-26

ATGGCTAAATTCCTGATGCTGTGCACGATGGTTGCGGCGCGCCTCGCCCTTGCCG  
CCGCCGACTGGTCTCCCGGCACCGCCACATTCTACGGCGGCGTTCGACGGCTCCGG  
CACCATGGGAGGCGCGTGCGGGTACGACAACCTGTACAACGCCGGGTACGGCGT  
CAACAACGCGGCGCTGAGCCAGACGCTCTTCAACGACGGCGCGTTCGTGCGGGCA  
GTGCTACCTCATCACCTGCGACGGGTCACGCCCAGGCGGCGGCGGCGGCGGCGGCGG  
AGCAACAGCATCACGGTCTCGGCTACCAACCTGTGCCCGCCAACTACGCGCTCC  
CCAACGGCGGCTGGTGTGGCCCCGGCCGCCCCACTTCGACATGTCGCAGCCGGC  
GTGGGAGCACATCGGCGTCTACCAGGCCGGCATCGTCCCCGTCTCTACCAGCGG  
GTCCAGTGCTCGCGCAGCGGCGGCGTGCCTTCAGCATGGCTGGCTCCAACACTACT  
TCCTGCTCGTCAACATCCAGAACCTCGGCGGCAGCGGCTCCGTGGCGGCGGCGATG  
GGTCAAGGGCGACAACACGGGGTGGATCCAGATGTCAAGGAACTGGGGCGCCAA  
CTGGCAGGCGCTTGCCGGGCTCGTCCGGCCAGGGGCTCAGCTTCGCCGTGACCAGC  
ACCGGCGGGCAGTACATTCAAGTTCCTCAACGCCGTGCCGCGTGGTGGCAGTTCG  
GCATGGCCTTCTCCACCAATCAGAACTTCGTCTACTAG

### Nucleotide

>PhhEXPA-26

ATGGCTAAATTCCTGATGCTGTGCACGATGGTTGCGGCGCGCCTCGCCCTTGCCG  
CCGCCGACTGGTCTCCCGGCACCGCCACATTCTACGGCGGCGTTCGACGGCTCCGG  
CACCATGGGTAAGCATGCACATAGTCCGGTACAACAAGAGCTAGCTCAAGAGAA  
CTGCATCGAATTACGTTGCAGCTGACATTGCATGCATACGTGTCATGTCTCCGGC  
GATGCACAGGAGGCGCGTGCGGGTACGACAACCTGTACAACGCCGGGTACGGCG  
TCAACAACGCGGCGCTGAGCCAGACGCTCTTCAACGACGGCGCGTTCGTGCGGGC

AGTGCTACCTCATCACCTGCGACGGGTACGCCCCGGGCGGCCAGTACTGCAAGCC  
CAGCAACAGCATCACGGTCTCGGCTACCAACCTGTGCCCGCCCAACTACGCGCTC  
CCCAACGGCGGCTGGTGTGGCCCCGGCCGCCCCACTTCGACATGTCGCAGCCGG  
CGTGGGAGCACATCGGGCGTCTACCAGGCCGGCATCGTCCCCGTCCTCTACCAGCG  
GGTCCAGTGCTCGCGCAGCGGCGGCGTGCGCTTCAGCATGGCTGGCTCCAACTAC  
TTCCTGCTCGTCAACATCCAGAACCTCGGGCGGCAGCGGCTCCGTGGCGGCGGCAT  
GGGTCAAGGGCGACAACACGGGGTGGATCCAGATGTCAAGGAACTGGGGCGCCA  
ACTGGCAGGCGCTTGCCGGGCTCGTCGGCCAGGGGCTCAGCTTCGCCGTGACCAG  
CACCGGCGGGCAGTACATTCAGTTCCTCAACGCCGTGCCGGCGTGGTGGCAGTTC  
GGCATGGCCTTCTCCACCAATCAGAACTTCGTCTACTAG