

## IDENTIFICATION

**Species:** *Panicum hallii* HAL

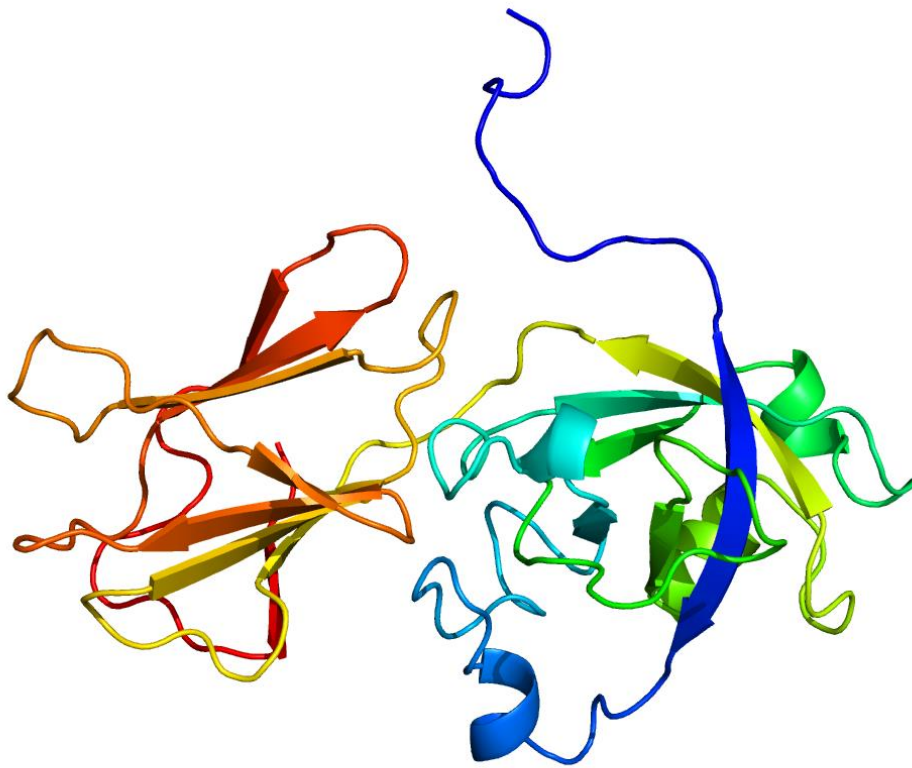
**Locus:** PhHAL.2G365000

**Gene Model:** PhHAL.2G365000.1.p

**Description:** PhhEXPA-07

**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:-

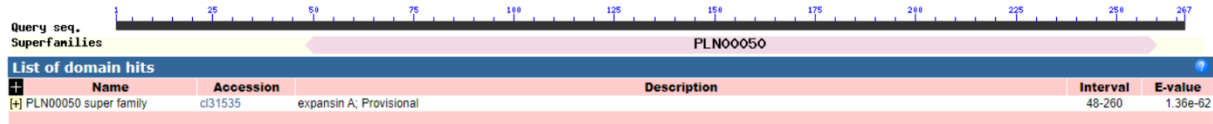
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>PhhEXPA-07

MSAGSPWTMAPAPLLASLLLAGLALLLAPGVAEGKPHVNHGKFKDGPWTVGHATF  
YGGRDGSGTTNGGACGFKDELAKDYGALTAAVSPALYSEGAGCGACYEVKGPPEG  
GGGGPNKSVVVTATNQAPPPVSGQKGEHFDLTPAFLQIAEEKAGIVPISYRRVAC  
VRQGGIRYTTGNKNYNMVMVTNVGGEGDVVALSVKGNKRVKWTPMKRSWGQL  
WTTEVDLTGESLTYRVMTGDHRKATSWHVMPRDWQFGKTYQATKNF\*

### CDS (coding sequence)

>PhhEXPA-07

ATGTCTGCAGGTTTCGCCGTGGACAATGGCGCCGGCGCCTCTCCTCGCGTGCCTGC  
TGCTCGCCGGGCTCGCGCTGCTGCTGGCCCCGGCGTCGCGGAGGGCAAGCCCCA  
CGTGAACCACGGCAAGTTCAAGGATGGCCCGTGGACGGTCGGGCACGCGACGTT  
CTACGGCGGGCGCGACGGGTCCGGCACCAACGAACGGCGGGCGCGTGCGGGTTCAA  
GGACGAGCTGGCCAAGGACTACGGCGCACTGACGGCAGCAGTGAGCCCGGCGCT  
GTACAGCGAGGGCGCCGGGTGCGGCGCGTGCTACGAGGTGAAGGGCCCGGAGGA  
GGGCGGCGGCGGCGGCGGCCCAACAAGTCCGTGGTGGTGACGGCCACCAACCA  
GGCCCCGCCCGGTCAGCGGGCAGAAGGGCGAGCACTTCGACCTCACCATGCC  
GGCGTTCCTCCAGATCGCCGAGGAGAAGGCCGGCATCGTGCCATCTCCTACCGC  
AGGGTGGCGTGCGTGAGGCAAGGGCGGGATCCGGTACACGATCACGGGGAACAAG  
AACTACAACATGGTGATGGTGACGAACGTGGGCGGCGAGGGGGACGTGGTGGCG  
CTGTCCGTGAAGGGCAACAAGCGCGTCAAGTGGACGCCGATGAAGCGCAGCTGG  
GGCAGCTGTGGACGACGGAGGTCGACCTCACC GGCGAGTCGCTGACGTACCGG  
GTCATGACCGGCGACCACCGCAAGGCCACCTCCTGGCACGTCATGCCGCGCGACT  
GGCAGTTCGGAAAGACCTACCAGGCGACCAAGA AACTTCTAG

### Nucleotide

>PhhEXPA-07

CCATTCATGTCTGCAGGTTTCGCCGTGGACAATGGCGCCGGCGCCTCTCCTCGCGT  
CGCTGCTGCTCGCCGGGCTCGCGCTGCTGCTGGCCCCGGCGTCGCGGAGGGCAA  
GCCCCACGTGAACCACGGCAAGTTCAAGGATGGCCCGTGGACGGTCGGGCACGC  
GACGTTCTACGGCGGGCGCGACGGGTCCGGCACCAACGAACGGCGGGCGCGTGC  
GTTCAAGGACGAGCTGGCCAAGGACTACGGCGCACTGACGGCAGCAGTGAGCCC

GGCGCTGTACAGCGAGGGCGCCGGGTGCGGGCGCGTGCTACGAGGTGAAGGGCCC  
GGAGGAGGGCGGGCGGGCGGGCGGGCCCAACAAGTCCGTGGTGGTGACGGCCAC  
CAACCAGGCCCCGCCGCCGGTCAGCGGGCAGAAGGGCGAGCACTTCGACCTCAC  
CATGCCGGCGTTCCTCCAGATCGCCGAGGAGAAGGCCGGCATCGTGCCCATCTCC  
TACCGCAGGTACCGAAAAAATTGGAACGATCGCATCGCATTGTATTTGCATCCGC  
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GATCCGGTACACGATCACGGGGAACAAGA ACTACAACATGGTGTGGTGACGAA  
CGTGGGCGGGCAGGGGGACGTGGTGGCGCTGTCGGTGAAGGGCAACAAGCGCGT  
CAAGTGGACGCCGATGAAGCGCAGCTGGGGGCAGCTGTGGACGACGGAGGTCGA  
CCTCACGGGCGAGTCGCTGACGTACCGGGTCATGACCGGCGACCACCGCAAGGC  
CACCTCCTGGCACGTCATGCCGCGCGACTGGCAGTTCGGAAAGACCTACCAGGCG  
ACCAAGA ACTTCTAGGCCGGGGCGCCGCTAGGCATATGCACCGTTGCATTGTATT  
GTACCTCCTCTCATGCGTAACGATCGACATGCATGAATGGTCTGAAGCTCCGTTG  
CCGGAGTTAAACGGTTGTGAAGGAAAACTAAACAGAATTGCTAAAATCCACTTT  
AAATTTGTGTTCTTGTGCTGTGCTCACATGCATGCATCTTCTCCAATACTCC