

## IDENTIFICATION

**Species:** *Panicum hallii*

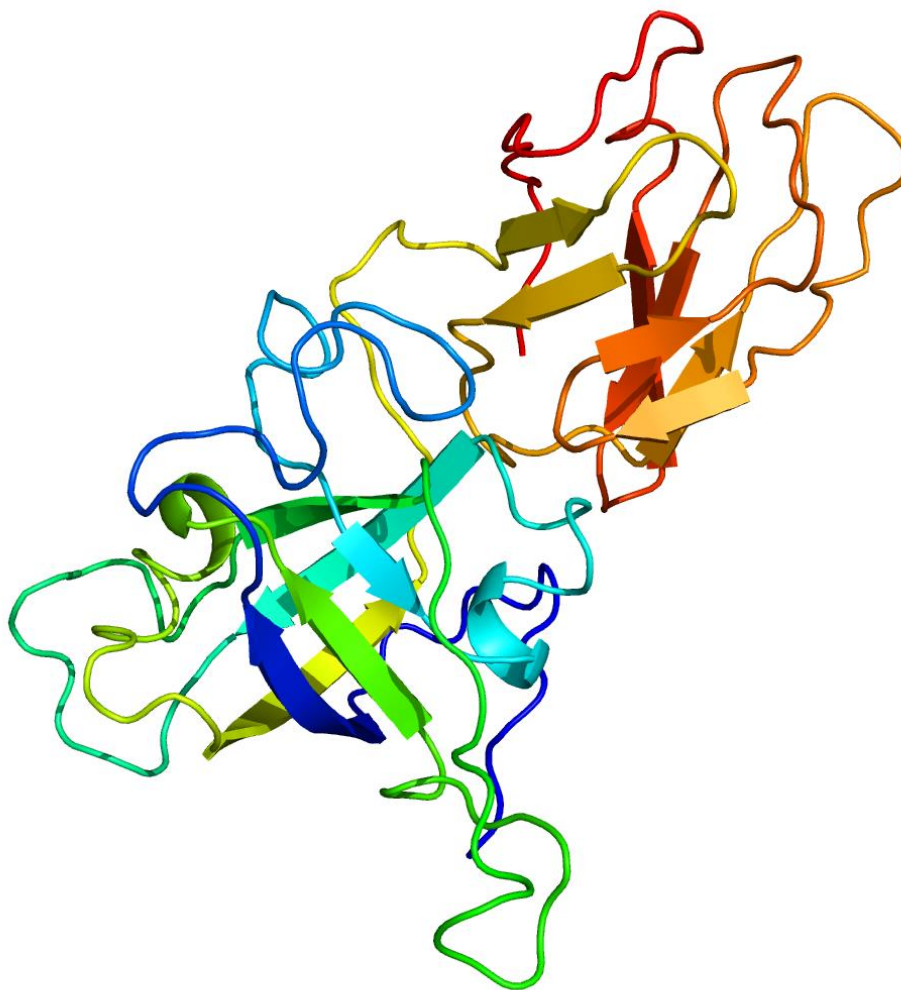
**Locus:** Pahal.1G113200

**Gene Model:** Pahal.1G113200.1.p

**Description:** PhEXPA-03

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

Phytozome: [https://phytozome-next.jgi.doe.gov/info/Phallii\\_v3\\_1](https://phytozome-next.jgi.doe.gov/info/Phallii_v3_1)

KEGG: <https://www.genome.jp/entry/T07366>

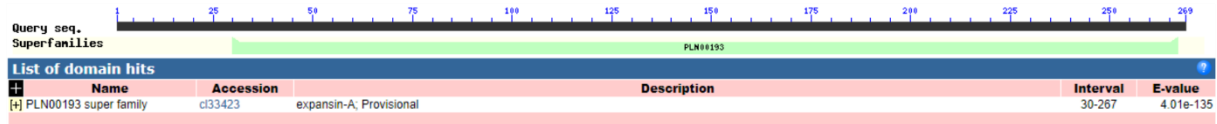
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>PhEXPA-03

MAPALAPVLA AVLLALGWAVAVAADGVTTNASAPPTTGWLKAHATFYGGADAS  
DTMGGACGYGDLYLQYGTRTAALSTALFNDGASCGQCYEIA CDHETDPTWCKPG  
ATVTV AATNFCPPNYALPSDNGGWCNPPRPHFDMAQPAWERIGVYRAGIIPVMYKR  
VPCVRRGGVRFMINGHDYFNLVLVTNVAAAGSIKSMEVKAADSTDWTPMARNWGA  
NWHSMAYLTGKMLSFRVTNTDGQALEFANVVPRGWKFGQTFASKLQFS\*

### CDS (coding sequence)

>PhEXPA-03

ATGGCTCCAGCTCTAGCTCCAGTTCTCGCGGCAGTGTTGCTCGCACTCGGCTGGG  
CGGTGGCCGTGGCCGCAGACGGCGTCACGACCAACGCGTCGGCTCCGGCGCCGA  
CGACCGGGTGGCTCAAGGCGCACGCCACATTCTACGGCGGTGCCGACGCCTCCGA  
CACCATGGGTGGCGCGTGCGGGTACGGGGACCTGTACTTGCAGGGGATACGGCAC  
GCGCACGGCGGCGCTGAGCACGGCGCTCTTCAACGACGGCGCGTCGTGCGGCCA  
GTGCTACGAGATCGCGTGCGACCACGAGACCGACCCGACGTGGTGCAAGCCCGG  
CGCCACGGTCACCGTCGCGGCCACCAACTTCTGCCCGCCAACTACGCGCTGCC  
AGCGACAACGGCGGCTGGTGCAACCCGCCGCGCCCCACTTCGACATGGCGCAG  
CCGGCGTGGGAGAGGATCGGCGTCTACCGTGCAGGCATCATCCCAGTCATGTACA  
AAAGAGTTCATGCGTGCGACGGGGCGGCGTAAGGTTTCATGATCAACGGGCACG  
ACTACTTCAACCTTGTGCTCGTGACCAATGTCGCGGCCGCAGGCTCGATCAAATC  
CATGGAAGTCAAGGCCGCCGATTCGACTGATTGGACGCCGATGGCGCGCAACTG  
GGGCGCGAACTGGCACTCCATGGCCTATCTCACCGGCAAAATGCTCTCGTTCAGG  
GTGACCAACACCGATGGACAAGCTCTTGAATTCGCAAACGTGGTGCCACGAGGA  
TGGAAGTTTGCCAGACTTTCGCAAGCAAATTGCAGTTCAGCTGA

### Nucleotide

>PhEXPA-03

ATGGCTCCAGCTCTAGCTCCAGTTCTCGCGGCAGTGTTGCTCGCACTCGGCTGGG  
CGGTGGCCGTGGCCGCAGACGGCGTCACGACCAACGCGTCGGCTCCGGCGCCGA  
CGACCGGGTGGCTCAAGGCGCACGCCACATTCTACGGCGGTGCCGACGCCTCCGA  
CACCATGGGTAAACACACATACTCGCTTCATCACTATCACGCACGCCAAGAAATGC  
CAGTGCACACGCACGGCAGCTCACCGCGACGATGTGTATACGCTCTGTTTGCGCG

GCATGCAGGTGGCGCGTGCGGGTACGGGGACCTGTACTTGCAGGGATACGGCAC  
GCGCACGGCGGGCGCTGAGCACGGCGCTCTTCAACGACGGCGCGTTCGTGCGGCCA  
GTGCTACGAGATCGCGTGCGACCACGAGACCGACCCGACGTGGTGCAAGCCCGG  
CGCCACGGTCACCGTCGCGGCCACCAACTTCTGCCCCGCCAACTACGCGCTGCCC  
AGCGACAACGGCGGGCTGGTGCAACCCGCCGCGCCCCCACTTCGACATGGCGCAG  
CCGGCGTGGGAGAGGATCGGGCGTCTACCGTGCAGGCATCATCCCAGTCATGTACA  
AAAGGTGTGTGCATAGTGACTTGTCTTTTTTTTTGAGAGAGAATATGTACTCAATAC  
TGAATTGTCTTTGCTACTCTCTTATGCAATAACTGTGAAAAAGGGAGAGAGATCT  
CACTTGCATTGCAGTAGACGGACGGTAGTAGTCTTAAACAGAAAAATTCTCACTT  
GCAGAGTTCCATGCGTGCGACGGGGCGGCGTAAGGTTTCATGATCAACGGGCACG  
ACTACTTCAACCTTGTGCTCGTGACCAATGTCGCGGCCGCAGGCTCGATCAAATC  
CATGGAAGTCAAGGCCGCCGATTCGACTGATTGGACGCCGATGGCGCGCAACTG  
GGGCGCGAACTGGCACTCCATGGCCTATCTCACCGGCAAAATGCTCTCGTTCAGG  
GTGACCAACACCGATGGACAAGCTCTTGAATTCGCAAACGTGGTGCCACGAGGA  
TGGAAGTTTGGCCAGACTTTCGCAAGCAAATTGCAGTTCAGCTGA