

## IDENTIFICATION

**Species:** *Panicum hallii*

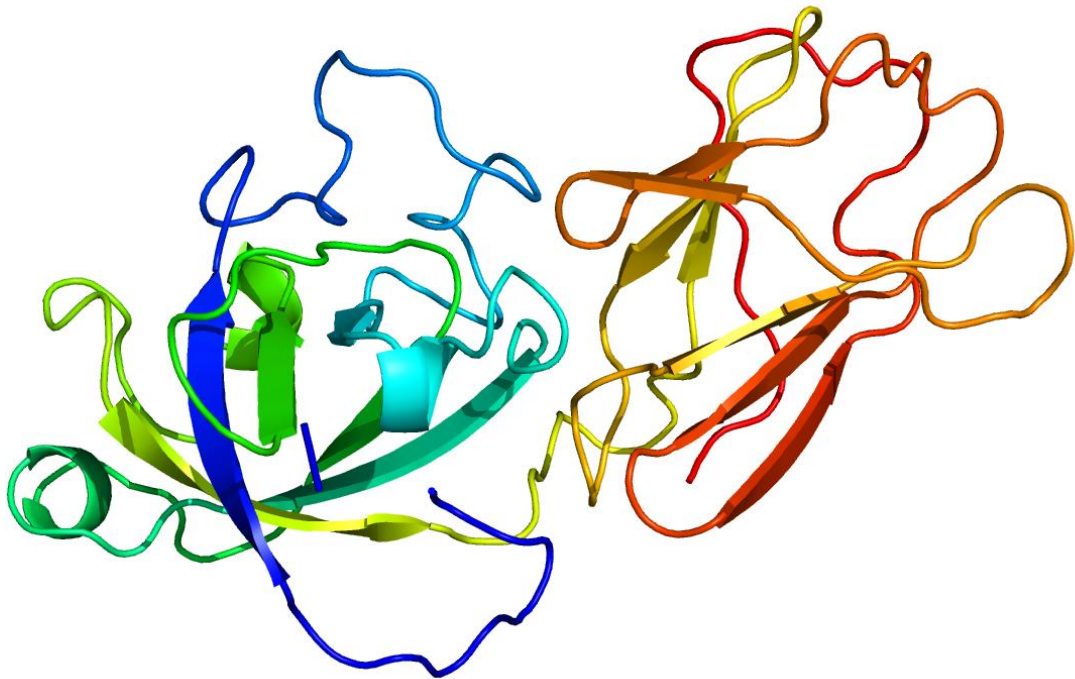
**Locus:** Pahal.9G029900

**Gene Model:** Pahal.9G029900.1.p

**Description:** PhEXPA-21

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

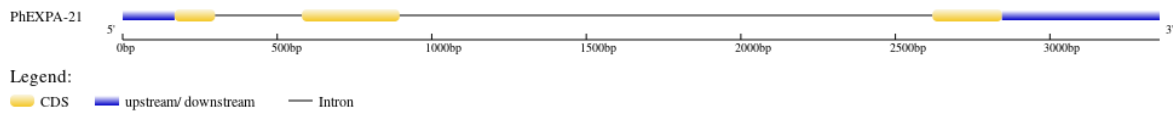
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Phallii\\_v3\\_1](https://phytozome-next.jgi.doe.gov/info/Phallii_v3_1)

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

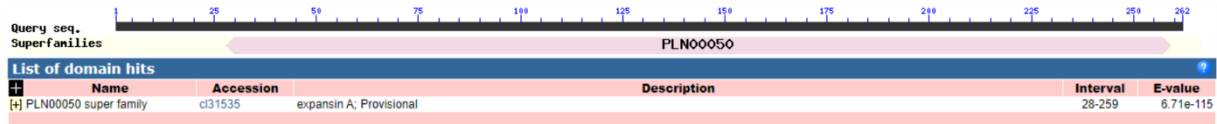
## EXTERNAL RESOURCES

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## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>PhEXPA-21

MAAMPAALVLLLVAALAAPAAARIPGVYGGGDWQSAHATFYGGSDASGTMGGAC  
GYGNLYSQGYGVNNAALSTALFNEGLSCGACFEIKCENQPGWRWCRAGPSILVTAT  
NFCPPNYALPSDNGGWCNPPRPHFDLAMPMLHIAEYRAGIVPVS YRRVPCRKSGGV  
RFTINGFRYFNLVLITNVAGAGDIVRASVKSSSTGWLPM SRNWGQNWQSNAILVGDA  
LSFRVTGSDRRTSTSWNVAPRNWQFGQTFEGKNFRV\*

### CDS (coding sequence)

>PhEXPA-21

ATGGCGGCAATGCCGGCGGCGCTGGTGCTGCTCCTGGTGGCCGCGCTGGCCGCCC  
CCGCCGCCGCCCGCATTCCCGGCGTGTACGGCGGCGGCGACTGGCAGAGCGCGC  
ACGCCACGTTCTACGGCGGCAGCGACGCCTCGGGCACCATGGGCGGCGCGTGCG  
GGTACGGCAACCTGTACAGCCAGGGGTACGGCGTGAACAACGCGGCGCTGAGCA  
CGGCGCTGTTCAACGAGGGCCTGAGCTGCGGCGCCTGCTTCGAGATCAAGTGCGA  
GAACCAGCCC GGGTGGCGGTGGTGCCGCGCCGGGAGCCCCCTCCATCCTGGTGAC  
GGCCACCAACTTCTGCCC GCCAACTACGCGCTCCCCTCCGACAACGGCGGCTGG  
TGCAACCCGCCGCGCCCCCACTTCGACCTCGCCATGCCCATGTTCTCCACATCGC  
CGAGTACCGCGCCGGC ATCGTCCCCGTCTCCTACCGCCGGGTGCCGTGCCGGAAG  
TCCGGCGGCGTGCGGTTCAACATCAACGGCTTCCGCTACTTCAACCTGGTGCTCAT  
CACCAACGTGGCCGGCGCCGGCGACATCGTGCGCGGAGCGTGAAGAGCTCCAG  
CACCGGGTGGCTGCCATGTCCCGGAACTGGGGCCAGAACTGGCAGTCCAACGC  
CATCCTCGTCGGCGACGCGCTCTCCTTCCGCGTACCGGCAGCGACCGCCGCACC  
TCCACCTCCTGGAACGTCGCCCCGCGCAACTGGCAGTTCGGCCAGACCTTCGAGG  
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### Nucleotide

>PhEXPA-21

AAGCAGGAAGGCCCCAGAACCCGCAAACGCACAAAGCGGAAAGCATCACACTTG  
CACAGTTCCTCCACAGTCCACACACTCCCTCCCACAGTCCCACCACTCACCTGCTT  
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