

IDENTIFICATION

Species: *Panicum hallii*

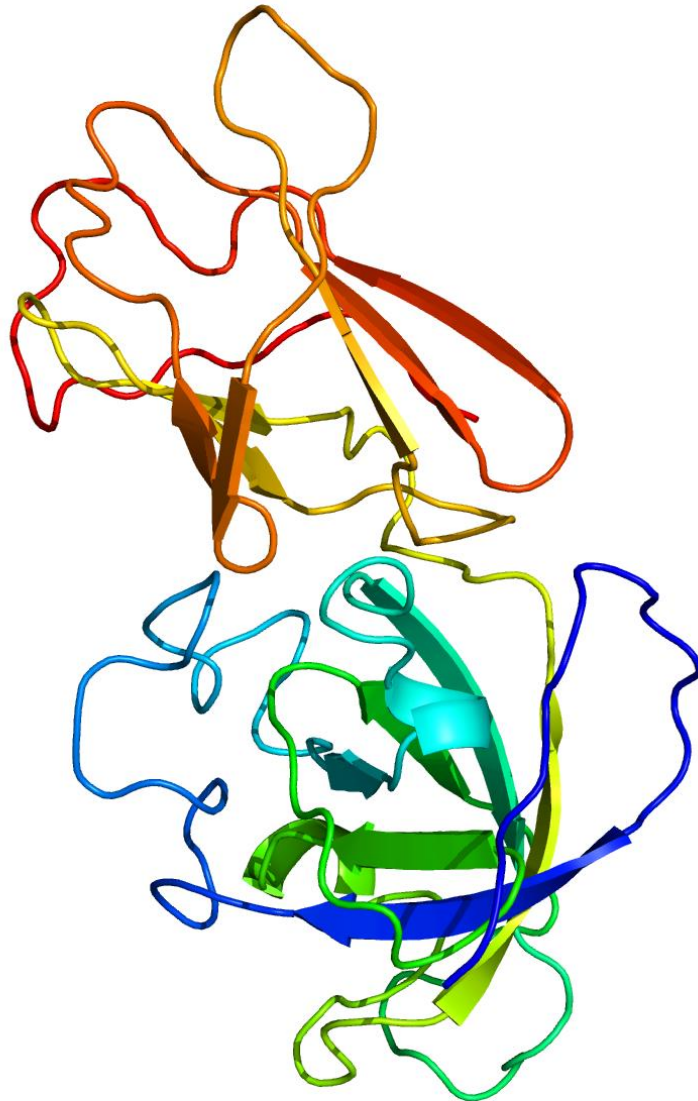
Locus: Pahal.1G112900

Gene Model: Pahal.1G112900.1.p

Description: PhEXPA-02

Family: Alpha Expansin

3D structure:



GENOME DATABASES

Phytozome: https://phytozome-next.jgi.doe.gov/info/Phallii_v3_1

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

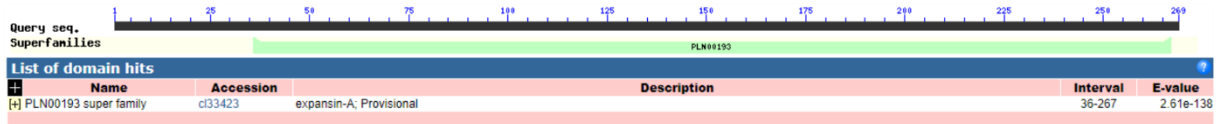
EXTERNAL RESOURCES

-

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhEXPA-02

MAPARVLAVVLLAVAWLLAAAAADDAATSASSSPAPVGWLKAHATFYGGADASGT
MGGACGYGNLYSQGYGTRTAALSTALFNDGASCGQCYKIACDRKRADPAFCKPGV
TVTATNFPCPPNYALPGDNGGWCNPPRAHFDMAQPAWEKIGVYSGGIIPVMYRRV
PCVRRGGVRFTINGHDYFNLVLIANVAAAGSIKSMDVKSSGSDNWMPMARNWGAQ
WHSLAYLTGQSLSFRVTDTDGQTLFNTNVPKGWKFGQTFASKIQFK*

CDS (coding sequence)

>PhEXPA-02

ATGGCTCCGGCTCGAGTTCTTGCAGTCGTGTTGCTCGCGGTCGCCTGGCTCTTGGC
CGCGGCCGCTGCTGATGACGCTGCCACCAGCGCTTCATCGTCTCCGGCGCCGGTC
GGGTGGCTGAAGGCGCACGCCACGTTCTACGGCGGCGCCGACGCCTCCGGCACC
ATGGGCGGCGCGTGCGGGTACGGCAACCTGTACTCGCAGGGCTACGGCACGCGG
ACGGCGGCGCTGAGCACTGCCCTCTTCAACGACGGCGCGTTCGTGCGGCCAGTGCT
ACAAGATCGCCTGCGACCGCAAGAGGGCGGACCCGGCGTTCTGCAAGCCCGGCG
TTACGGTCACCGTCACGGCCACCAACTTCTGCCACCCAACTACGCGCTGCCCGG
CGACAACGGCGGCTGGTGCAACCCGCCGCGGGCGCACTTCGACATGGCCCAGCC
GGCCTGGGAGAAGATCGGCGTCTACAGCGGCGGTATCATCCCCGTCATGTACAGA
AGGGTTCCTTGCGTGAGGCGAGGTGGGGTTCGCGTTCACGATCAACGGGCACGAC
TACTTCAACCTTGTGCTCATAGCCAATGTTCGACAGCTGGCTCCATCAAATCCAT
GGATGTCAAGAGCTCCGGTTCGGATAACTGGATGCCAATGGCGCGCAACTGGGG
TGCCCAATGGCACTCCCTTGCATACCTTACGGGGCAAAGTCTCTCGTTTAGGGTC
ACCGACACCGATGGACAGACTCTTGAATTCACGAACGTGGTGCCAAAAGGATGG
AAGTTTGGCCAAACATTCGCAAGCAAGATACAGTTCAAGTGA

Nucleotide

>PhEXPA-02

ATGGCTCCGGCTCGAGTTCTTGCAGTCGTGTTGCTCGCGGTCGCCTGGCTCTTGGC
CGCGGCCGCTGCTGATGACGCTGCCACCAGCGCTTCATCGTCTCCGGCGCCGGTC
GGGTGGCTGAAGGCGCACGCCACGTTCTACGGCGGCGCCGACGCCTCCGGCACC
ATGGGTAAGCTCCTCTGATCTACCCGCTCAAAAACCATGGGATAGCAGTGTATAT
GGCAGAATTAACCGGATTGTCATAACGGTTTTCTGATGCTCATGTGTTACGGCA

GGCGGCGCGTGCGGGTACGGCAACCTGTACTCGCAGGGCTACGGCACGCGGACG
GCGGCGCTGAGCACTGCCCTCTTCAACGACGGCGCGTTCGTGCGGCCAGTGCTACA
AGATCGCCTGCGACCGCAAGAGGGCGGACCCGGCGTTCTGCAAGCCCGGCGTTA
CGGTCACCGTCACGGCCACCAACTTCTGCCACCCAACACTACGCGCTGCCCGGCGA
CAACGGCGGGCTGGTGCAACCCGCCGCGGGCGCACTTCGACATGGCCCAGCCGGC
CTGGGAGAAGATCGGCGTCTACAGCGGCGGTATCATCCCCGTCATGTACAGAAG
GTGGGCTAGTCTCTTGATCTTCACTTGATCAACAATTTTCCCCAAGATCATCATC
TGAATTGAAGGTTGAATTGTTGGTTGCAGGGTTCCTTGCGTGAGGGCGAGGTGGGG
TGCGGTTACAGATCAACGGGCACGACTACTTCAACCTTGTGCTCATAGCCAATGT
CGCAGCAGCTGGCTCCATCAAATCCATGGATGTCAAGAGCTCCGGTTCGGATAAC
TGGATGCCAATGGCGCGCAACTGGGGTGCCCAATGGCACTCCCTTGCATACCTTA
CGGGGCAAAGTCTCTCGTTTAGGGTCACCGACACCGATGGACAGACTCTTGAATT
CACGAACGTGGTGCCAAAAGGATGGAAGTTTGGCCAAACATTCGCAAGCAAGAT
ACAGTTCAAGTGAGAGGGTCCATGTGGGATTTCTTGCAGGTTGATTTGTGGGATGG
TCAAAGCAATGATTGAGTTGCTTGCGTTGTATATTATATTTGTTGCTTGTGTGTGT
ACCGATTCTTAGCTGATATGGCTTGAAACTCTTATTCTTTTATTGTACATAAAGAT
GTTTAAATTATCTATATATGCGTATATTG