

IDENTIFICATION

Species: *Panicum hallii*

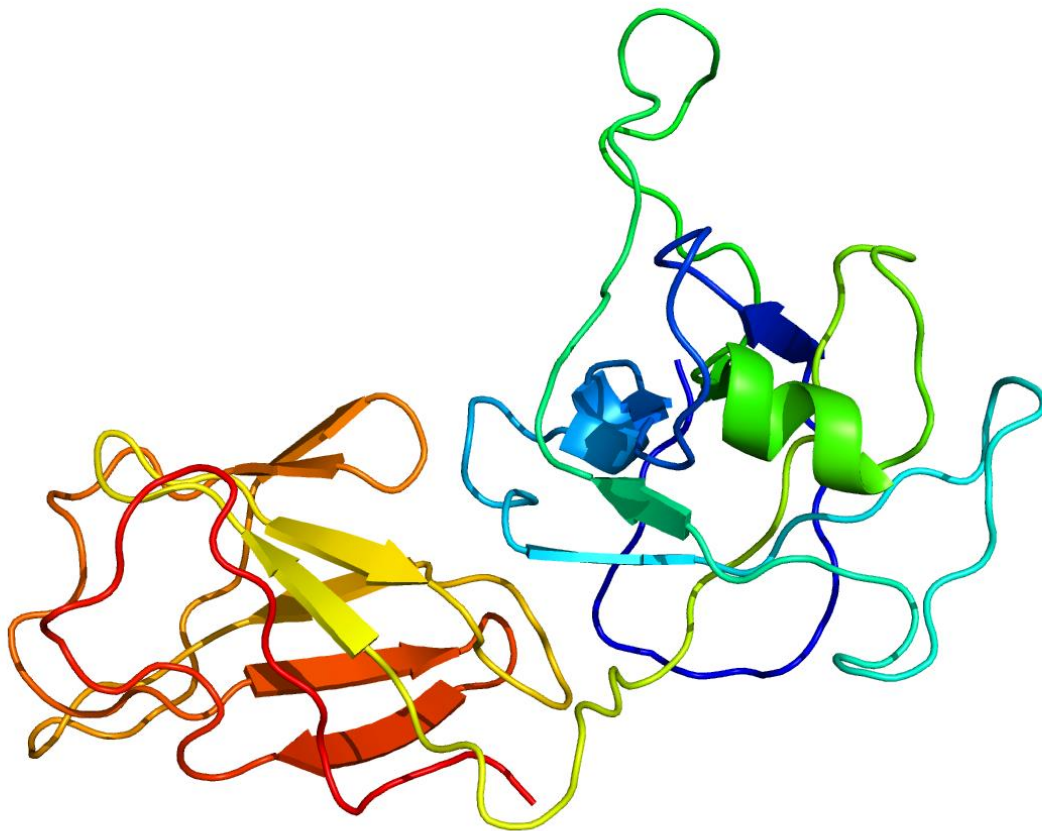
Locus: Pahal.1G113300

Gene Model: Pahal.1G113300.1.p

Description: PhEXPA-04

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>

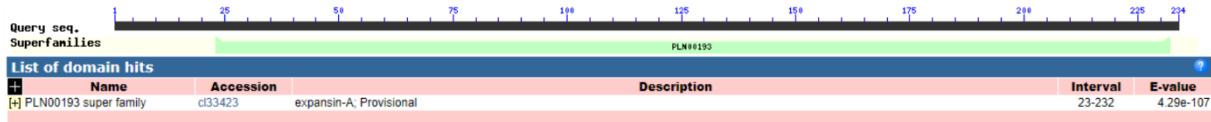
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhEXPA-04

MAPAPVSPLLLVASASSPAPPTGWLRAHATFYGCGYGSRTAALSMVLFNDGASCG
QCYKLACDRNTDPTWCKPSVTVTATDFCPPNYGLPSDDGGWCNPPRPRFDMAQP
AWEKIGIYRAGIIPVVYRIPCVRGGVRFMINGHDYFNIVLVS NVAAAGSIKSMEVKT
AVSTDWMPMARNWGANWHYMAFLTGKTL SFRVTNSDGQGLQFANVVPKGWKFG
QTFASKFLFN*

CDS (coding sequence)

>PhEXPA-04

ATGGCTCCAGCTCCTGTTTCTCCTCTCTTGTGGTTCGCGAGCGCGTCGTCGCCAGC
TCCGGCACCGACCGGATGGCTGAGGGCGCACGCGACGTTCTACGGGTGCGGCTA
CGGCTCGCGCACGGCGGCGCTGAGCATGGTGCTCTTCAACGACGGCGCCTCCTGC
GGGCAGTGCTACAAGCTCGCCTGCGACCGCAATACGGACCCGACGTGGTGCAAG
CCCAGCGTCACGGTCACCGTCACCGCCACCGACTTCTGCCCGCCAACTATGGGC
TGCCCAGCGACGACGGCGGCTGGTGCAACCCGCCGCGGCCGCGCTTCGACATGG
CGCAGCCGGCGTGGGAGAAGATCGGCATCTACCGCGCCGGCATCATCCAGTCGT
GTACAGAATTCGCTGCGTGCAGCGGGCGGTGTAAGGTTTCATGATCAATGGACAC
GACTACTTTAATATTGTGCTTGTGAGCAATGTTCGCCGCGGCAGGCTCCATCAAAT
CCATGGAAGTCAAGACCGCGGTTTCGACTGATTGGATGCCGATGGCACGCAACTG
GGGCGCCAACTGGCACTACATGGCCTTTCTCACCGGCAAAACGCTCTCTTTCAGG
GTGACCAACAGTGATGGACAAGGTCTTCAATTTGCAAACGTGGTGCCAAAAGGA
TGGAAGTTTGCCAGACATTCGCAAGCAAATTTCTATTCAACTGA

Nucleotide

>PhEXPA-04

ATGGCTCCAGCTCCTGTTTCTCCTCTCTTGTGGTTCGCGAGCGCGTCGTCGCCAGC
TCCGGCACCGACCGGATGGCTGAGGGCGCACGCGACGTTCTACGGGTGCGTGTA
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GCGCACGGCGGCGCTGAGCATGGTGCTCTTCAACGACGGCGCCTCCTGCGGGCAG
TGCTACAAGCTCGCCTGCGACCGCAATACGGACCCGACGTGGTGCAAGCCCAGC
GTCACGGTCACCGTCACCGCCACCGACTTCTGCCCGCCAACTATGGGCTGCCCA
GCGACGACGGCGGCTGGTGCAACCCGCCGCGGCCGCGCTTCGACATGGCGCAGC

CGGCGTGGGAGAAGATCGGCATCTACCGCGCCGGCATCATCCCAGTCGTGTACAG
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CAGCCTCGCGCACCTCGACCTCAGGTTCAAGTTCTACGACCTACCGACGACGTC
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CTTTGCCGAGTGCTTCTCTCAGGCACTCGGCAAACATCGGTACCGTTTTCTCCGC
CGTCACGTCCATTTTTTTGGCCGAGAGCAGAATTAGGCACTTGGCAAAGTCTTTGC
TGAGTACCCGACAAAAAACACTCGGCAAAGAGGCTTTTGCCGACTCTTTCTTTGC
CGTTTCCTTTTTTGCCGAATGCAAACTCGGCAAAGGTTTGCCGAGTGCTTATGTT
GTTTTTCCGAGTGTGTCAGACACTCGGCAAACGAGGCTTCTCCCGTAGTGGCTAC
TCTCGATCTTACTAAGCAACGCATGTGAAAGGTTTCGTGATCAACGGCGGTAGCTT
TAACAGAAAATTCTCACTTGCAGAGTTCCGTGCGTGCGACGGGGCGGTGTAAGGT
TCATGATCAATGGACACGACTACTTTAATATTGTGCTTGTGAGCAATGTCGCCGC
GGCAGGCTCCATCAAATCCATGGAAGTCAAGACCGCGGTTTCGACTGATTGGATG
CCGATGGCACGCAACTGGGGCGCCA ACTGGCACTACATGGCCTTTCTCACCGGCA
AAACGCTCTCTTTCAGGGTGACCAACAGTGATGGACAAGGTCTTCAATTTGCAAA
CGTGGTGCCAAAAGGATGGAAGTTTGGCCAGACATTCGCAAGCAAATTTCTATTC
AACTGA