

IDENTIFICATION

Species: *Panicum hallii*

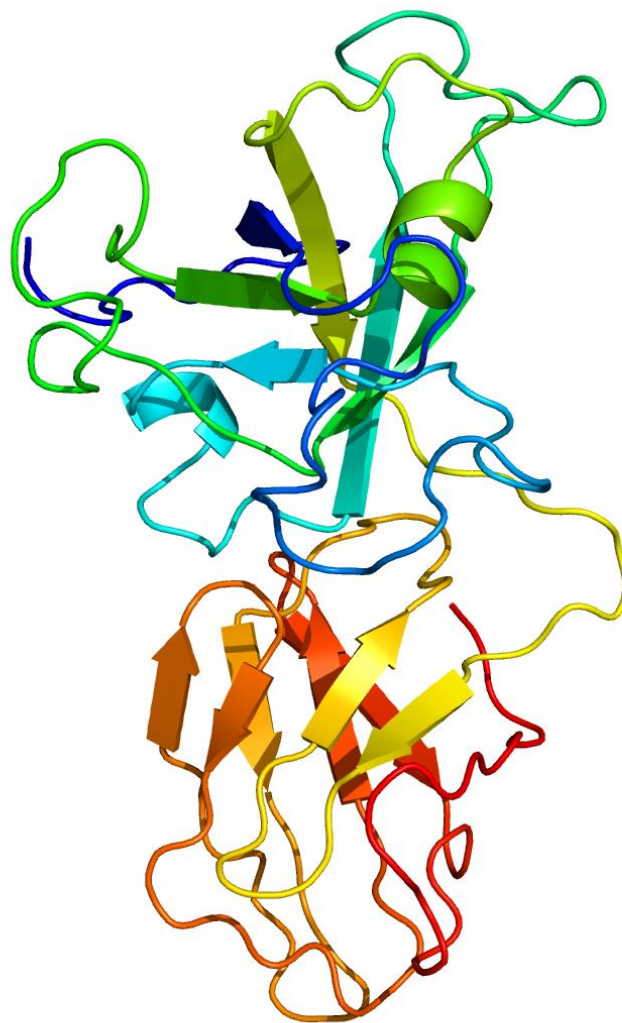
Locus: Pahal.1G115400

Gene Model: Pahal.1G115400.1.p

Description: PhEXPA-06

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>

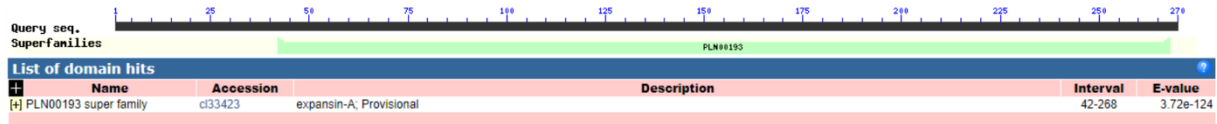
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhEXPA-06

MTAVRAFAVALFALGWALAVAADNVTSSSSSPAPAPPAVWQRGHATFYGGADA
SGTMGGACGYGNLYSQGYGSRTAALSTVLFQDGASCQCQYKIACDRKTDPTWCRPG
VTVTVTATNFCPPNWELPDGGWCNTARPHFDMAQPAWEKIGADTRAGIIPVIYQRVP
CARRGGVRFTHGHDYFNLVLTNVAAAGSIKSMDVRSDDSADWQPMARNWGAN
WHSLAYLSGKRLSFRVTTTDGQLEFTNVVPPGWTFGTLFASNLQFK*

CDS (coding sequence)

>PhEXPA-06

ATGACAGCAGTTAGAGCTTTCGCCGTCGCGCTGTTCGCACTCGGCTGGGCGCTGG
CCGTGGCCGCGGACAACGTCACGACCAGCTCGTCGTCGTCTCCGGCGCCGGCGCC
GCCTCCGGCCGTGTGGCAGCGGGGGCACGCGACGTTCTACGGCGGAGCAGATGC
CTCCGGGACCATGGGCGGCGCGTGCGGGTACGGCAACCTGTACTCGCAGGGCTA
CGGGTTCGCGCACGGCGGCGCTGAGCACGGTGCTCTTCCAAGACGGTGCTTCCTGC
GGGCAGTGCTACAAGATCGCGTGCACCGCAAGACGGACCCGACGTGGTGCCGG
CCCGGCGTGACGGTCACCGTCACTGCCACCAACTTCTGCCCGCCAACTGGGAGC
TCCCCGACGGCGGGTGGTGCAACACGGCGCGGCCCACTTCGACATGGCGCAGC
CAGCGTGGGAGAAGATCGGCGCCGACACCCGCGCCGGCATCATCCCCGTCATCTA
CCAGAGGGTCCCCTGCGCGAGGAGGGGCGGGGTGAGGTTACCATCAACGGGCA
CGACTACTTCAACCTGGTGCTCGTGACCAACGTCGCCGCGGCTGGCTCCATCAAG
TCCATGGACGTCAGGAGCTCCGACTCGGCCGACTGGCAGCCGATGGCGCGGAAC
TGGGGCGCCAACTGGCACTCCCTGGCGTACCTCAGCGGGAAGAGGCTCTCGTTCA
GGGTGACCACCACGGATGGCCAAACCCTCGAGTTCACGAACGTAGTGCCGCCTG
GATGGACGTTCCGCCTCACATTCGCAAGCAACTTGCAGTTCAAATAA

Nucleotide

>PhEXPA-06

ACACCACTCGAGCTGAGTCATCTCCTAGCTCACAGCCTCTTCCGAGCTACCAAGT
GCTTAGCCCAGAAGCAGCAGCAAGCAAGAAGCTTGCGGCAGTAGCGATGGCGAA
GTCCTACACCTTACTGTTTCGGCGCGCTGGTCGTGCTCGGGCTTCTAGTGAGCCCA
TTGCTTGCACCCGCAAGCTCGCCAAGCCAAACAGGCACAGGCGGCCGGCGCACA
GGCCGGCAGTGAGGGCCCCGAGCAACCACACCGCTACCCCTCGGCCTCCTACGC

CTACGGCTCCGGCGGCTGGCTGTCCGCCGGCGCGACGTA
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AGCCCGTCTCTGTTCAAGGGAGGCAAGGGATGCGGGCGCCTGCTACGAGGTCAGC
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CGGGGTCTGCCTCGCTGAGGCGGCCACTTCGACATGAGCGGCACCTCCATGGGC
GCCATGGCGAAGCCCGGCATGGCCGACAGGCTCCGCGCCCGCGGAATCCTCAAG
GTCCAGTACAAGAGGTACGTGCGTGCCTGCTGCTACCTACAGTATTTAGAAGTTC
AGAATTCCATCTCAGAACGGAGTTCACATATAGTTACCGCTCTCGTGCGTGGAAG
GGTGCCGTGCAAGTACAGCGGCGTGAACATCGCCTTCCAGGTGGACCAGGGCTCC
AACCCGTTCTACTTCGAGGTGCTGGTTCGAGTTCGAGGACGGCGACGGCGACCTCA
GCGCCGTCCACCTGATGGAGGCTGGCTGCAGCACCTGGACGCCGATGGTGCAGA
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ACTCCAACACCGGCAAGGCGCTGAGGGCGC
CATTCTCGATCCGGCTTACCTCCGACTCCGGCAAGGTCCTCGTCGCCAACAACGT
CATCCCCGCCAGCTGGAAGGCCGGAGCCACGTACCGCTCCTTGGTGA
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TAAATGACTGCTCCCAGATCAAGTGGTGTGGACGGGACTGCGTATCGGGGTGTTT
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