

IDENTIFICATION

Species: *Panicum hallii*

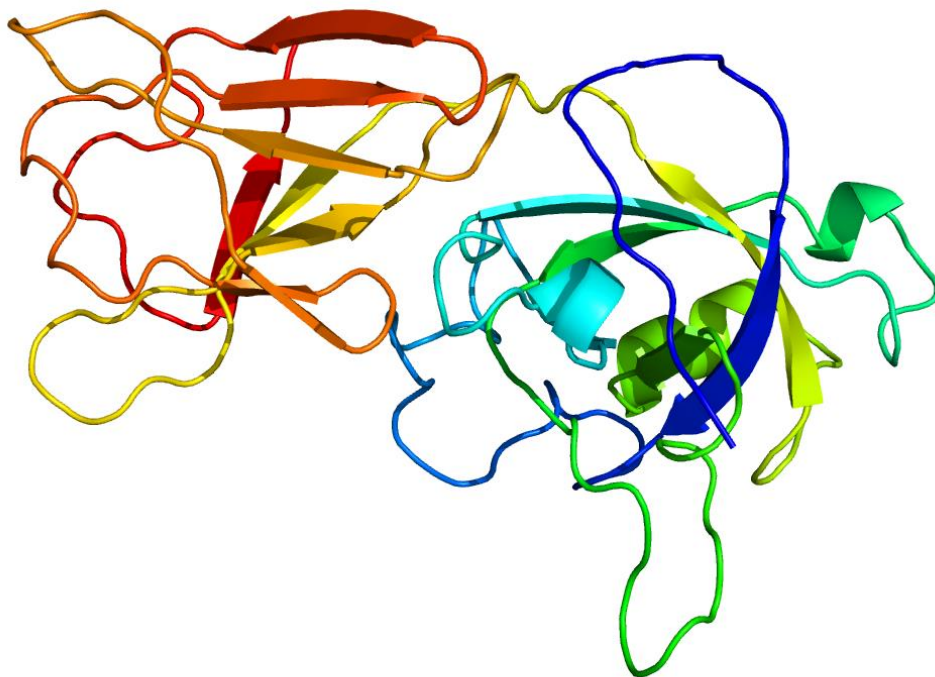
Locus: Pahal.6G013800

Gene Model: Pahal.6G013800.1.p

Description: PhEXPA-18

Family: Alpha Expansin

3D structure:



GENOME DATABASES

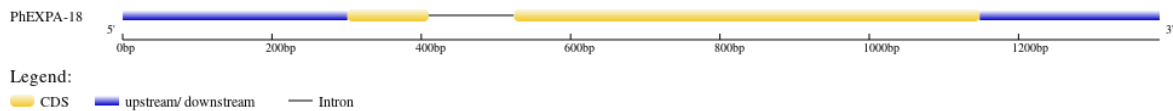
Phytozome: https://phytozome-next.jgi.doe.gov/info/Phallii_v3_1

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

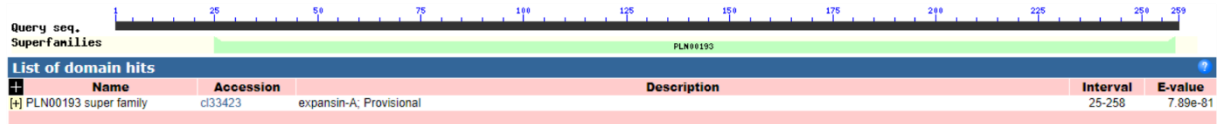
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhEXPA-18

MDPSPACPRAAAAVALLLLTVSPEAVTAVNAGGWEEAHATFYGDETGAETMQGAC
GYGNLFEQGYGLETTALSVALFDEGRSCGGCYELRCHGSASCAPGGAPVTVTATNA
CPANYSKPNENWCNPPLRHFDSLKPMFLRLVTDHFAGIVPVQYRRAPCARRGGVRFG
MKGNRWWVAVLVFNVAGAGDVRAVAVRGSRDAQWADMSRNWQIWDGDARLV
GQGLSFRVTSGDGRSIVFDGVVPPTWTAGQSFEGKHQF*

CDS (coding sequence)

>PhEXPA-18

ATGGATCCGAGCCCGGCGTGTCCCCGTGCCGCCGCCGCGTGGCACTGCTGCTAC
TCACTGTCTCTCCGGAAGCGGTACGCGCGTCAACGCCGGCGGCTGGGAGGAGG
CGCACGCCACGTTCTACGGCGACGAGACCGGAGCCGAAACCATGCAGGGCGCGT
GCGGGTACGGCAACCTGTTCGAGCAGGGCTACGGGCTGGAAACGACGGCGCTGA
GCGTGGCGCTCTTCGACGAGGGCCGGTCCCTGCGGGGGCTGCTACGAGCTGCGGTG
CCACGGCAGCGCCTCCTGCGCGCCCCGGCGGCGCTCCGGTGACGGTGACGGCGAC
CAACGCGTGCCCGGCCAACTACTCCAAGCCCAACGAGA ACTGGTGCAACCCGCC
GCTGCGGCACTTCGACCTGTCCAAGCCCATGTTCCCTTCGCCTCGTCACCGACTTCC
ACGCCGGCATCGTCCCCGTGCAGTACCGCCGCGCGCCCTGCGCCAGGCGCGGGCGG
CGTGCCTTCGGGATGAAGGGGAACCGGTGGTGGGTCGCCGTGCTCGTCTTCAAC
GTCGCCGGCGCTGGGGACGTCAGAGCCGTGGCCGTGAGGGGGTCCCGGGACGCG
CAGTGGGCGGACATGTCGCGCAACTGGGGGCAGATCTGGGACGGCGACGCGCGG
CTCGTCCGGGCAGGGACTGTCGTTCCGGGTGACCAGCGGCGACGGCCGCTCCATCG
TCTTCGACGGCGTCGTGCCGCCGACGTGGACGGCCGGTTCAGAGCTTCGAGGGAA
AGCACCAGTTCTGA

Nucleotide

>PhEXPA-18

AAAAGTCAATCCTGGCCCAACCATCCACGCGCTGGCCAGTCGTCGCTTTCTCGCT
CGCTCGCTGCAAATACGAACGGGGAGTCGGGGACGCTCGACGCTGCCCTCCCC
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CAAGTGTCAGGGGCAACGTACACTATATACGGCTCCTTGGTGACGATTCCCTCG
GCACCAACACACCCGGTTCGTACGGCACCGAGCACTGGCAGCTAGCTGACATGGC

GAAGATGCTCGCGCTCCTGATGATGACCCCGTGCGCCTTCTTCTTCTTCTTCCTCG
GAGGGCCGTCGGTGGCGGGCGGCTCAATGGACACCCGCCTTCGCCACCTTCTACGG
CGGCAGCGACGCCTCCGGCACCATGGGTAAGCAAGCATCATATCCTGCTGCTCTT
GCCATGTCTGTCTTTGCATTGATGAATTGGACGGATCCATCAGTTTGCGAATGCTA
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TACAACGCGGGGTACGGGACGCGGACGACGGCGCTGAGCACGGCGCTCTTCAAC
AACGGCGCCATGTGCGGGCGCCTGCTTACCATCGCCTGCGACGCCCGGGCGGTTCG
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CAACTGGGCGCTGGCCGGCGACCGCGGAGGCTGGTGCAACCCGCCGCGCCGGCA
CTTCGACATGTTCGCAGCCGGCGTGGGAGTCCATCGCCGTCTACCGCGCCGGGATC
GTTCCGGTGAACCTACCGCCGCGTGCCGTGCCGGCGCGCCGGCGGGCGTCCGGTTCA
CCGTCGGCGGGCGAAGCTACTTCGAGCTGGTGACGGTGGCGAACGTGGGCGGCA
GCGGCGTGGTGGCGCAGGCCTGGATCAGGGGGCGCCCGGACGGACTGGATGGCCA
TGACCCGGAACCTGGGGCGCCAACCTGGCAGAGCAACGCCTACCTCAACGGGCAGA
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CGCCCCCGGGGTGGTGGTTCGGCGGCACCTACACGTCCAATGCCAGTTCTAC
TGACGACGCCCGATTCTATCTATTCTTGTGATTTTCTTGCATGTCTCTTTTTTTTGG
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GCATTATTATTGCTGACAAGGTATTGGTCGAGTCGACGTGGCATAGGATCAAAGG
CCGCCACGCATGCACATTCGCATGATCTTTTTTAAGGGAAAAGGCCATTATCCT
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