

IDENTIFICATION

Species: *Panicum hallii*

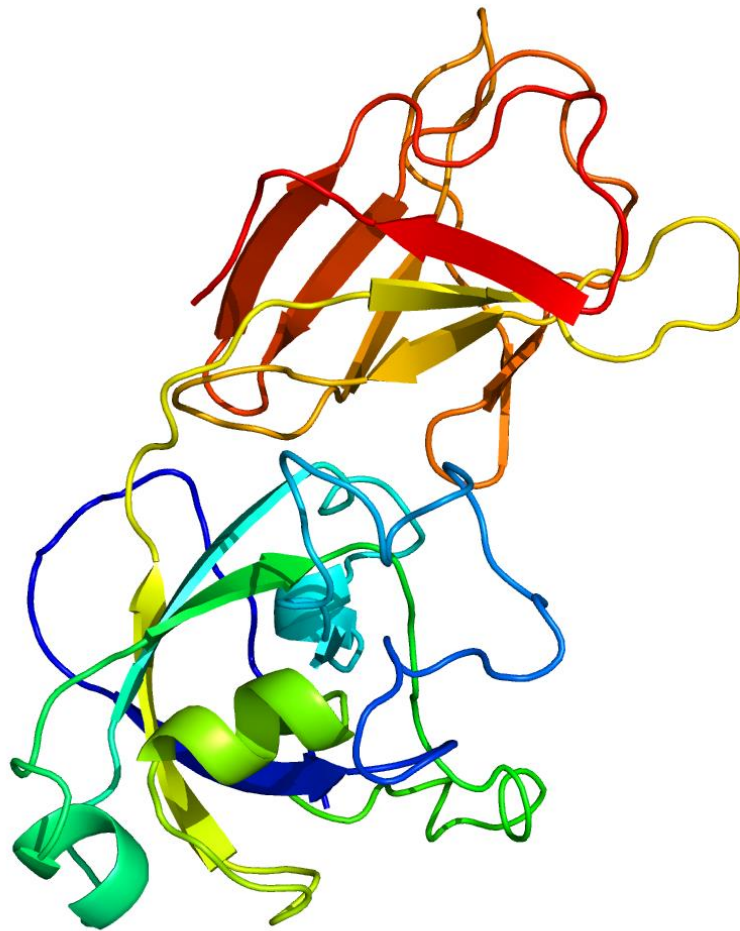
Locus: Pahal.6G305600

Gene Model: Pahal.6G305600.1.p

Description: PhEXPA-19

Family: Alpha Expansin

3D structure:



GENOME DATABASES

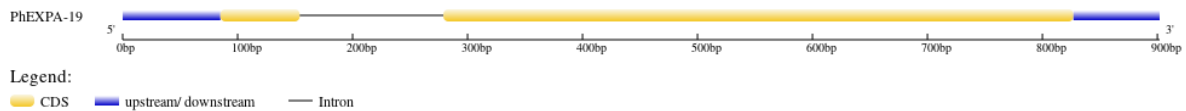
Phytozome: https://phytozome-next.jgi.doe.gov/info/Phallii_v3_1

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

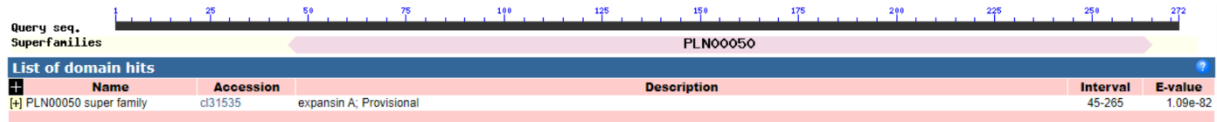
EXTERNAL RESOURCES

-

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhEXPA-19

MAPPPAGLVVSLLLAAVANAGGAKALTPGGRVVHHNHGKFTAGPWKPAHATFYGG
RDGSGTTAGACGYKDTRAEGYGVQTVAVSPVLFGDGAACGGCYEVRCVDSPDGCK
AGAAAAVVTATNLCPPNYQQSGDNNGWCNPPREHLDLSPAFLLQIAQEKAGIVPVS
YRRVACVKQGGIRYTIAGNKYFNMVMVTNVGGAGDLAAVSVKGSKRVKWTELKR
NWGQVWQTGEDLTGESLTFRLMTSDHRKATSWHVLPTDWQFGVTYQADKNF*

CDS (coding sequence)

>PhEXPA-19

ATGGCGCCACCGCCGGCGGGACTCGTCGTGTCGCTGCTGCTGGCCGCCGTCGCGA
ACGCGGGCGGGCGCTAAGGCCCTGACGCCAGGCGGGCGCGTGGTGCACCACAACC
ATGGCAAGTTCACGGCCGGCCCGTGAAGCCGGCGCACGCGACCTTCTACGGCG
GGCGCGACGGGTCCGGCACGACGGCGGGCGCGTGCGGGTACAAGGACACCCGGG
CGGAGGGGTACGGCGTACAGACGGTGGCCGTGAGCCCGGTGCTGTTCCGGCGACG
GCGCGGCGTGCGGCGGGTGTACGAGGTGCGGTGCGTGGACAGCCCCGACGGGT
GCAAGGCCGGCGCGGGCGGGCGGTGGTACGGCGACGAACCTGTGCCCGCCCA
ACTACCAGCAGTCGGGCGACAACGGCGGGTGGTGAACCCGCCGCGGGAGCACT
TGGACCTGAGCATGCCGGCGTTCCTGCAGATCGCGCAGGAGAAGGCCGGCATCG
TGCCGGTGTCTACCGGCGGGTGGCGTGCCTGAAGCAGGGCGGCATCCGGTACA
CCATCGCCGGGAACAAGTACTTCAACATGGTGTGTTGACGAACGTGGGCGGGCG
CCGGCGACCTGGCGGGCGGTGTCCGGTGAAGGGGAGCAAGCGCGTCAAGTGGACGG
AGCTGAAGCGCAACTGGGGGCAGGTGTGGCAGACCGGGGAGGACCTCACCGGCG
AGTCGCTGACGTTCCGGCTGATGACCAGCGACCACCGCAAGGCCACCTCCTGGCA
CGTGCTCCCCACGACTGGCAGTTCGGCGTACCTACCAGGCCGACAAGAACTTC
TAG

Nucleotide

>PhEXPA-19

ATGGATCCGAGCCCGGGCGTGTCCCGTGCCGCGCCGCGCGTGGCACTGCTGCTAC
TCACTGTCTCTCCGGAAGCGGTACGGCGGTCAACGCCGGCGGGTGGGAGGAGG
CGCACGCCACGTTCTACGGCGACGAGACCGGAGCCGAAACCATGCGTGAGTAGC
TAGAGTCCACCGGCGACATGCTTGCGAATGTGCATGCGTTCTTCTAGGCTTCTT

CTTGCTCGATCTTGACGTAATATAATAACAATGGCGTTCCGTGTCGATGCATATAA
GCAGAGGGCGCGTGCGGGTACGGCAACCTGTTTCGAGCAGGGCTACGGGCTGGAA
ACGACGGCGCTGAGCGTGGCGCTCTTCGACGAGGGCCGGTCCTGCGGGGGCTGCT
ACGAGCTGCGGTGCCACGGCAGCGCCTCCTGCGCGCCCGGCGGCGCTCCGGTGAC
GGTGACGGCGACCAACGCGTGCCCGGCCAACTACTCCAAGCCCAACGAGA ACTG
GTGCAACCCGCCGCTGCGGCACTTCGACCTGTCCAAGCCCATGTTTCCTTCGCCTCG
TCACCGACTTCCACGCCGGCATCGTCCCCGTGCAGTACCGCCGCGCGCCCTGCGC
CAGGCGCGGCGGCGTGCCTTCGGGATGAAGGGGAACCGGTGGTGGGTGCGCCGT
GCTCGTCTTCAACGTCGCCGGCGCTGGGGACGTCAGAGCCGTGGCCGTGAGGGG
GTCCCGGGACGCGCAGTGGGCGGACATGTCGCGCAACTGGGGGCAGATCTGGGA
CGGCGACGCGCGGCTCGTCGGGCAGGGACTGTCGTTCCGGGTGACCAGCGGCGA
CGGCCGCTCCATCGTCTTCGACGGCGTCGTGCCGCCGACGTGGACGGCCGGTCAG
AGCTTCGAGGGAAAGCACCAGTTCTGA