

IDENTIFICATION

Species: *Panicum hallii*

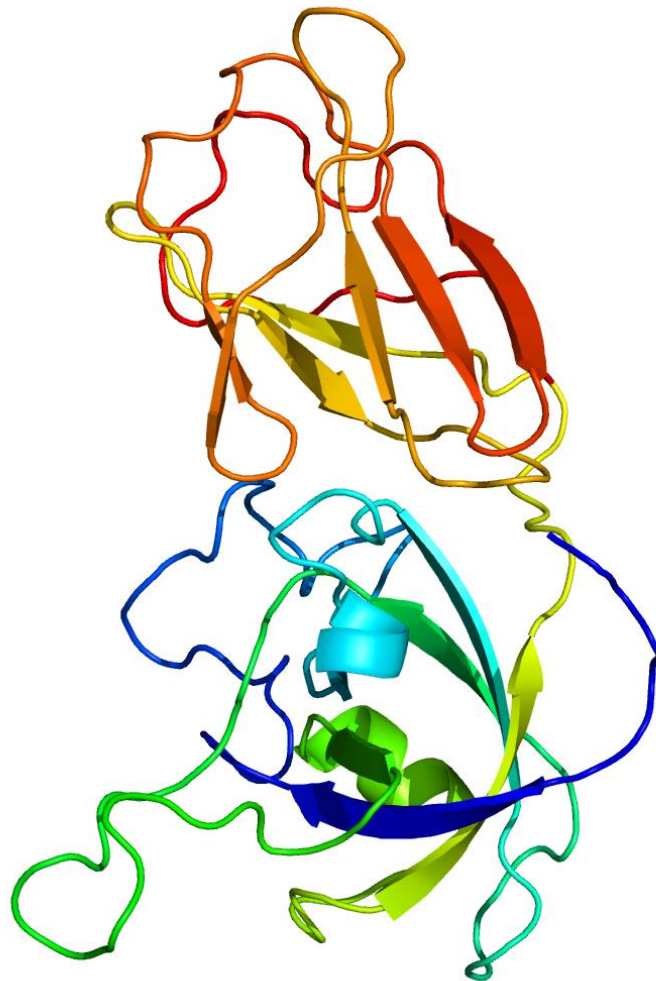
Locus: Pahal.5G414300

Gene Model: Pahal.5G414300.1.p

Description: PhEXPA-15

Family: Alpha Expansin

3D structure:



GENOME DATABASES

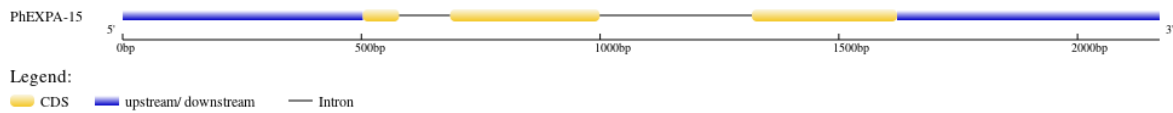
Phytozome: https://phytozome-next.jgi.doe.gov/info/Phallii_v3_1

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

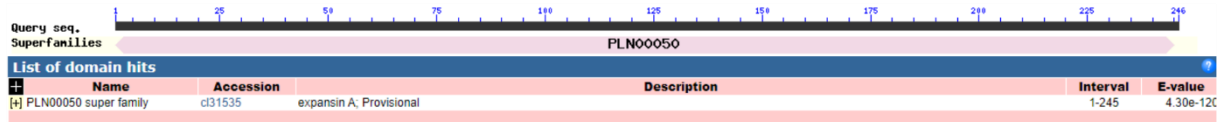
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhEXPA-15

MESLGLLVLAIAAVLKLKLAGADSGWNGGRATFYGGNDASGTMGGACGYGNLYSTGY
GTNTAALSTALFNNGRSCGACFEIRCSGGRSCLSGSAVVTATNFCPPNYALPNNNGG
WCNPPQPHFDLAEPVFSKIAQASAGVVPVQYRRVACTRQGGIRFTISGHSYFVLVLIT
NVGGAGDVSAVSVKGSQSGWQSMHNWGANWQSNAMLDLRQALSFKVTTSDGRSV
TSANAAPSGWSYGQTYSGNQF*

CDS (coding sequence)

>PhEXPA-15

ATGGAGTCCCTAGGCTTGCTGGTTCTTGCCATCGCCGCGGTGCTCAAGCTCGCCG
GCGCCGACTCCGGCTGGAACGGCGGCCGCGCCACGTTCTACGGCGGCAACGATG
CCTCCGGCACCATGGGAGGAGCGTGCGGCTACGGCAACTTGTACAGTACGGGGT
ACGGGACGAACACGGCGGCGCTGAGCACCGCGCTGTTCAACAACGGGCGGAGCT
GCGGCGCGTGCTTCGAGATCCGGTGCTCCGGCGGCCGACGCTGCCTGTCTGGCTC
CGCCGTGGTGACGGCCACCAACTTCTGCCCCGCCAACTATGCGCTCCCCAACAAC
AACGGCGGGTGGTGCAACCCGCCGACCCGCACTTCGACCTCGCCGAGCCGGTCT
TCTCCAAGATCGCCCAGGCCAGCGCCGGCGTTCGTGCCCGTCCAGTACAGGAGGGT
GGCATGCACCAGGCAGGGCGGCATCCGGTTCACCATCTCCGGCCACTCCTACTTC
GTCCTGGTGCTGATCACGAATGTGGGCGGCCGGCGACGTGTCGGCAGTGTCGG
TGAAGGGGTTCGACAGCGGGTGGCAGTCCATGAGCCACAACACTGGGGCGCCAAC
GGCAGAGCAACGCCATGCTCGACCGCCAGGCGCTGTCGTTCAAGGTCACCACCA
GCGACGGCCGACGCTCACGTCCGCCAACGCCGCGCCCAGCGGCTGGAGCTACG
GCCAGACCTACTCTGGCAACCAGTTCTAG

Nucleotide

>PhEXPA-15

TGACGCCGGCCGGGAGCCATCCATCCATGTGGGCACGCGAGCACGCCGGGCCCG
GGCAACCCCCGGTCTGTCTGCGCACACGCGAGCGAGCAGTTTGGTCCCTAGTTG
GCTAGTTGCGCGCGGAGACGACGGGCACTCGCATGTGCGCCTGATTCGTATGCGC
TAACCGCCGTCGTGCACCGGGCCTCGCGTGGTCGGCGGCCGCTCCGCCAGTCGT
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GAAAGTTGCTAACGATTCCAACACTGCCGGGAGCACTGGCCGTTGGTTGGGTTGGGC

CTATAAGTAGCTGGCCTCGGCGCGCCGCTCCCTTCACAGCCAAGCAACTCTCGAT
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