

IDENTIFICATION

Species: *Panicum hallii*

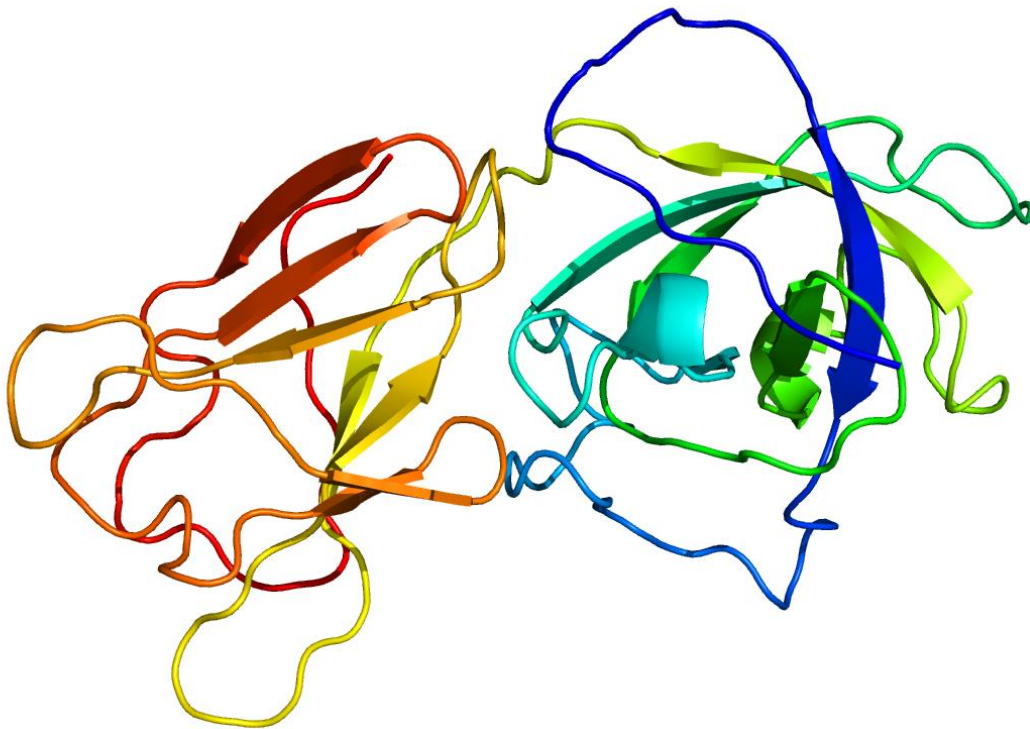
Locus: Pahal.7G266300

Gene Model: Pahal.7G266300.1.p

Description: PhEXPA-20

Family: Alpha Expansin

3D structure:



GENOME DATABASES

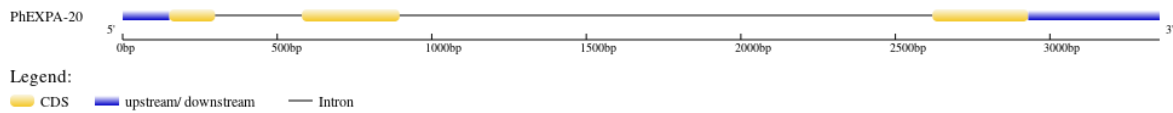
Phytozome: https://phytozome-next.jgi.doe.gov/info/Phallii_v3_1

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

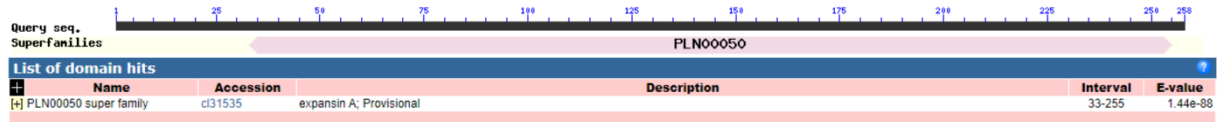
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhEXPA-20

MAPPLLLVLLLLPALAAGHQHPSSSGSSALSEWRPAKASYAADPEDAIGGACGFGD
LGKHGYGMATVGLSTALFERGAACGGCYEVKCVEDLKYCLPGTSIVVTATNFCAPN
YGLPADAGGHCNPPNHFLPIQAFEKIALWKAGVMPIQYRRVKCLREGGVRFVNG
RHFFFTVLISNVGGAGDVRSVKIKGTESGWLSMGRNWGQVWHINCDMRGQPLSFEL
SSSDGKRLTSFNVVPKDWEYGKTYTGKQFL*

CDS (coding sequence)

>PhEXPA-20

ATGGCTCCGCCACTACTGCTCGTCGTCCTCCTCCTCCCGGCCCTCGCCGCCGCCA
CCAGCACCCGTCCTCCTCCGGCTCCTCCGCCCTCCTCCGAGTGGCGCCCCGCCAAG
GCCTCCTACTACGCCGCCGACCCCGAGGACGCCATCGGTGGGGCGTGCGGGTTCG
GGGATCTGGGCAAGCACGGGTACGGGATGGCGACGGTGGGGCTGAGCACGGCGC
TGTTTCGAGCGCGGCGCGGCGTGCGGCGGCTGCTACGAGGTCAAGTGCCTCGAGG
ATCTCAAGTATTGTCTCCCCGGCACCTCCATCGTCGTCACGGCCACCAACTTCTGC
GCCCCAACTACGGCCTCCCCGCCGACGCCGGCGGCCACTGCAACCCGCCCAATC
ACCACTTCCTCCTCCCATCCAGGCGTTCGAGAAGATTGCCCTCTGGAAGGCCGG
CGTCATGCCCATCCAGTACCGCCGTGTTAAGTGCCTCCGTGAAGGTGGTGTGTCAGG
TTCTCTGTCAACGGTCGACACTTCTTCTTCACAGTCCTAATCAGCAACGTTGGTGG
TGCGGGTGATGTGAGATCGGTGAAGATCAAAGGAACAGAGTCAGGATGGCTCTC
GATGGGCCGCAACTGGGGTCAGGTGTGGCACATCAACTGTGACATGAGGGGCCA
GCCCTGTCTTCGAGCTCAGCTCAAGCGATGGCAAGAGGCTGACCAGTTTTAAT
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Nucleotide

>PhEXPA-20

AAGCAGGAAGGCCCCAGAACCCGCAAACGCACAAAGCGGAAAGCATCACACTTG
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