

IDENTIFICATION

Species: *Panicum hallii*

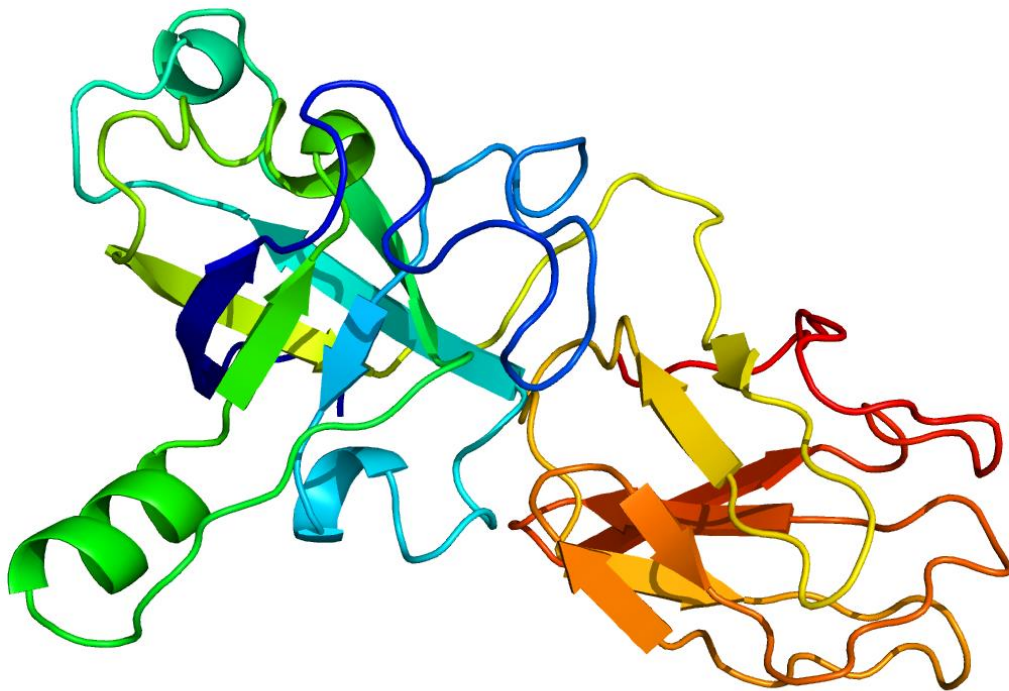
Locus: Pahal.5G433700

Gene Model: Pahal.5G433700.1.p

Description: PhEXPA-16

Family: Alpha Expansin

3D structure:



GENOME DATABASES

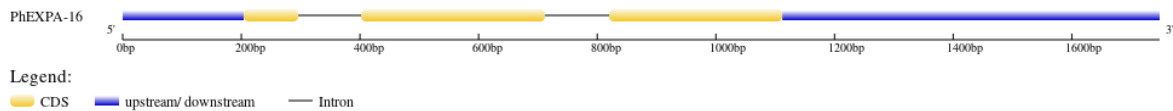
Phytozome: https://phytozome-next.jgi.doe.gov/info/Phallii_v3_1

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

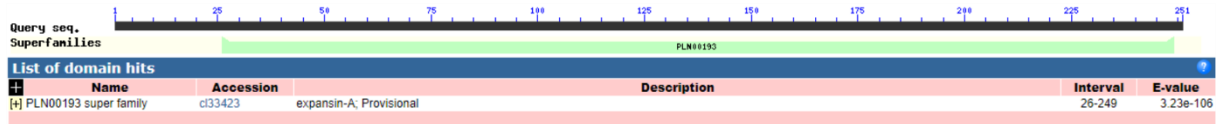
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhEXPA-16

MEKAILLLLLSLCAARLDGAVAQQYWTPATATFYGGSDASGTMGGSCGYGNLYSA
GYGTQTTALSTALYGDGASCACFLVTCASRTQYCKPGSPSVTVTATNFCPPNYGD
PSGWCNSPRQHFDMSQPAWETIGVYQAGVVPVNYRRVPCQRSGGVRFGISGHDYFE
LVLVTNVGGAGAVAAAWIKGSSTDWLPMSRNWGANWQSSAYVTGQSLSFKVQTD
DGRSVVAYDVAPANWQFGCTYQASANFY*

CDS (coding sequence)

>PhEXPA-16

ATGGAGAAGGCGATCCTGCTCTTGCTGCTGAGCCTGTGCGCCGCCCGGCTCGACG
GCGCCGTGGCGCAGCAGTACTGGACGCCGGCCACCGCGACGTTCTACGGCGGGA
GCGACGCGTCCGGCACCATGGGCGGGTCGTGCGGGTACGGCAACCTGTACAGCG
CCGGGTACGGGACGCAGACGACGGCGCTGAGCACGGCGCTCTACGGCGACGGCG
CCTCCTGCGGCGCGTGCTTCTGGTCACCTGCGACGCGTCGCGGACGCAGTACTG
CAAGCCGGGTTCCGCCGTCGGTGACCGTGACGGCGACCAACTTCTGCCCGCCAAC
TACGGCGACCCAGCGGGTGGTGCAACTCGCCGCGGCAGCACTTCGACATGTCGC
AGCCGGCGTGAGACCATCGGCGTGTACCAGGCCGGCGTGGTCCCCGTGAACT
ACCGGCGGGTTCGGTGCCAGCGGTCCGGCGGGGTCAGGTTCCGGCATCAGCGGTCA
CGACTACTTCGAGCTCGTGCTGGTACCAACGTCGGCGGCGCCGGCGCGGTGGCC
GCGGCGTGATCAAGGGCTCCTCCACGGACTGGCTGCCGATGAGCCGCAACTGG
GGGCGAACTGGCAGAGCAGCGCCTACGTCACCGGGCAGAGCCTGTCGTTCAAG
GTGCAGACGGACGACGGCAGGTCCGTCGTGGCGTACGACGTGGCGCCGGCGAAC
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Nucleotide

>PhEXPA-16

CTCGCACTGCAGCAAGTTGAGAGCCAGCAACTGCAAGCCTAGTGGTGCTCGTCTA
GAGCTGCAAGTACGGGACTGCAAATCCCTAGCAAGATCTATCTATCTATCT
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CATGCACCAGGCAGGGCGGCATCCGGTTCACCATCTCCGGCCACTCCTACTTCGT
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ACGTGACGATGATCGAATCTGTGTAGTTCAAGAGTTTGATTGT