

IDENTIFICATION

Species: *Panicum hallii*

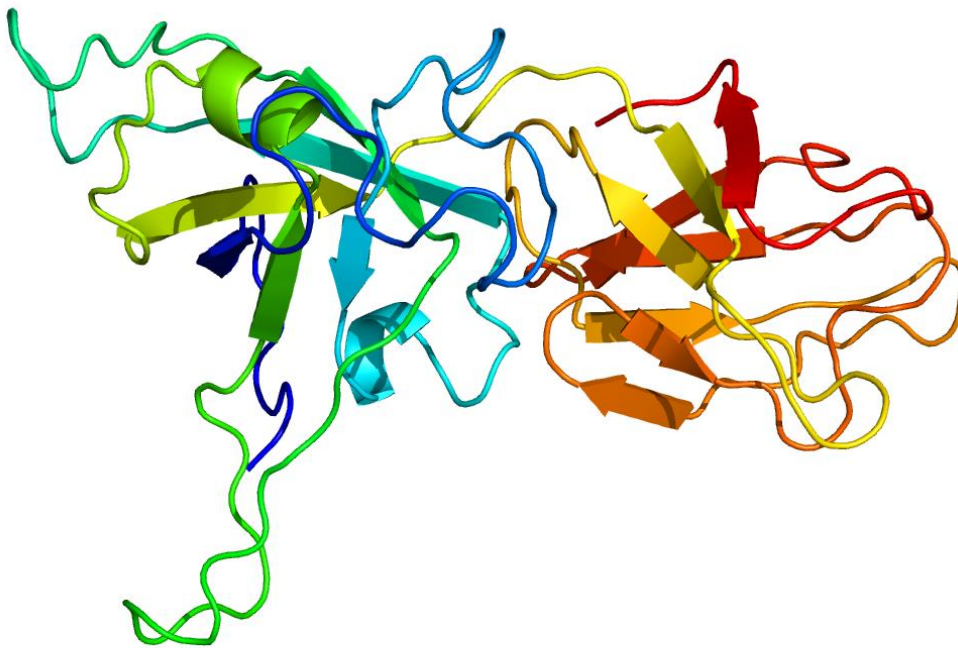
Locus: Pahal.4G011400

Gene Model: Pahal.4G011400.1.p

Description: PhEXPA-11

Family: Alpha Expansin

3D structure:



GENOME DATABASES

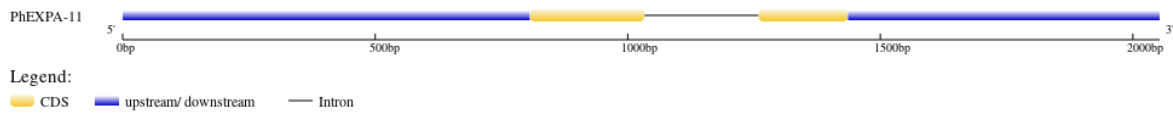
Phytozome: https://phytozome-next.jgi.doe.gov/info/Phallii_v3_1

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

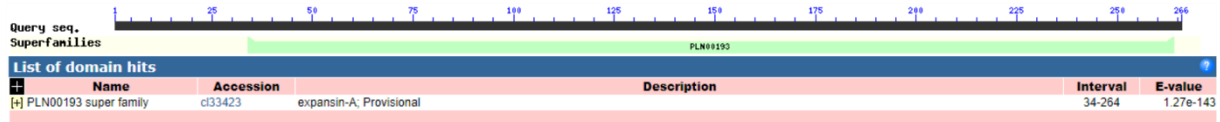
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhEXPA-11

MARVYNKRLAASAVALVVACALAAASTAGALAPSGWSKGTATFYGGSDASGTM
GGACGYGNLYTQGYGTRNAALSTALFNDGASCGRCKFLTCDARADPQWCRRTSV
TITATNFCPPNYALPSDDGGWCNPPRQHFDMAQPAWERIGIYRGGIVPVLVFRVPCR
HGGVRFVAGRDFELVLPTNVAAAGAVRAMEVRGTRTAGWLTMSRNWGANWQS
LAYLNGQGLSFRVTDDGQTIEFADVPPSWTFGLTYASRLQFK*

CDS (coding sequence)

>PhEXPA-11

ATGGCCCGCGTCTACAACAAGCGCCTCGCGGCCTCGGCCGTTGCGCTGGTGGTGG
TCGCTGCGCGCTGGCCGCCGCTCGACGGCCGGAGCGCTCGCGCCGTCCGGCTG
GAGCAAGGGCACCGCCACGTTCTACGGTGGCAGCGACGCCTCCGGCACCATGGG
CGGCGCGTGCGGGTACGGGAACCTGTACACGCAGGGCTACGGGACGCGGAACGC
GGCGCTGAGCACGGCGCTGTTCAACGACGGCGCGTCGTGCGGGCGTTGCTTCAAG
CTCACCTGCGACGCGCGCGGACCCGCAGTGGTGCCGCCGGGGCACCTCCGTCA
CCATCACGGCGACCAACTTCTGCCCGCCAACTACGCGCTGCCCTTGACGACGG
CGGGTGGTGCAACCCGCCGCGGCAGCACTTCGACATGGCGCAGCCGGCGTGGGA
GAGGATCGGCATCTACCGCGGGCGGATCGTGCCCGTGCTCTTCCAGCGCGTGCC
TGCAGGGCGCCACGGCGGGGTGCGGTTACGGTGGCCGGCCGGGACTACTTCGAG
CTGGTGCTGCCAACCAACGTGGCGGCCGCCGGCGCGGTGCGGGCCATGGAGGTG
CGGGGCACGCGCACGGCCGGGTGGCTGACCATGTGCGGGAAC TGGGGCGCCAAC
TGGAATCGCTGGCTTACCTCAACGGGCAGGGGCTCTCGTTCCGGGTCACCACCG
ACGACGGGCAGACCATCGAGTTCGCCGACGTCGTGCCGCCGTCGTGGACGTTCCG
GCTGACGTACGCGAGCAGGCTGCAGTTCAAGTAG

Nucleotide

>PhEXPA-11

AGAATGAACATCACAAAGGTGTGGAGGAGAAGAACTGTGGAGCATGCGTCGGC
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TAACAACAAGGAGGTCCGCCTGCTTGCAAGTTGCGGTGCAGGGACCGGCGGGTGT
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TCCTGCTCGCCGGGAGGCCTTCGCCGCGATGGCCAAGGACGGCATGGCCGACC
AAATCGCCGGCTCGGATAACGTCGTCGCCGGTGGACTTCAGGAGGTAGTCGATCGC
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TTGCGAGTACAAGAGGAACCTGGTGGTACGGGTTGAGGAGGGGAGCCGGAACCC
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GTA CTGTACGCCGCGGTGTCGCTTTCCAACAAATCCCATCCACGACCATGCGTTCT
CCGTTCCTCTTCTCCT