

IDENTIFICATION

Species: *Panicum hallii*

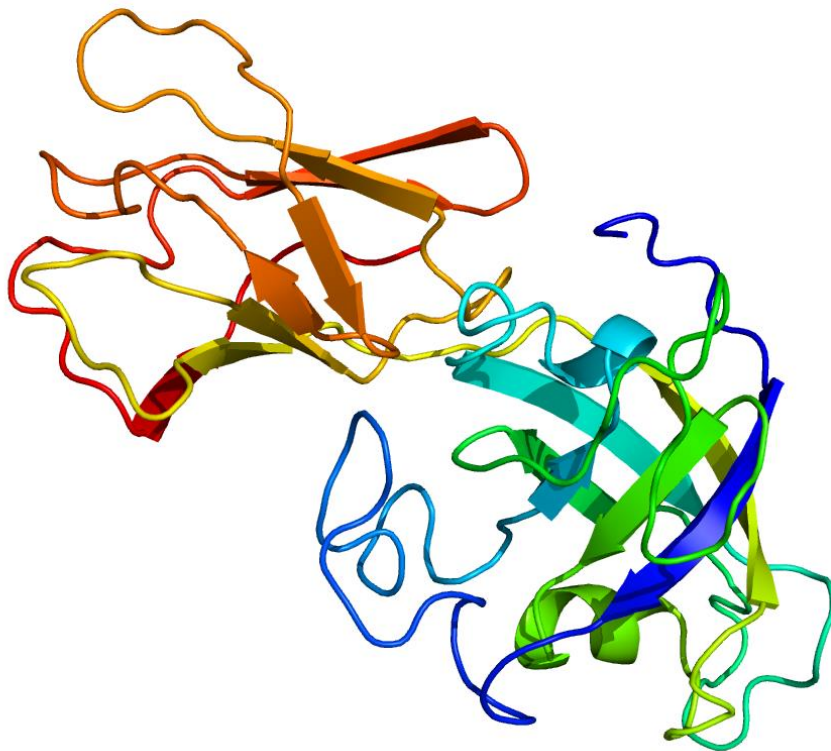
Locus: Pahal.9G238800

Gene Model: Pahal.9G238800.1.p

Description: PhEXPA-26

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>

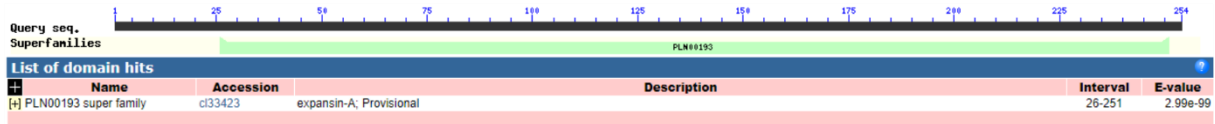
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhEXPA-26

MTQEMAKPLILCTALAAACLALAAADWSPGTATFYGGPDGSDTMGGACGYGNLYNA
GYGINNAALSETLFKDGASCGQCYLVICDGSRPGGQYCKPGTAITVSATNLCPANYG
LPNGGWCGPGRPHFDMSQPAWENIGVYQAGVIPVLYQQVKCWRNNGGVRFSIAGFN
YFLLVNIQNLAGSGSVGAAWIKGDNTGWIQMSRNWGANWQALSGLVGGLSFAVT
STGGQYIQFLNVVPGWWQFGMTFNTYQNFY*

CDS (coding sequence)

>PhEXPA-26

ATGACCCAAGAGATGGCCAAGCCCCTCATCTTGTGCACAGCGCTCGCGGCGTGCC
TCGCGCTCGCCGCCGCGACTGGTCTCCGGGCACCGCCACGTTCTACGGCGGACC
CGACGGTTCGACACCATGGGCGGCGCGTGTGGGTACGGGAACCTGTACAACGC
CGGGTACGGCATCAACAACGCGGGCGCTAAGCGAGACGCTGTTCAAGGACGGCGC
GTCGTGCGGGCAGTGCTACCTCGTCATCTGCGATGGCTCGCGGCCGGGCGGCCAG
TACTGCAAGCCCGGCACGGCGATCACCGTCTCGGCCACCAACCTGTGCCCCGGCCA
ACTACGGGCTGCCAACGGCGGCTGGTGCGGCCCGGGGCGCCCCACTTTGACAT
GTCGCAGCCGGCGTGGGAGAACATTGGCGTCTACCAGGCCGGCGTCATCCCAGGTG
CTGTACCAGCAGGTCAAGTGCTGGCGCAACGGCGGCGTGCCTCAGCATCGCCG
GCTTCAACTACTTCCCTGCTCGTCAACATCCAGAACCCTCGCCGGCAGCGGCTCCGT
GGGCGCCGCGTGGATCAAGGGCGACAACACCGGGTGGATCCAGATGTCCAGGAA
CTGGGGAGCCAACTGGCAGGCGCTCTCCGGGCTCGTCGGCCAGGGGCTCAGCTTC
GCTGTGACCAGCACCGGCGGGCAGTACATTCAGTTCCTCAACGTCGTGCCAGGGT
GGTGGCAGTTCGGCATGACCTTCAACACATAACCAGAATTCGACTACTGA

Nucleotide

>PhEXPA-26

ATTTAAGCACCGGTCTCCCTGACGCCATATTGTATCTCGTCCCACAAAACCTGTCA
GCCTCCATTGCCTAGTCTCCTCGTCTCCATTTCCATCTCGTTCTCTGCAGCTGCAT
TTGCAAAGGCGTCCATGGAAATGGCCAAGTCTCTGATCTTGTGCACAGTGTTTCGC
GGCGTGCCTTGCCTCGCTGCCGCCGACTGGTCTCAGGGCACCGCCACGTTCTAC
GGCGGACCCGACGGCTCCGACACCATGGGTAATAAGCTGCCTTGCTTGCAACCAA
TTCCGGTACAGGAAATAATCTTACTCGGCTCGTACTGATGCGATTTCATGCGTCCA

GGTGGCGCCTGCGGGTACGGCAACCTGTACAACGCCGGCTACGGCGTGCTGAAC
GCGGCGCTGAGCGAGACCCCTGTTCAAGGACGGCGCGTCGTGCGGGCAGTGCTAC
ACCATCTCGTGCGACGGGTCGCGCCC GGCGGCGAGTACTGTAAGCCCGGCACGT
CGATCACGGTCTCGGCCACCAACCTGTGCCCGGCCAACTTCGCGCTGCCAACGG
CGGCTGGTGC GGCCCCGGGGCGCCCCACTTCGACATGTCGCAGCCGGCGTG GGA
GCACATCGGTGTCTACCGGGCCGGCGTCATCCCCGTCGTCTACCAGCAGGTCAGG
TGCTCGCGCCAGGGCGGCGTGCGCTTCAGCATCGCCGGCTTCAACTACTTCCTGC
TCATCAACATCCAGAACCTCGCCGGCAGCGGCTCCGTGGGCGCCGCGTGGATCAA
GGGCGATAGCACGGGGTGGATCCAGATGTCCAGGAACTGGGGCGCCAACTGGCA
GGCTCTCTCCGGGCTCGTCGGCCAGGGCCTCAGCTTCGCCGTGATCACCACCGGC
GGGCAGTACATTCAGTTCCTCAACGTCGTCCCGGCGTGGTGGAAGTTCGGTGAGA
CCTACACCACCAACCAGAACTTCTACTACTAAGCCTCGCAAGCAGGAGAGCGCTT
TGGTCTCCTTCGCCATTTCTTGCAATTCGGTCAGCTTGCCAGTGCATCGTTGCCGT
TGGTGATGCCTGACTGGCATAGGTGATCGTCCGACTGCAGGAGATGGAAGGATTT
TCTCCTACAATGTAGATACAGCATTTAATGCTATTGTTCTTAAAATCTTGCGATAC
GTACATATATAGCAAATGTAAAGCTCTTCAACATTCTATCAGACTTCCAACTTG
AGTAGTGGATGC