

IDENTIFICATION

Species: *Panicum hallii*

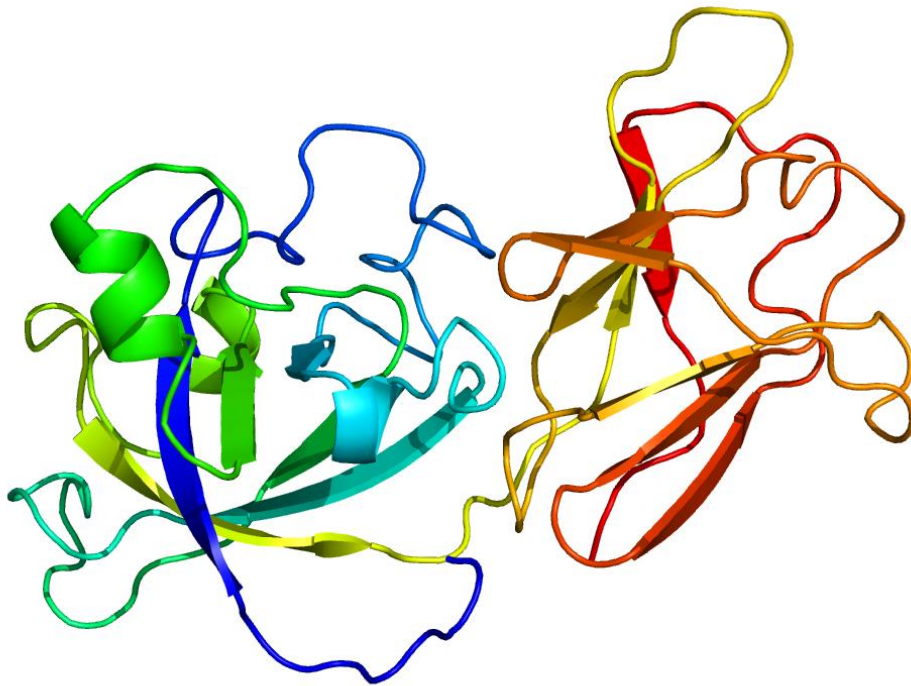
Locus: Pahal.9G238700

Gene Model: Pahal.9G238700.1.p

Description: PhEXPA-25

Family: Alpha Expansin

3D structure:



GENOME DATABASES

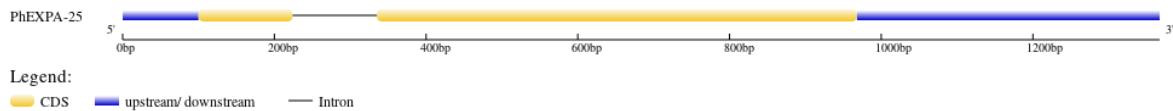
Phytozome: https://phytozome-next.jgi.doe.gov/info/Phallii_v3_1

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

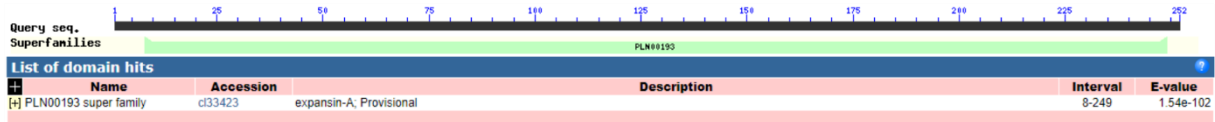
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhEXPA-25

MEMAKSLILCTVFAACLALAAADWSQGTATFYGGPDGSDTMGGACGYGNLYNAGY
GVLNAALSETLFDKDGASCGQCYTISCDGSRPGGEYCKPGTSITVSATNLCPANFALPN
GGWCGPGRPHFDMSQPAWEHIGVYRAGVIPVVYQQVRCRQGGVRFISIAGFNFLLI
NIQNLAGSGSVGAAWIKGDSTGWIQMSRNWGANWQALSGLVGQGLSFAVITGGQ
YIQFLNVVPAWWKFGETYTTNQNIFY*

CDS (coding sequence)

>PhEXPA-25

ATGGAATGGCCAAGTCTCTGATCTTGTGCACAGTGTTTCGCGGCGTGCCTTGCGC
TCGCTGCCGCGACTGGTCTCAGGGCACCGCCACGTTCTACGGCGGACCCGACGG
CTCCGACACCATGGGTGGCGCCTGCGGGTACGGCAACCTGTACAACGCCGGCTAC
GGCGTGCTGAACGCGGCGCTGAGCGAGACCCTGTTCAAGGACGGCGCGTCTGTC
GGGCAGTGCTACACCATCTCGTGCACGGGTTCGCGCCCGGGCGGCGAGTACTGTA
AGCCCGGCACGTCGATCACGGTCTCGGCCACCAACCTGTGCCCGGCCAACTTCGC
GCTGCCAACGGCGGCTGGTGCAGCCCGGGCGCCCCACTTCGACATGTTCGAG
CCGGCGTGGGAGCACATCGGTGTCTACCGGGCCGGCGTCATCCCCGTCTCTACC
AGCAGGTCAGGTGCTCGCGCCAGGGCGGCGTGCCTTCAGCATCGCCGGCTTCAA
CTACTTCTGCTCATCAACATCCAGAACCTCGCCGGCAGCGGCTCCGTGGGCGCC
GCGTGGATCAAGGGCGATAGCACGGGGTGGATCCAGATGTCCAGGAACTGGGGC
GCCAACTGGCAGGCTCTCTCCGGGCTCGTCGGCCAGGGCCTCAGCTTCGCCGTGA
TCACCACCGGCGGGCAGTACATTCAGTTCCTCAACGTCGTCCCGGCGTGGTGGAA
GTTCGGTGAGACCTACACCACCAACCAGAACTTCTACTACTAA

Nucleotide

>PhEXPA-25

TCAGAAGCAGTTAGCCTCCATTACCCCAGCCTAGCTCCTCGTCCGCTCCCATTTC
ATCCCGGTCTCTGCAGCTACGTACACCTCTGTGCATTGGCGTCCATGGATACGGC
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GCCTGGTCTCAGGGCACCGCCACGAACTACGGCGGAGCCGACGGCTCCGGCACC
ATGGGTACGCTGCCTTACTGCCTTGCATGCGTCCCATTCTGTACAAGAAAGATT
TCGCGCACATTTGCTTGCTTGGCTGCCCGTAACTGATCCAATGCATGTACTATG

TAGGTGGCGCCTGCGGGTACGACAACCTTTACAACGCCGGGTACGGCGTGCTCAA
CGCGGCGCTGAGCCAGACGCTGTTCAACGACGGCGCGTCGTGCGGGCAGTGCTA
CCTCATCACCTGCGACGGCTCGCGGCCGGGCGGCCAGAACTGCAAGCCCGGGAA
CAGCATCACCGTCTCGGCCACCAACCTGTGCCCCGCCAACTACGGGCTGCCAAC
GGCGGCTGGTGC GGCCCGGGGCGCCCCACTTCGACATGTTCGCAGCCGGCGTTTCG
AGAACATCGGCGTCTACCAGGCCGGCATCATCCCGGTCTCTACCAGCAGGTCCA
GTGCAAGCGCAGCGGCGGCGTGCGCTTCAGCATCGCCGGTTCAGCTACTTCCTG
CTCGTCAACATCCAGAACCTCGGCGGCAGCGGCTCCGTGGGCGCCGCCTGGGTCA
AGGGCGACAAGACGGGGTGGATCCAGATGTCCAGGAACTGGGGCGCCAACTGGC
AGGCGCTGGCCGGCCTCGTCGGCCAGGGGCTCAGCTTCGCCGTGACCAGCACCGG
CGGGCAGTACATTCAGTTCCCCAACGTTCGCGCCGGCGTGGTGGCAGTTCGGCCAG
ACCTTCACCAACAACAACCTGAACTTCGCCTACTGAATCTTGCAAACAGGAGAGC
GCTTTGTTTCCTCCGCCATTTCTTG CAGTTCGGTTCGAATGGCGAGTGCATGCTCCT
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AGCATCTGTCCTAGGTGATGCCCCGACTGCAAGAGGAGGTGCGCGCCATGTATAA
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TTGTAAATGTACCATAACTGCAATATATTTTGGATATTGGTA