

IDENTIFICATION

Species: *Panicum hallii*

Locus: Pahal.9G238900

Gene Model: Pahal.9G238900.1.p

Description: PhEXPA-27

Family: Alpha Expansin

3D structure:



GENOME DATABASES

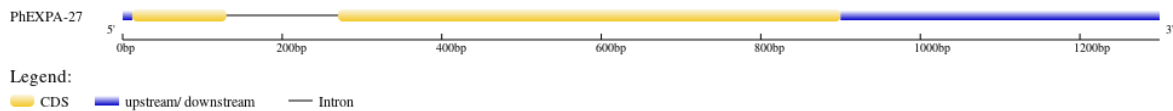
Phytozome: https://phytozome-next.jgi.doe.gov/info/Phallii_v3_1

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

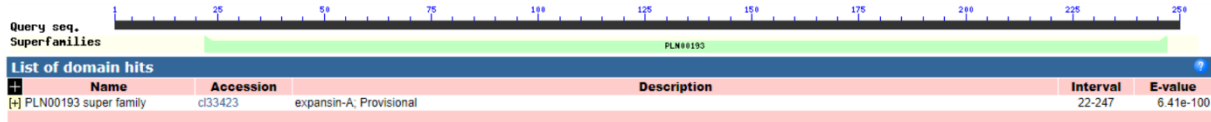
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhEXPA-27

MAKFLMLCTMVAACLALAAADWSPGTATFYGGVDGSGTMGGASGYDNLNAGYG
VNNAALSQTLFNDGASCGQCYLITCDGSRPGGQYCKPSSSITVSATNLCPNYALPNG
GWCGRPGRPHFDMSQPAWEHIGVYQAGTVPVLYQRVQCSRSGGVRFSMAGSNYFLL
VNIQNLGGSGSVAAAWVQGDNTGWIQMSRNWGANWQALAGLVGQGLSFAVTSTG
GQYIQFLNAVPAWWQFGMAFSTNQNFVY*

CDS (coding sequence)

>PhEXPA-27

ATGGCTAAATTCCTGATGCTGTGCACGATGGTTGCGGCGTGCCTCGCCCTTGCAG
CCGCCGACTGGTCTCCCGGCACCGCCACATTCTACGGCGGCGTGCACGGCTCCGG
CACCATGGGAGGCGCGTCCGGGTACGACAACCTGTACAACGCGGGGTACGGCGT
CAACAACGCGGGCGCTGAGCCAGACGCTCTTCAACGACGGCGCGTTCGTGCGGGCA
GTGTTACCTCATCACCTGCGACGGGTCACGCCCGGGCGGCCAGTACTGCAAGCCC
AGCAGCAGCATCACGGTCTCGGCTACCAACCTGTGCCCGCCAACTACGCGCTCC
CCAACGGCGGCTGGTGC GGCCCCGGCCGCCCCACTTCGACATGTCGCAGCCGGC
GTGGGAGCACATCGGCGTCTACCAGGCCGGCACCGTCCCCGTCTGTACCAACGG
GTCCAGTGCTCGCGCAGCGGCGGCGTGCCTTCAGCATGGCTGGCTCCA ACTACT
TCCTGCTCGTCAACATCCAGAACCTCGGCGGCAGCGGCTCCGTGGCGGCGGCATG
GGTCCAGGGCGACAACACGGGGTGGATCCAGATGTCAAGGAACTGGGGCGCCAA
CTGGCAGGCGCTCGCCGGGCTCGTTCGGCCAGGGGCTCAGCTTCGCCGTGACCAGC
ACCGGCGGGCAGTACATTCAAGTTCCTCAACGCCGTGCCGGCGTGGTGGCAGTTCG
GCATGGCCTTCTCCACCAATCAGAACTTCGTCTACTAG

Nucleotide

>PhEXPA-27

ATGACCCAAGAGATGGCCAAGCCCCTCATCTTGTGCACAGCGCTCGCGGCGTGCC
TCGCGCTCGCCGCCGCGACTGGTCTCCGGGCACCGCCACGTTCTACGGCGGACC
CGACGGTTCGACACCATGGGTAAGCTTGCTACTAATAGTGTGAACTTTGGTGC
GAGCAGAGCTGATCCAGATATCATATCTGAACATTTCTGCAA ACTGTGCACGTAC
TGATTGTGTGGCTAATAATATAATGAATGTGTATATCTGTGACGATACAGGCGGC
GCGTGTGGGTACGGGAACCTGTACAACGCCGGGTACGGCATCAACAACGCGGCG

CTAAGCGAGACGCTGTTCAAGGACGGCGCGTCGTGCGGGCAGTGCTACCTCGTCA
TCTGCGATGGCTCGCGGCCGGGGCGGCCAGTACTGCAAGCCCGGCACGGCGATCA
CCGTCTCGGCCACCAACCTGTGCCCCGGCCAACTACGGGCTGCCCAACGGCGGCTG
GTGCGGCCCGGGGCGCCCCACTTTGACATGTCGCAGCCGGCGTG GGGAGAACATT
GGCGTCTACCAGGCCGGCGTCATCCCGGTGCTGTACCAGCAGGTCAAGTGCTGGC
GCAACGGCGGGCGTGCGCTTCAGCATCGCCGGCTTCAACTACTTCCTGCTCGTCAA
CATCCAGAACCTCGCCGGCAGCGGCTCCGTGGGCGCCGCGTGGATCAAGGGCGA
CAACACCGGGTGGATCCAGATGTCCAGGAACTGGGGAGCCA ACTGGCAGGCGCT
CTCCGGGCTCGTCGGCCAGGGGCTCAGCTTCGCTGTGACCAGCACCGGCGGGCAG
TACATTCAGTTCCTCAACGTCGTGCCAGGGTGGTGGCAGTTCGGCATGACCTTCA
ACACATAACCAGAATTTGACTACTGAACTTGCAGGTAGCAGAGTGATCGATCCC
CCTTATAGCCATCTCTTGATGGCAGGGTTGGATGAAGAAGGGATGCAATGCAACC
CAGACCTCAAGACCCCTTTAATTTATTTTCCCTCCTGAAGATGCAACACATTATGC
TTTTCTTTCTTTTTTTGCGAGAATCATTCTTTTCAACATTCTATTATCAAATTATAA
GTTCTGTAGACAATGTTCTATGTGTAGACTTCAAATTTAGTGGTCAATATACATA
CTATATTGATGTATATCTGGAAACAGGGGTGTGGATCCATGGAAAAAAAAAATAC
ACGGGGGCTCAGTGTATACAAGACCATTGTTGTAGCTTAAAGCAGTTTATATGAA
TATTTTCGGATGAATAAATCAAAAAACATCATTAGAA