

IDENTIFICATION

Species: *Panicum hallii*

Locus: Pahal.9G238600

Gene Model: Pahal.9G238600.1.p

Description: PhEXPA-24

Family: Alpha Expansin

3D structure:



GENOME DATABASES

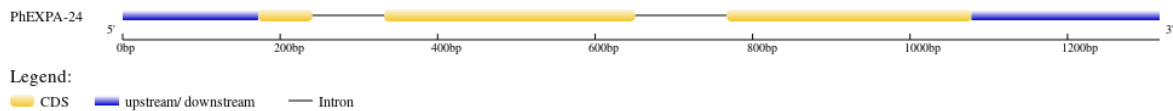
Phytozome: https://phytozome-next.jgi.doe.gov/info/Phallii_v3_1

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

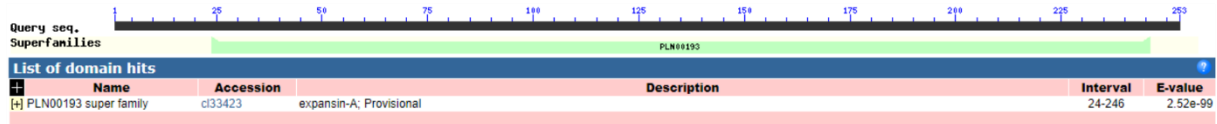
EXTERNAL RESOURCES

-

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhEXPA-24

MDTAKSLILCTVLAACLGLAAAWSQGTATNYGGADGSGTMGGACGYDNLNAG
YGVLNAALSQTLFNDGASCGQCYLITCDGSRPGGQNCKPGNSITVSATNLCPPNYGL
PNGGWCGPGRPHFDMSQPAFENIGVYQAGIIPVLYQQVQCKRSGGVRFISIAGSSYFLL
VNIQNLGSGSVGAAWVKGDKTGWIQMSRNWGANWQALAGLVGQGLSFAVTSTG
GQYIQFPNVAPAWWQFGQFTFTNNLNFAY*

CDS (coding sequence)

>PhEXPA-24

ATGGATACGGCAAAGTCCCTGATCTTGTGCACAGTCCTTGCGGCGTGCCTCGGGC
TCGCCGCCGCCGCTGGTCTCAGGGCACCGCCACGAACTACGGCGGAGCCGACG
GCTCCGGCACCATGGGTGGCGCCTGCGGGTACGACAACCTTTACAACGCCGGGTA
CGGCGTGCTCAACGCGGCGCTGAGCCAGACGCTGTTCAACGACGGCGCGTCTGTC
GGGCAGTGCTACCTCATCACCTGCGACGGCTCGCGGCCGGGCGGCCAGAACTGC
AAGCCCAGGAACAGCATCACCGTCTCGGCCACCAACCTGTGCCCCGCCAACTACG
GGCTGCCAACGGCGGCTGGTGC GGCCCGGGGCGCCCCACTTCGACATGTCGCA
GCCGGCGTTCGAGAACATCGGCGTCTACCAGGCCGGCATCATCCCGGTCTCTAC
CAGCAGGTCCAGTGCAAGCGCAGCGGCGGCGTGCCTTCAGCATCGCCGGTTCCA
GCTACTTCTGCTCGTCAACATCCAGAACCTCGGCGGCAGCGGCTCCGTGGGCGC
CGCCTGGGTCAAGGGCGACAAGACGGGGTGGATCCAGATGTCCAGGAACTGGGG
CGCCAACTGGCAGGCGCTGGCCGGCCTCGTCGGCCAGGGGCTCAGCTTCGCCGTG
ACCAGCACCGGCGGGCAGTACATTCAGTTCCCAACGTCGCGCCGGCGTGGTGGC
AGTTCGGCCAGACCTTCACCAACAACAACCTGAACTTCGCCTACTGA

Nucleotide

>PhEXPA-24

CGACCCACTCGATCATCAATAGCTTCTCTAGCTTGTCCCTCTAGATCCTCAGCTCA
TCATCAGGTGCCATTGCTAGCTAGCTAGCTGCCAACAAGCTAGATGGGCAGCACC
GCGGCGATGCTGCTCAGGTCCGTCGCCGTCCTCGCCCTCCTCGCCATGTCGGCGA
CAACGGCGGCGGCGCAGTACTGGAACAGCGGGACGGCGACGTTCTACGGCGGCA
GGGACGGTTCGGGACGATGGGTACGTTACCTTCTATGTACGCAGCATTTCATT
GCAACAGCTGCGTACCTGACGATCGATACTACTCTGCCGCGTGCTTCATTCTGC

AGGCGGCGCGTGCGGGTACGACAACCTGTACAACCAGGGGTACGGGGTGCTGAA
CGCGGCGCTGAGCCAGGTGCTGTTCAACGACGGCGCGTCCTGCGGCCAGTGCTAC
AACATCAAGTGCGACACCGGCAAGTCCGGGTGGTGCAAGCCCGGCTACTCCGTC
ACCGTCACCGCCACCAACCTGTGCCCCGCCAACTACGCCATCACCACCAACGGGG
GAGGCTGGTGCAACCCGCCGCGCCCCACTTCGACATGTCGCAGCCGGCGTGGA
GCAGATCGGCATCTACCGCGCCGGCATCATCCCCGTCCTCTACCAGCGGTACGCA
TATATATATATACGGACGCAATTGTGATCGATGAAACGCCGCCGGCCACCGC
CGCCTCTCGCAAAGGCTTACATGATCGATCACCATCTGGTGTAATAATGTGCAGG
GTGCCGTGCACGAGGCAGGGAGGGGTGAGGTTACCATCTCCGGCTTCAACTACT
TCCAGCTGGTGCTCATCACCACGTCGCCGGCAGCGGCTCCATCCGGTCCATGTC
GGTGAAGGGCGCCAGCACCGGGTGGATCGCGATGACGCGGAACTGGGGCGCACT
GTGGCAGTGCAGCTCGGCGCTCGTCGGCGAGCCGCTCTCCTTCGCGGTCACCTCC
ACCGGCGGCCAGACGCTGTACATGAACAACATCGCGCCGGCGTGGTGGACCTTC
GGCATGACGTTCCGCCAGCAACAACCAGTTTGCCTACTAATAGTTAGCTAGTTCAC
GACGCATAATTGCATGTGCATGTGCGTGTGCCTGGCCGATCTGGGATTAATTA
TTATAATACATCAGTTGACTTAATGGTGTGTGTGTGTGTAATGCGTGGGTTGATCT
GGGATTTTGATCTGTAATCGCATTCTGTGCGATTTTGTCTACTACATACCTGCTGT
ACATGTACATCGATTTGTTATCTGTTAATATATATATATATATATATATATTATTTT