

IDENTIFICATION

Species: *Panicum hallii*

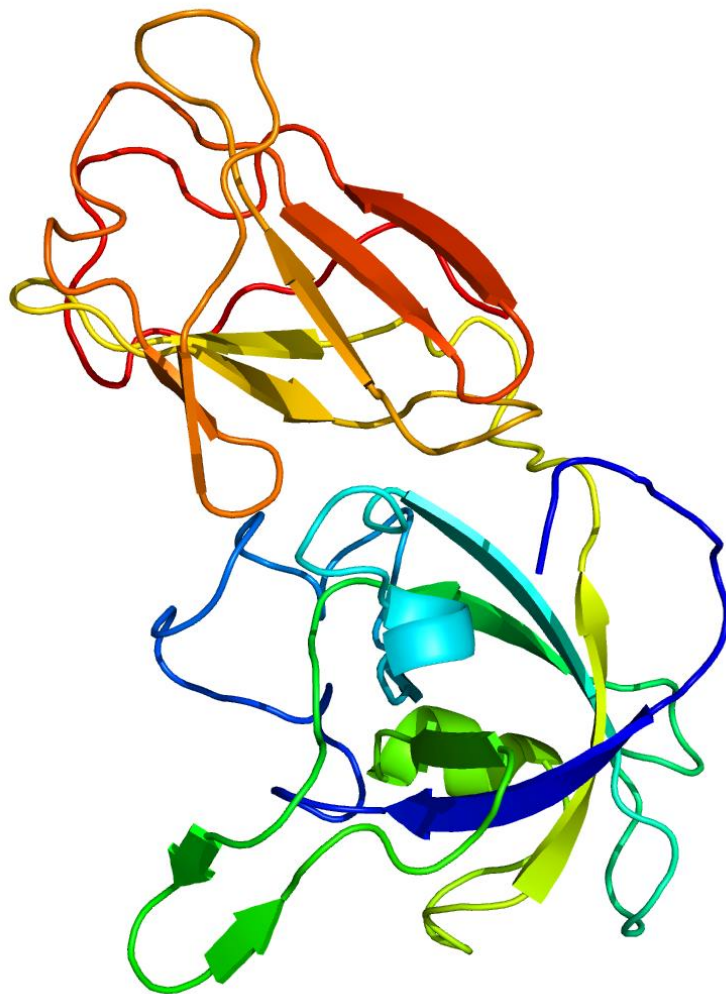
Locus: Pahal.9G599700

Gene Model: Pahal.9G599700.1.p

Description: PhEXPA-32

Family: Alpha Expansin

3D structure:



GENOME DATABASES

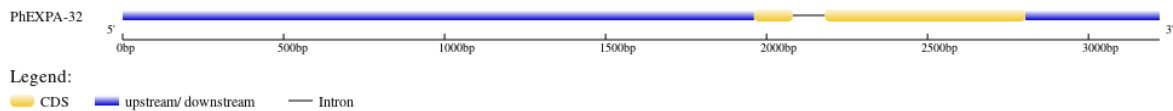
Phytozome: https://phytozome-next.jgi.doe.gov/info/Phallii_v3_1

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

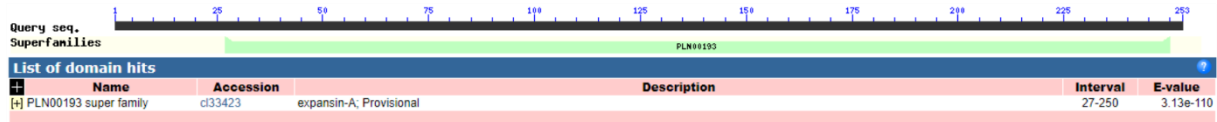
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhEXPA-32

MGQRFLHQLLAVLALCLFAPARSDEWL PATATFYGGADGSDTMGGACGYGNLYD
QYGINNAALSTALFNDGAACGQCYVIICDTSKSGWCRPGKWVAVSATNFCPPNWS
LPGGGWCGPPRPHFDMSQPAWENIGIYSAGIIPVLYQRIKCWRDGGVRF TIAGFN YFE
LVLVTNVAGSGSIQSM AVKGT TTDWIQMSRNWGANWQCLAALAGQGLSFALTSTG
GQTIVFQDVVPAWWQFGQTF TTHQNFDY*

CDS (coding sequence)

>PhEXPA-32

ATGGGGCAACGTTTCCTGCACCAGCTGCTGCTCGCCGTTCTTGCGCTCTGCTTATT
TGCACCGGCGAGATCGGACGAGTGGCTCCCGGCCACCGCCACGTTCTACGGTGGC
GCCGACGGCTCCGACACAATGGGCGGAGCGTGCGGGTACGGCAACCTGTACGAC
CAGGGATACGGCATCAACAACGCCGCGCTGAGCACGGCGCTGTTCAACGACGGC
GCGGCGTGCGGGCAGTGCTACGTGATCATCTGCGACACCAGCAAGTCCGGGTGGT
GCCGGCCGGGCAAGTGGGTCGCCGTCTCCGCCACCAACTTCTGCCCGCCCAACTG
GTCGCTCCCCGGCGGGCGGCTGGTGCGGCCCGCCTCGCCCCACTTCGACATGTCC
CAGCCCGCCTGGGAGAACATCGGCATCTACAGCGCCGGCATCATCCCCGTCTCT
ACCAACGGATCAAGTGCTGGAGGGACGGCGGCGTGCGGTTCAACATCGCCGGCT
TCAACTACTTCGAGCTGGTGCTGGTGACCAACGTGGCCGGGAGCGGCTCCATCCA
GAGCATGGCGGTGAAGGGCACCACCACGGATTGGATCCAGATGTCCAGGAACTG
GGGCGCCA ACTGGCAGTGCTCGCCGCGCTCGCCGGCCAGGGGCTCAGCTTCGCG
CTCACCTCCACCGGCGGCCAGACGATCGTCTTCCAGGACGTCTGTGCCGGCGTGGT
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Nucleotide

>PhEXPA-32

GCCTGACTTGAGGATTTGTCTCCTTGACATCAACTTTCCACTGATCCTAGCATTG
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