

IDENTIFICATION

Species: *Panicum hallii*

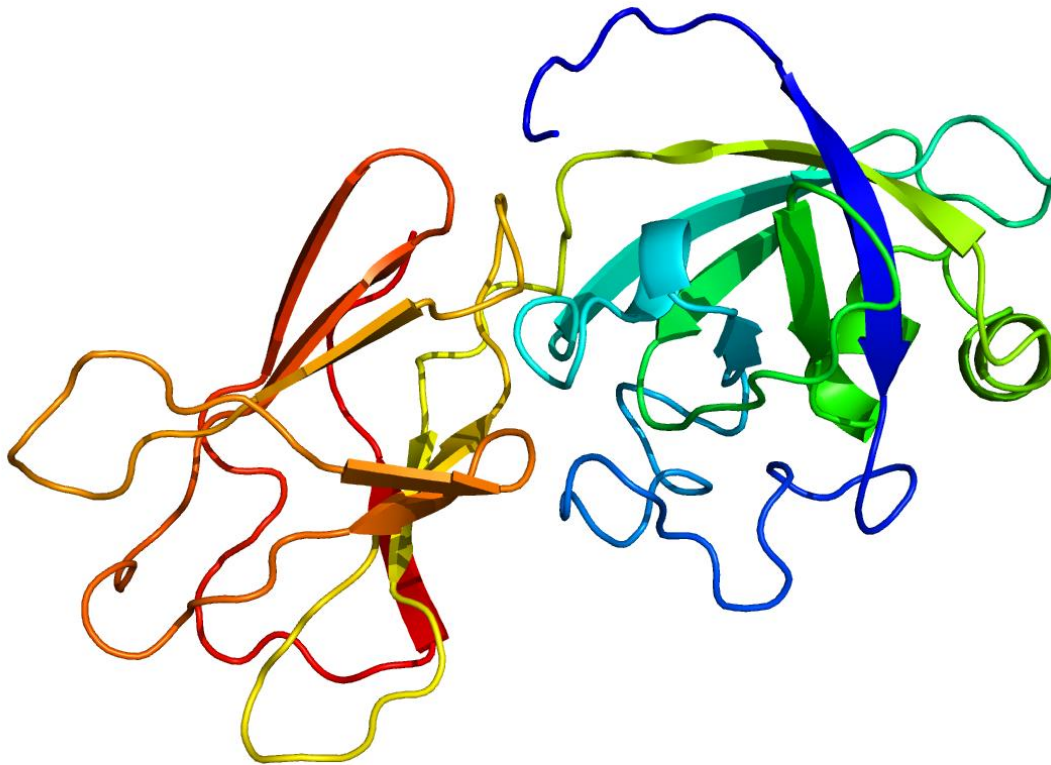
Locus: Pahal.9G388300

Gene Model: Pahal.9G388300.1.p

Description: PhEXPB-21

Family: Beta Expansin

3D structure:



GENOME DATABASES

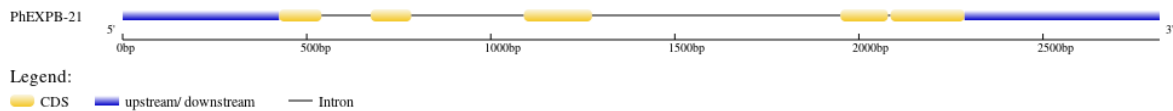
Phytozome: https://phytozome-next.jgi.doe.gov/info/Phallii_v3_1

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

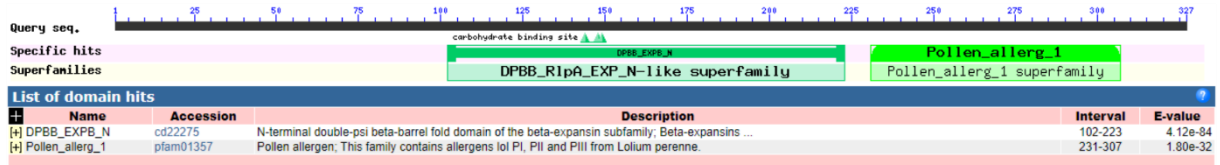
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhEXPB-21

MILPRISIDPAACPFLTIPAHNSFSCPLPGGSSTSYPRKCLASLSDLACSSASCLASKMASA
 MIAAKVASLTAALLIFSLLVTYGSCARPVSFNASFTADPNWEAARATWYGAPTGAG
 PYDDGGACGFKVNLPPFSSMTSCGNQPLFKDGKGCSCYQIRCTNHAACSGNPETV
 IITDMNYYPVSKYHFDLSGTAFGAMAKPGRNDEL RHAGIIDIQFKRVPCNYPGQKVTF
 HVEEGSNPMYLA VLVEFEDGDGDVVQVDLMEANSGSWAPMRESWGSIW RMSDNH
 RLQAPFSLRITNESGRKLVANRVIPANWAPNTYYRSIIQY*

CDS (coding sequence)

>PhEXPB-21

ATGATCCTTCCCCGGTCTATAAGTGACCCGGCAGCGTGCCCGTTCCTGACCATCCC
 AGCGCACAACTCCTTCTCCTGTCTGCCCGGTGGTAGTAGTACTAGCTACCCTCGCA
 AGCTTGCGAGCTTGTCCGACTTAGCTTGTAGCAGCGCTAGTTGCCTCGTAGTAA
 GATGGCATCCGCCATGATCGCCGCGAAGGTGGCCTCGCTTACTGCCGCACTACTG
 ATATTCTCGTCTTGGTACGATGGCTCGTGCGCTCGACCGGTGAGCTTCAACGC
 CTCCGCCTTACCGCCGACCCAACTGGGAGGCCGCCAGGGCCACCTGGTACGGC
 GCGCCACCGGCGCCGGCCATAACGACGACGGTGGCGCCTGTGGATTCAAGAAC
 GTTAACCTGCCGCCGTTCTCGTCCATGACGTCGTGCGGCAACCAGCCCCCTGTTC
 AGGACGGCAAGGGCTGCGGCTCCTGCTACCAGATACGATGTACCAACCACGCTG
 CGTGCTCCGGCAACCCGGAGACGGTGATCATCACCGACATGAACTACTACCCAGT
 GTCCAAATAACACTTCGACCTCAGCGGCACGGCCTTCGGCGCCATGGCAAAGCCC
 GGCCGCAACGACGAGCTCCGCCACGCCGGCATCATCGACATCCAGTTCAAGAGG
 GTGCCCTGCAACTACCCGGGCAGAAGGTGACCTTCCACGTCGAGGAGGGCTCG
 AACCCCATGTACCTGGCGGTGCTCGTTCGAGTTCGAGGACGGCGACGGCGACGTG
 GTGCAGGTGGACCTGATGGAGGCCAACTCCGGGTCTGTGGGCGCCGATGCGCGAG
 TCCTGGGGATCCATCTGGAGGATGGACTCCAACCACCGGCTGCAGGCGCCCTTCT
 CGCTGCGCATACCAACGAGTCCGGCAGGAAGCTGGTGGCCAACCGGGTCATCC
 CGGCCAACTGGGCGCCCAACACCTACTACCGCTCCATCATCCAGTACTAG

Nucleotide

>PhEXPB-21

GCAGGGCTAGGCAGGGGGGTGCTCGGCCCCGGCTCGGTGCGACTGGACTGAGCCC
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