

IDENTIFICATION

Species: *Panicum hallii*

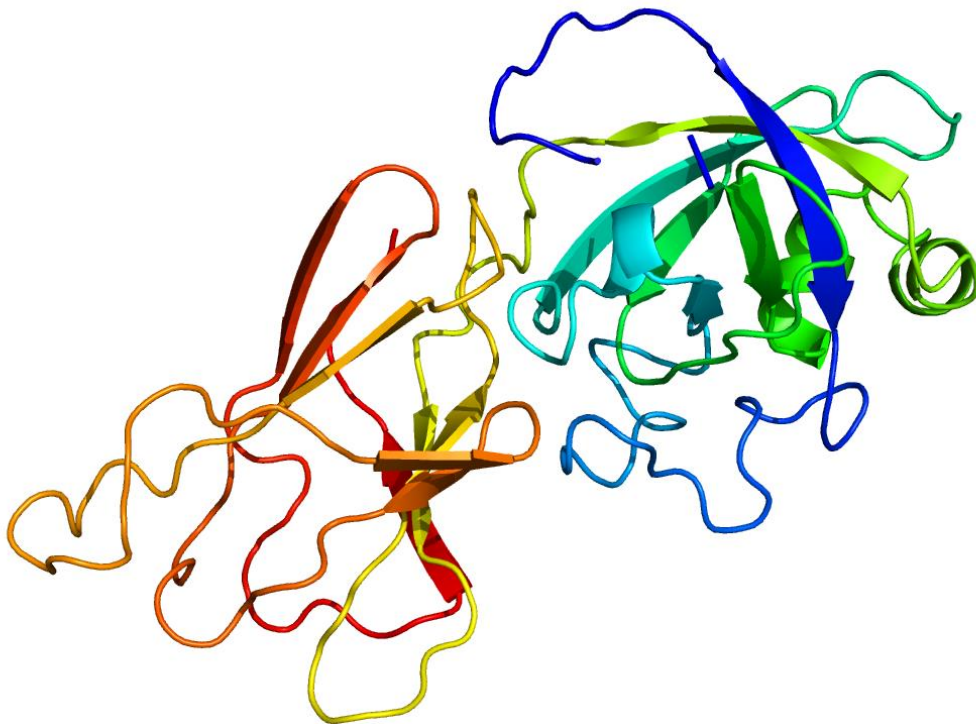
Locus: Pahal.9G388200

Gene Model: Pahal.9G388200.1.p

Description: PhEXPB-20

Family: Beta Expansin

3D structure:



GENOME DATABASES

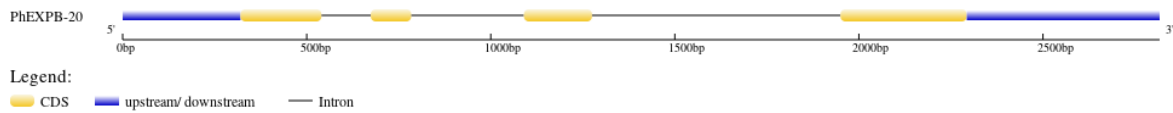
Phytozome: https://phytozome-next.jgi.doe.gov/info/Phallii_v3_1

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

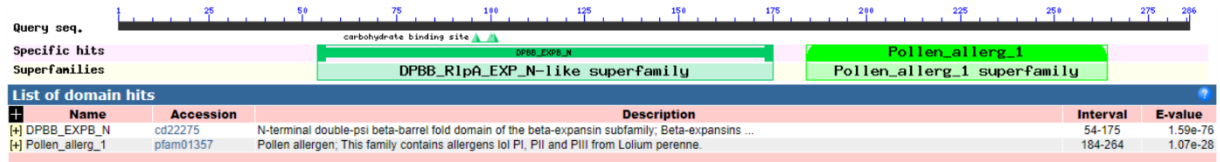
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhEXPB-20

MGAPSSLPAAAALLLLSLLAGVHCREAQLDVGGAAGAETYNASDAAVYWGPW
 QKARATWYGPNGAGPDDNGGACGFKHTNQYPFMSMGSCGNQPLFKDGGKCGSC
 YKIRCTKDKSCSGKAETVIITDMNYPVSKYHFDLSGTAFGRLLAKPGLNDKLRHSGII
 DIEFTRVPCEFPGLKIGFHVVEEYSNPVYFAVLVEYEDGDGDVVQVDLMESKTAHGPA
 TGRWTPMRESWGNVWRLDTNHRMQAPFSIRIRNESGKTLVAHNVIPANWRPNTFYR
 SFVQYS*

CDS (coding sequence)

>PhEXPB-20

ATGGGCGCCCCCTCCTCCCTCCCCGCCGCGGGCGGCTCCTGCTCCTGAGCCTCCT
 CGCCGGCGTGCACCTGCCGCGAGGCCAGCTCGACGTCGGCGGGCGCCGACGCGGC
 CGGCGCCGAGACCTACAACGCCAGCGACGCCGCGTGTACTGGGGCCCCTGGCA
 GAAGGCCCGCGCCACCTGGTACGGCCAGCCCAACGGCGCCGGCCCCGACGACAA
 CGGTGGTGCCTGCGGCTTCAAACACACCAACCAGTACCCGTTTCATGTCCATGGGG
 TCCTGCGGCAACCAGCCATTGTTCAAGGACGGCAAGGGCTGCGGCTCCTGCTACA
 AGATTCGGTGCACCAAGGACAAGTCCTGCTCCGGCAAGGCGGAGACGGTGATCA
 TCACCGACATGAACTACTACCCGGTGTCCAAGTACCACTTCGACCTCAGCGGCAC
 CGCGTTCGGCCGGCTCGCCAAGCCCGGCCTCAACGACAAGCTCCGCCACTCAGGC
 ATCATCGACATCGAGTTCACCAGGGTGCCGTGCGAGTTCCTCCGGGCCTGAAGATCG
 GTTTCACGTGGAGGAGTACTCGAACCCCGTCTACTTCGCGGGTGTCTCGTTCGAGTA
 CGAGGACGGCGACGGCGACGTGGTGCAGGTGGACCTGATGGAGTCGAAGACGGC
 GCACGGGCCGGCGACGGGGCGGTGGACGCCGATGCGCGAGTCCTGGGGCAACGT
 CTGGCGCCTCGACACCAACCACCGCATGCAGGCGCCCTTCTCCATCCGCATCCGC
 AACGAGTCCGGCAAGACGCTCGTCGCCACAACGTCATCCCGGCCAACTGGAGG
 CCCAACACCTTCTACCGCTCCTTCGTCCAGTACAGCTGA

Nucleotide

>PhEXPB-20

GCAGGGCTAGGCAGGGGGGTGCTCGGCCCCGGCTCGGTGCGACTGGACTGAGCCC
ACAGCCCAGGGCCATGTGCGCCCCAACATGGCACGTTCTCCCTCGCTCCTCTCTG
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