

IDENTIFICATION

Species: *Panicum hallii*

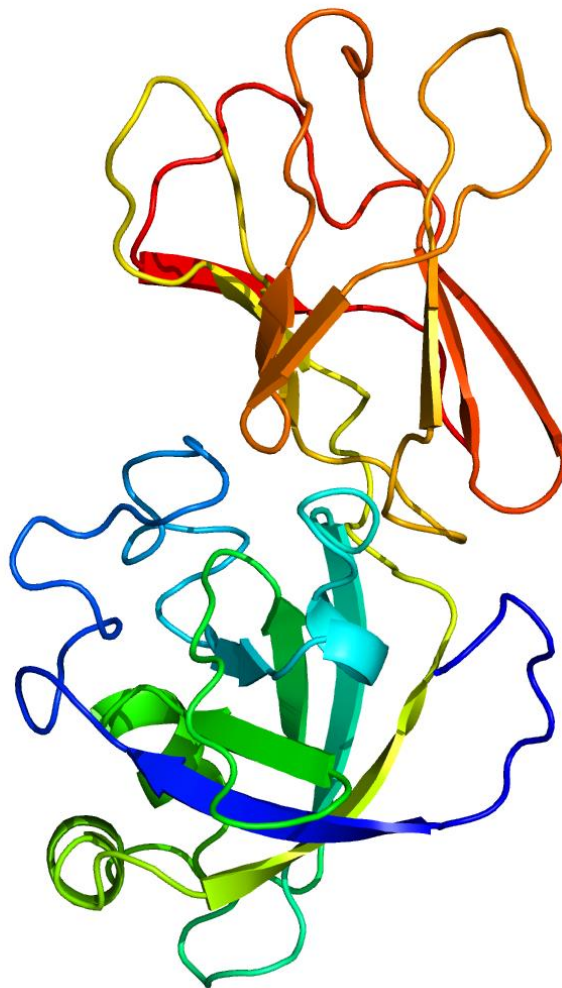
Locus: Pahal.9G641000

Gene Model: Pahal.9G641000.1.p

Description: PhEXPB-34

Family: Beta Expansin

3D structure:



GENOME DATABASES

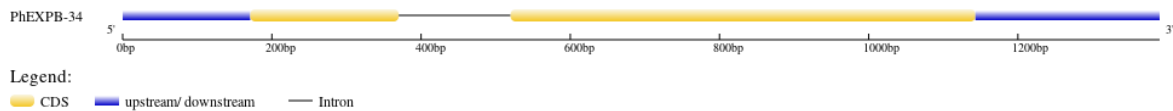
Phytozome: https://phytozome-next.jgi.doe.gov/info/Phallii_v3_1

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

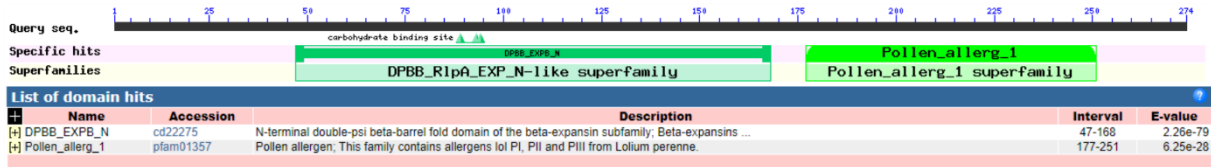
EXTERNAL RESOURCES

-

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhEXPB-34

MSSGGGGVPLTTTTMAVAVSSLLLLLGAGSAAVSYNDSSLMRMPMQWGSARATWY
GQPNGAGPYDNGGACGFKNVNQYPFLSMTSCGNQPLFRDGKGCSCYKIRCSKHPA
CSGRTQTVVITDMNYYPVAPYHFDLSGTAFGKLA KPGRNDDLRRAGIIDVQFARVPC
EFPG LKVG FHV EDGSSQVYFAVLVEYENG DGDVAQVDLREARSRRWTPMRQSWGS
VWRLDSNHRLQPPFSIRLRSDSGKTLVAPDVIPVNW RPNTFYRSFVQYSS*

CDS (coding sequence)

>PhEXPB-34

ATGAGCTCTGGCGGCGGCGGTGTGCCGCTGACGACGACGACGATGGCGGTGGCC
GTCTCTTCCCTGCTGCTGCTCCTGGGCGCCGGCTCCGCGGCCGTGAGCTACAACG
ACTCATCCTTGATGCGGATGCCGATGCAGTGGGGAAGCGCCAGGGCCACCTGGTA
CGGCCAGCCCAACGGCGCAGGCCCATACGACAACGGCGGCGCTTGCGGCTTCAA
GAATGTGAACCAGTACCCCTTCCTGTCCATGACCTCCTGCGGCAACCAGCCGCTG
TTCCGCGACGGCAAGGGCTGCGGCTCCTGCTACAAGATCAGGTGCTCCAAGCACC
CCGCTGCTCCGGCCGCACCCAGACGGTCGTCATCACCGACATGA ACTACTACCC
CGTCGCGCCCTACCACTTCGACCTCAGCGGCACCGCCTTCGGCAAGCTCGCCAAG
CCCGGCCGCAACGACGACCTCCGCCGCGCCGGCATCATCGACGTCCAGTTCGCCA
GGGTGCCCTGCGAGTTCCCCGGCCTCAAGGTCGGCTTCCACGTGAGGACGGCTC
CAGCCAGGTCTACTTCGCCGTGCTCGTTCGAGTACGAGAACGGCGACGGCGACGTG
GCGCAGGTGGACCTCAGGGAGGCCCGGAGCCGCCGCTGGACGCCCATGCGCCAG
TCCTGGGGATCCGTCTGGCGCCTCGACTCCAACCACCGCCTGCAGCCGCCCTTCTC
CATCCGCTGCGCAGCGACTCCGGCAAGACGCTGGTGGCACCAGACGTCATCCCC
GTCAACTGGAGGCCCAACACATTCTACAGATCATTCGTCCAGTACTCCTCCTAG

Nucleotide

>PhEXPB-34

CCATCCATCCATCACCGGCTCCAACACACAGGTCCGGTAGACTCCGATCGATCCTC
TCCTCCCTCCCTCTCCTATCCGGCCGGCCGGCCGCTAGATCCATCCATCCATCCGT
CGTCTCTGCGCGCGGCCTAGCTAGCTGCTGGAAACGATCGAATTGAAGCAGATCA

