

IDENTIFICATION

Species: *Panicum hallii*

Locus: Pahal.1G334700

Gene Model: Pahal.1G334700.1.p

Description: PhEXPB-02

Family: Beta Expansin

3D structure:



GENOME DATABASES

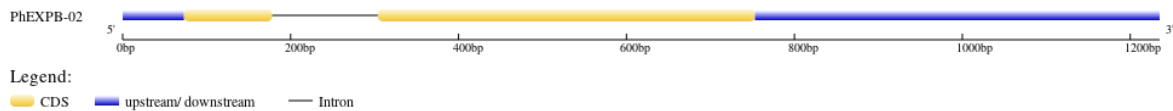
Phytozome: https://phytozome-next.jgi.doe.gov/info/Phallii_v3_1

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

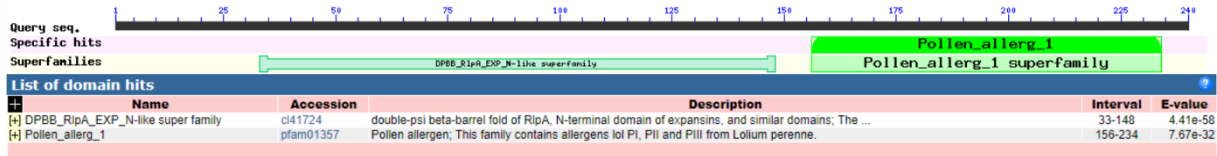
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhEXPB-02

MASKIQVWSRFIASVALACLLGPGAPAELSAGWSDNAGATWYGAPNGAGSDGGAC
 GYQNAVDQPPFLLHGHGKGCSCYQVKYTEHASCSGTPVTVVLTDDEYPDGACQREP
 VHFDSLGTAFGAMAMPGDAEQLRNAGRLRVQYTRVPCNWHGMDIAFKVDAGSNPY
 YLAVLIEYEAGDGLRSVERKQSGGGGAAWAPMQQSWGAVWKHNSGAGLRAPFSI
 RLTSGSGSTLVADKVIPG*

CDS (coding sequence)

>PhEXPB-02

ATGGCTTCCAAGATCCAGGTCTGGTCTCGTTTCATAGCCTCTGTGGCTCTCGCCTG
 CCTCCTTGGTCCCGGCGCGCCCGCTGAGCTCTCCGCCGGCTGGTCCGACAACGCT
 GGCGCGACGTGGTACGGCGCACCAAACGGAGCTGGGAGCGATGGTGGCGCGTGC
 GGGTACCAGAACGCCGTGGACCAGCCGCCGTTTCTCCTCCATGGTCACGGCAAAG
 GCTGCGGCTCCTGCTACCAGGTGAAATACACCGAGCACGCGTCGTGCTCCGGCAC
 CCCGGTGACCGTGGTCCTGACGGACGAGTACCCCGACGGCGCGTGCCAGCGGGA
 GCCCGTTCACTTCGACCTGAGCGGCACGGCGTTCGGCGCCATGGCGATGCCCGGC
 GATGCCGAGCAGCTCCGCAACGCCGGCCGCCTCAGGGTCCAGTACACTCGGGTGC
 CGTGCAACTGGCACGGGATGGACATCGCGTTCAAGGTGGACGCCGGCTCGAACCC
 CATACTACTTGGCGGTGCTGATCGAGTACGAGGCCGGGGACGGCGACCTGCGGTC
 CGTGGAGCGCAAGCAGAGCGGCGGGAGGCGCGGCGTGGGCGCCGATGCAGC
 AGTCGTGGGGCGCGGTGTGGAAGCACAATTCGGGGCGCCGGCCTGCGGGCGCCCT
 TCTCGATCCGCCTCACCTCCGGCTCCGGCAGCACGCTCGTCGCCGACAAGGTCAT
 CCCGGGGTGA

Nucleotide

>PhEXPB-02

ATGACAGCAGTTAGAGCTTTCGCCGTCGCGCTGTTTCGCACTCGGCTGGGCGCTGG
 CCGTGGCCGCGGACAACGTCACGACCAGCTCGTCGTCGTCCTCCGGCGCCGGCGCC
 GCCTCCGGCCGTGTGGCAGCGGGGGCACGCGACGTTCTACGGCGGAGCAGATGC
 CTCCGGGACCATGGGTAAGTACCCGATTTTGCTTCATCTAGCTTCGATTCTACAT
 TCATATATGTGTCGCTGATGATGACGTGCGTACGTGTAAATAACGGCAGGCGGCG

CGTGCGGGTACGGCAACCTGTACTCGCAGGGCTACGGGTCGCGCACGGCGGGCGC
TGAGCACGGTGCTCTTCCAAGACGGTGCTTCCTGCGGGCAGTGCTACAAGATCGC
GTGCGACCGCAAGACGGACCCGACGTGGTGCCGGCCCGGCGTGACGGTCACCGT
CACTGCCACCAACTTCTGCCCGCCAACTGGGAGCTCCCCGACGGCGGGTGGTGC
AACACGGCGCGGCCCACTTCGACATGGCGCAGCCAGCGTGGGAGAAGATCGGC
GCCGACACCCGCGCCGGCATCATCCCCGTCATCTACCAGAGGGTCCCGTGCGCGA
GGAGGGGCGGGGTGAGGTTACCATCAACGGGCACGACTACTTCAACCTGGTGC
TCGTGACCAACGTCGCCGCGGCTGGCTCCATCAAGTCCATGGACGTCAGGAGCTC
CGACTCGGCCGACTGGCAGCCGATGGCGCGGAACTGGGGCGCCAACCTGGCACTC
CCTGGCGTACCTCAGCGGGAAGAGGCTCTCGTTCAGGGTGACCACCACGGATGGC
CAAACCCTCGAGTTCACGAACGTAGTGCCGCCTGGATGGACGTTTCGGCCTCACAT
TCGCAAGCAACTTGCAGTTCAAATAAGAACTTCGTTGGGATTTACCTGTTATTGAT
GATCCGAGGGAATCAAATCCGTATACACTGTGAAAAAAAAATGGTCTTAATAAGTT
GTCATGTTGTACACTACTTGAGACGACACTGGCAGCATGCTGCGTGTGTGTATA
TATACCCAATTGCAGAATTGAATTGTAACCTCTGGTTTTATTTATTTTTATTGTATA
TACATTTATATATACACCAAGCGGGTCGGTCTGAATTGCAACTAGTTCGCGTCCA
GTTGCAACAGGTTACAGCCTAGTTGCAATCAGTTCGGTCTAGTTGCAATCCATGTA
GTCTCTCGGTTGTAACAGAAGATTGG