

IDENTIFICATION

Species: *Panicum hallii*

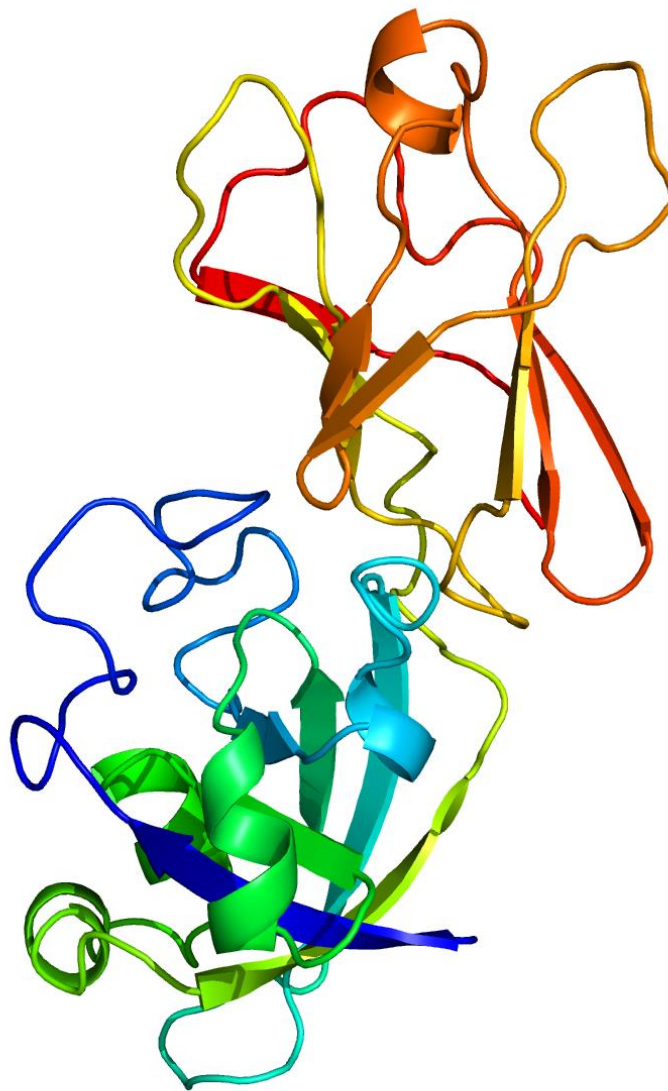
Locus: Pahal.1G334900

Gene Model: Pahal.1G334900.1.p

Description: PhEXPB-04

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>

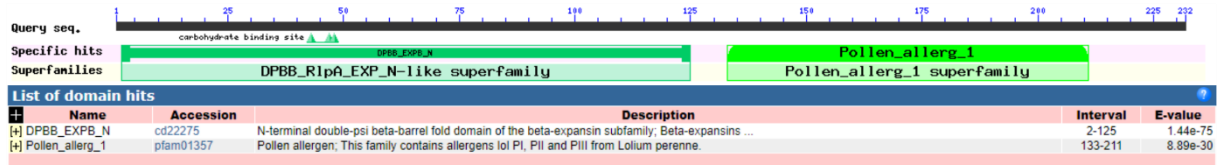
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhEXPB-04

GWLSAGATYYGAPNGDGSDDGACGYQTA V GQRPFSSMIAAGSPSLFKGGKGCAC
 YEVKCDNPACSGQPATVVITDECPAGVCLAEAAHFDMSGTSMGAMAKPGMADRL
 RAAGILKVQYKRVPCKYSGVNIAFQVDQGSNPFYFEVLVEFEDGDGDLSAVHLMEA
 GCSTWTPMVQNW GALWRYNSNTGKALRAPFSIRLTSDSGKVLVANNVIPASWKAG
 ATYRSLVNYS*

CDS (coding sequence)

>PhEXPB-04

ATGGCGAAGTCCTACACCTTACTGTTTCGGCGCGCTGGTCGTGCTCGGGCTTCTAGT
 GAGCCCCATTGCTTGCACCCGCAAGCTCGCCAAGCCAAACAGGCACAGGCGGCC
 GGCGCACAGGCCGGCAGTGAGGGCCCGCAGCAACCACACCGCTACCCCCTCGGC
 CTCCTACGCCTACGGCTCCGGCGGCTGGCTGTCCGCCGGCGCGACGTACTACGGC
 GCGCCCAACGGCGACGGCAGCGACGGCGGCGCGTGC GGCTACCAGACTGCCGTC
 GGCCAGCGGCCGTTCTCGTCGATGATCGCCGCCGGGAGCCCGTCTCTGTTCAAGG
 GAGGCAAGGGATGCGGCGCCTGCTACGAGGTTAAATGCGACAGCAACCCGGCGT
 GCTCCGGGCAGCCGGCGACCGTGGTCATCACCGACGAGTGCCCCGCCGGGGTCTG
 CCTCGCTGAGGCGGCCACTTCGACATGAGCGGCACCTCCATGGGCGCCATGGCG
 AAGCCCGCATGGCCGACAGGCTCCGCGCCGCCGAATCCTCAAGGTCCAGTAC
 AAGAGGGTGCCGTGCAAGTACAGCGGCGTGAACATCGCCTTCCAGGTGGACCAG
 GGCTCCAACCCGTTCTACTTCGAGGTGCTGGTCGAGTTCGAGGACGGCGACGGCG
 ACCTCAGCGCCGTCCACCTGATGGAGGCTGGCTGCAGCACCTGGACGCCGATGGT
 GCAGAACTGGGGCGCGCTGTGGCGCTACAACTCCAACACCGGCAAGGCGCTGAG
 GGCGCCATTCTCGATCCGGCTTACCTCCGACTCCGGCAAGGTCCCTCGTCGCCAAC
 AACGTCATCCCCGCCAGCTGGAAGGCCGGAGCCACGTACCGCTCCTTGGTGAAC
 ACTCTTAA

Nucleotide

>PhEXPB-04

ATGGCTTCCAAGATCCAGGTCTGGTCTCGTTTCATAGCCTCTGTGGCTCTCGCCTG
CCTCCTTGGTCCCGGCGCGCCCGCTGAGCTCTCCGCCGGCTGGTCCGACAACGCT
GGCGCGACGTGGTACGGCGCACCAAACGGAGCTGGGAGCGATGGTAAGTGTCGA
CGCATGAGCACATATGAAAGATGAAAACCTGCACGTAGTGTTCTGCGTTCCCTAGC
AAAATTACTTTTTATTCTCGAATTCCTAGTAATGCTAGCGGGCGTACGTGCATGTC
GATTTTTTGTGTAGGTGGCGCGTGCGGGTACCAGAACGCCGTGGACCAGCCGCCG
TTTCTCCTCCATGGTCACGGCAAAGGCTGCGGCTCCTGCTACCAGGTACAGTTCGT
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CCAAATGACGCCGCCCGCTTGTGTTGGGTAAAACAAAATTTCTCCAGGTGAAATA
CACCGAGCACGCGTCGTGCTCCGGCACCCCGGTGACCGTGGTCTTGACGGACGAG
TACCCCGACGGCGCGTGCCAGCGGGAGCCCGTTCACTTCGACCTGAGCGGCACGG
CGTTCGGCGCCATGGCGATGCCCGGCGATGCCGAGCAGCTCCGCAACGCCGGCC
GCCTCAGGGTCCAGTACACTCGGTAAGCTAGCTACCGCCCGCATGCACGTACCGG
TCAGAGTCGTAGATAAATAGTACTTCGACATGTACTCAGGGTGGCGGTGCACGA
TAGAAACATTCTTGTCCTTTGTGCACGCAGGGTGCCGTGCAACTGGCACGGGATG
GACATCGCGTTCAAGGTGGACGCCGGCTCGAACCATACTACTTGGCGGTGCTGA
TCGAGTACGAGGCCGGGGACGGCGACCTGCGGTCCGTGGAGCGCAAGCAGAGCG
GCGGCGGAGGCGCGGCGTGGGCGCCGATGCAGCAGTCGTGGGGCGCGGTGTGGA
AGCACAATTCGGGCGCCGGCCTGCGGGCGCCCTTCTCGATCCGCCTCACCTCCGG
CTCCGGCAGCACGCTCGTCGCCGACAAGGTCATCCCGGGGTGATGGACCCCGGC
GGCACGTACCGCTCGGTCCTCAACTTCAAGTCT