

IDENTIFICATION

Species: *Panicum hallii*

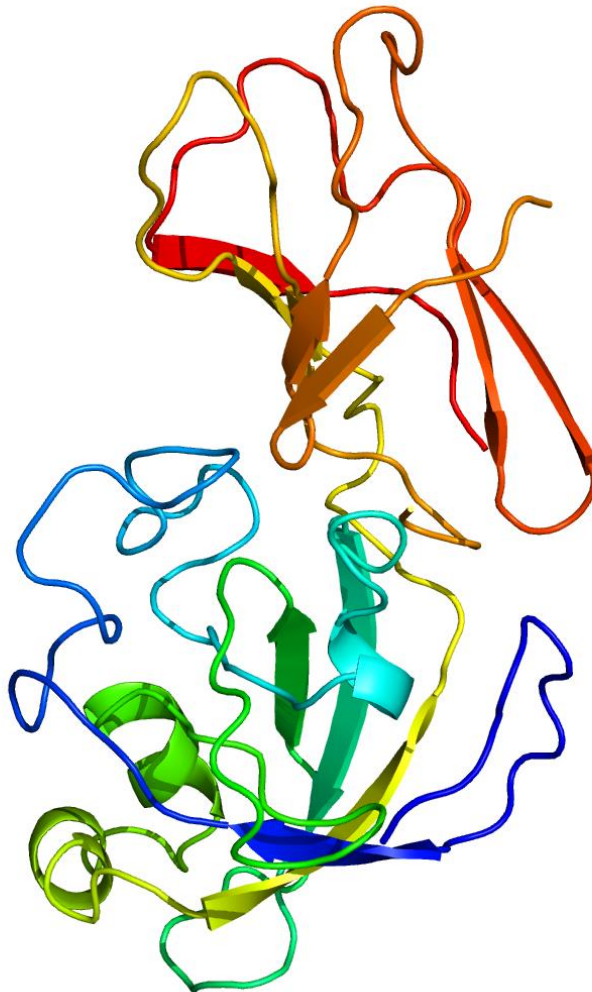
Locus: Pahal.2G116000

Gene Model: Pahal.2G116000.1.p

Description: PhEXPB-08

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>

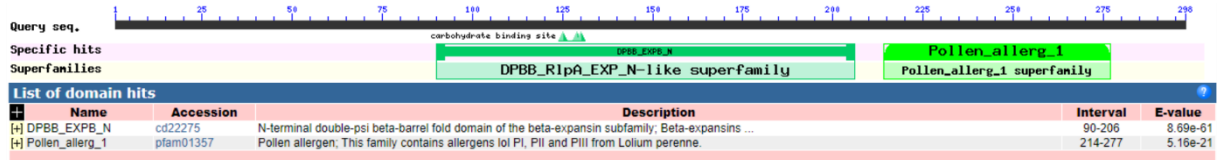
EXTERNAL RESOURCES

-

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhEXPB-08

MAKPSYTLLLGAMVVVLSLLLSPACFRKLTkPTPTPTNYNFKLAASSQPKSISHERP
QPTTVPKPRSNHAASPPAAAAGCGGAGATYYGAPNGDGSEGGACGYGTAVGKRP
FSSMIAAGSTPLYRGGQGCGACYEVKCASNAACSGQPVTVVITDDPPAGCSPA AHFD
MSGAAMGAMTRRG MADRLRAGGVLRVQYMRVMPCRYPGMSVAFRVDQGANPFY
FDVLVEFEGGDGDLKPMAHNWGATWRLNNGRKL RAPFGLRLTSGSGRILVVNDAIP
AAWKAGKTYRSQVNYP*

CDS (coding sequence)

>PhEXPB-08

ATGGCGAAACCTTCTTACACATTACTGTTGGGCGCAATGGTGGTGGTGCTCTCGC
TTCTGTTGAGCCCCATTGCTTGCTTCCGGAACTCACAAAGCCAACGCCCTACGCC
GCCGACCAACTACA ACTTCAAGCTAGCTGCATCGTCCCAGCCAAAGTCGATCAGC
CACGAGCGGCCG CAGCCAACTACTGTTCCAAAGCCACGCAGCAACCACGCCGCT
AGCCCCTCGCCGCCG CAGCGGCGGCTGGTTGTGGGGGCGCCGGGGCGACGTAC
TACGGCGCCCCCAACGGTGATGGGAGCGAAGGTGGCGCGTGCGGCTACGGGACC
GCCGTCGGGAAGCGGCCATTCTCGTCGATGATCGCCGCCGGGAGCACGCCGCTGT
ACAGGGGAGGCCAGGGCTGCGGCGCCTGCTATGAGGTCAAATGCGCGAGCAACG
CGGCCTGCTCCGGCCAGCCGGTGACCGTCGTCATCACGGACGATCCCCGGCGGG
CTGTTCCCCGGCCGCCCACTTCGACATGAGCGGCGCTGCCATGGGCGCCATGACG
AGGCGCGGCATGGCCGACAGGCTCCGCGCCGGCGGCGTGCTCAGAGTCCAGTAC
ATGAGGGTGATGCCGTGCAGGTACCCCGGCATGAGCGTCGCGTTCAGGGTGGAC
CAGGGCGGAACCCGTTCTACTTCGACGTGCTGGTCGAGTTCGAGGGCGGCGACG
GCGACCTCAAACCCATGGCGCACAACTGGGGCGCGACGTGGCGCCTCAACAACG
GCAGGAAGCTCAGGGCGCCGTTCCGGGCTCCGGCTCACCTCCGGCTCCGGCAGGAT
CCTCGTCGTCAACGACGCCATCCCGGCCGCATGGAAGGCCGGGAAGACGTACCG
CTCCCAGGTCAACTACCCCTGA

Nucleotide

>PhEXPB-08

AAGCTCACCGGAGAGCAACCGAGCACATAGCTAGAAAGCCTCTGAAATCTGAAT
TGCCAACTCCGATCTTAGGAGCAGCAGCAATGGCGAAGCTTTTCACATTGCTGTT
GGCCGCGGTGGTTCGTGCTCTCGCTCCTGGTGAGCCCCATTGCCTGCACCCGCAAG
CTCAGCAAGCCCAAGCACAAAGGCAAAGCCAAAGCCGGTCAGCCACAGGACGCCG
GCGCCTGCGGCCAAGCCGAAGCCGAACCCGGTCAGCTACAAGCCGGGCGGCCT
GCTGTGGCCAAGCCTCCCCGCAGCAACCACACCACTAAGCACTCGCCGTCGATCG
TCTACGGCGGTGCCTGGCTGTCCGGCGCCGGCGCCACGTAACGCGCGCCCAA
TGGCGACGGCAGCGACGGTCAGTACTTGCTTCCCGCTTTATTATTTCTTCGCTGT
CGGTGGGTAGTGAATTGACATGGGAATGATCAATGGCGGAAATTGTGAACGCA
GGCGGCGCGTGCGGGTACCAGACCGCCGTCGGGAAGCAGCCGTTCTGACTCGATG
ATCGCCCGCGGGAGCACGCCGCTGTACATGGACGGCGAGGGCTGCGGCCCTGC
TATGAGGTACGTCTATCGGCTGCGTGCTGCGGAGTTGCCGGCTGCCTCTGCCTGC
CTGGTTCTCGCTAAACAATGCGTCCCTGTTGTGCAGGTTAAATGCACGACCAACG
CGGCATGCTCCGGCCAGCCGGCGACCATTGTGATCACCGACCGGTCCCCCGGCGA
CCTGTTCCCCGGCGAGGTCGTCCACTTCGACATGAGCGGCACCGCCATGGGCGCC
ATGGCGAAGCCCGGCATGGCCGACAAGCTCCGCGCCGGCGGCGTCCTGAGGATC
CTGTACCGGAGGGTGCCGTGCAAGTACCCCGGTGTGAACGTCGCGTTC AAGGTGG
ACCAGGGTGCCAACCCCTTCTACTTCGACGTGCTCATCGAGTTCGAGGACGACGA
CGGCGACCTCAAGGCCGTCGACCTGATGGAGGCCGGCAGCAACGTGTGGACGTC
CATGGCGCACAACTGGGGCGCCACGTGGCGGCTCAACAACGGCAGGAAGCTCAA
CGCGCCGTTTCGGCCTCCGGCTTACCTCCGACTCCGGCAGGGTGCTCGTCGCCAAC
AACGCCATCCCCGCCGCGTGGAAGCCCGGGAAGGCGTACCGCTCCCTGGTCAACT
ACCCCTGAAAAGAGGGGAGTTGGAGGAGTCCATGGCGGGCAATGTGCGTCCGGAT
GTCGCGAGAGGCAGCAATGTCAGAAGTCTGAAGAGGAAGAGGAGGAGGAGGTT
GAAGAAGAGAATGGCGTTCTTCCCTCCCTCCACGGTCTCAGTGTATGCAGTCCC
AAGTGATGTGTGACTGTGTGAGCCATGACTGTAATTTTCATTTTTTTTCCATTCCG
ATTTGTTAGTTGGTGCTGTACTCGAGGAAAGGGAGAAGCTTGTCTGAGTTGTGTG
TTTTGACGTTTTTTCGACAATGAACTAGACCTTTCAGAATTCTGAGAAATGAATCAC
AGCTTCGTTGTGACAGTAA