

IDENTIFICATION

Species: *Panicum hallii*

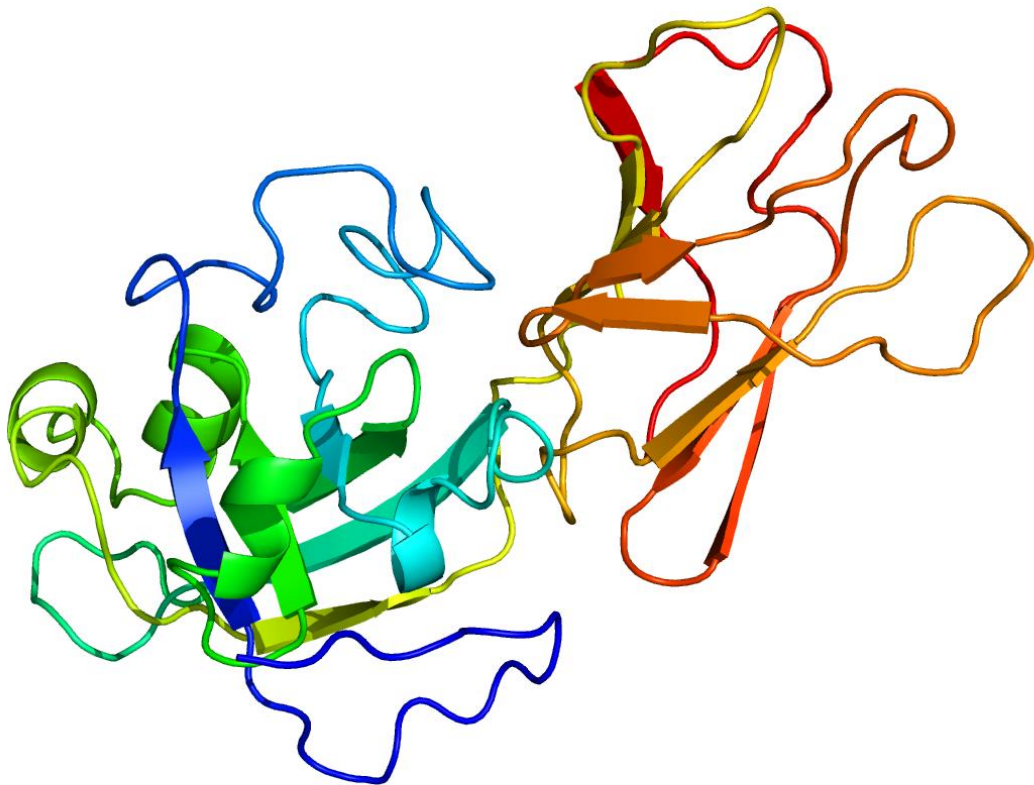
Locus: Pahal.2G115200

Gene Model: Pahal.2G115200.1.p

Description: PhEXPB-07

Family: Beta Expansin

3D structure:



GENOME DATABASES

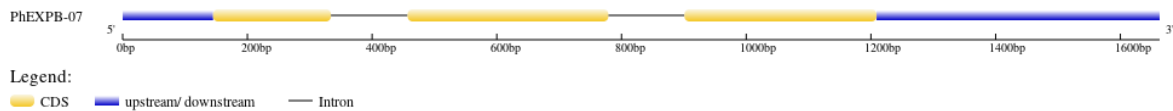
Phytozome: https://phytozome-next.jgi.doe.gov/info/Phallii_v3_1

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

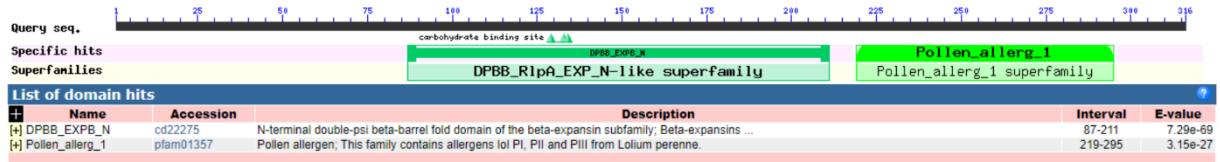
EXTERNAL RESOURCES

-

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhEXPB-07

MAKLFTLLLA AVVVL SLLV SPIACTRKL SKPKHKAKPKPVS HRTPAPAAKPKPNVSY
 KPAAPAVAKPPRSNHTTKHSPSIVYGGAWLSGAGATYYGAPNGDGDGSDGGACGYQTA
 VGKQPFDSMIAAGSTPLYMDGEGCGACYEVKCTTNAACSGQPATIVITDRSPGDLFP
 GEVVHFDMSGTAMGAMAKPGMADKLRAGGVLRILYRRVPCKYPGVNVAFKVDQG
 ANPFYFDVLI EFEDDDGDLKAVDLMEAGSNVWTSMAHNWGATWRLNNGRKLNAPF
 GLRLTSDSGRVLVANNAIPAAWKPGKAYRSLVNYP*

CDS (coding sequence)

>PhEXPB-07

ATGGCGAAGCTTTTACATTGCTGTTGGCCGCGGTGGTCGTGCTCTCGCTCCTGGT
 GAGCCCCATTGCCTGCACCCGCAAGCTCAGCAAGCCCAAGCACAAGGCAAAGCC
 AAAGCCGGTCAGCCACAGGACGCCGGCGCCTGCGGCCAAGCCGAAGCCGAACCC
 GGTCAGCTACAAGCCGGCGGCCTGCTGTGGCCAAGCCTCCCCGCAGCAACCAC
 ACCACTAAGCACTCGCCGTCGATCGTCTACGGCGGTGCCTGGCTGTCCGGCGCCG
 GCGCCACGTACTACGGCGCGCCAATGGCGACGGCAGCGACGGCGGGCGCGTGC
 GGTACCAGACCGCCGTCGGGAAGCAGCCGTTGACTCGATGATCGCCGCCGGGA
 GCACGCCGCTGTACATGGACGGCGAGGGCTGCGGCCGCTGCTATGAGGTTAAT
 GCACGACCAACGCGGCATGCTCCGGCCAGCCGGCGACCATTGTGATCACCGACC
 GGTCGCCCGGCGACCTGTTCCCGGGCGAGGTCGTCCACTTCGACATGAGCGGCAC
 CGCCATGGGCGCCATGGCGAAGCCCGGCATGGCCGACAAGCTCCGCGCCGGCGG
 CGTCCTGAGGATCCTGTACCGGAGGGTGCCGTGCAAGTACCCCGGTGTGAACGTC
 GCGTTCAAGGTGGACCAGGGTGCCAACCCCTTCTACTTCGACGTGCTCATCGAGT
 TCGAGGACGACGACGGCGACCTCAAGGCCGTCGACCTGATGGAGGCCGGCAGCA
 ACGTGTGGACGTCCATGGCGCACAACTGGGGCGCCACGTGGCGGCTCAACAACG
 GCAGGAAGCTCAACGCGCCGTTCCGGCTCCGGCTTACCTCCGACTCCGGCAGGGT
 GCTCGTCGCCAACAACGCCATCCCCGCCGCGTGAAGCCCGGGAAGGCGTACCG
 CTCCTGGTCAACTACCCCTGA

Nucleotide

>PhEXPB-07

CCAGCCCCCACCCTCGCCGCGCCGCAGCCCCGCCACCGTTCCCCCTCTCGCCCTC
CACCCCCACCGTCGCCCCACCCCCTCTCCGCGCCATGGCGACTCGGCAAGCAACC
GTCCTCACGGCCCTCCTCCTCGCCTCGCTGCTCCCGCTGGCGCTCTCGCGCGGGCT
GGGGCTCGGGCGCGGGCATGTGCGGCCGCACGCGCACGGGGTGGGGCTCGGGCG
CCGTCACGCCCAGCCGCACCCGCAGCCGCACGGGCACGCCCCGCTCGGGGGCGG
CGGGTGGTCCTCGGCCACGCCACCTTCTACGGCGGGCGGCGACGCGTCCGGCACC
ATGGGTACGTCCGCTCTAGGCTCTAGCTAACCATTGACCCCCATGCTCGTCACCT
TCCGGTCTAGATTACAAAGCTCGCAACTCTCGTTTGGACTAAAATTTTCTATCTG
GATTCGTCTGTGCAGGAGGCGCTTGCGGGTACGGCAACCTGTACAGCCAGGGGTA
CGGCACCAACACGGCGGGCGCTGAGCACAGCGTCTTCAACAACGGCCTCAGCTG
CGGCGCCTGCTTCGAGGTCCGGTGCGAAGCCGCCGGGGGCGGGAGCCACTCCTG
CCTGCCTGGCTCCGTCGTCGTCACGGCCACCAACTTCTGCCCGCCCAACAACGCG
CTCCCGTCCGACGACGGCGGTGGTGCAACCCGCCGCGCGCCCACTTCGACATGT
CGCAGCCCGTATTCCAGCGCATCGCGTCTACAGGGCCGGCATTGTCCCCGTCTC
CTACCGCAGGTCTGTAGTAAAGCTGGTTCCTTTTTATGCTTGAATTTCCCTTTCTCC
TTTGGATAAACAAGAGGAATTCGCGCAGATCTGACAATGTAGTATCAATTATTT
TGTTTGCTCTGCCCTGCAGGGTTGCGTGCAACAAGAAGGGCGGCATCCGGTTCAC
CATCAACGGCCACTCCTACTTCAACCTGGTGCTGGTCACCAACGTGGGCGGGCGCC
GGCGACGTGCACGCGGTGGCCGTCAAGGGTGACCGTCCCCGGGGTGGCAGGCG
ATGTCCCGCAACTGGGGCCAGA ACTGGCAGAGCAACACGCTCCTCGACGGCCAG
GCCCTCTCCTTCCGCGTCACCACCGGCGACGGCCGCTCCGTGGTCTCCACCAACG
CCGCCCCCGCGGGCTGGTTCGTCGTCGCGCCAGACCTTCAGCGGGGCCAGTTCAACTG
AACCTCCACCCACCACCATCGCCGCTGCGTCTCCTCGACGCGCGAGTAGTAGCAGTA
CTAGTAGTGGATGGTTCGTAGTAGTTCCTTCTACGTCTCCCCCAATTGCAACTTGCT
GGGAGGCGCCATGGTTTTATGAGTGGCGCATCTCACATTGGTTCTTGGGAATTAC
CGGTAGTTTAGGCCGAGTAAGCATGGGTTTTATCGTGCTGGTGTGAGCCTAGAGT
CAGTGTTCTTGGTTGTTTCGGCTAGGGAATTGGAGGTGGTGGTAAAGGCTTGGC
TTGGAGATTAATGGCGGCCCGCCTTGTATCACCCGCCAATCAGCGTTTTGGGCCTC
ATGGTGATGGCCAAAACCTCTTGGAGAGATGAGATGAGATGTTTTGTGTGGTGAA
AGTGTGCTGGTTGTTGTAATGAACCTTATCAAGTTATCCTTCAGAACGGCTTAATT
TGTGTTGGTAC