

IDENTIFICATION

Species: *Panicum hallii*

Locus: Pahal.9G639200

Gene Model: Pahal.9G639200.1.p

Description: PhEXPB-31

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>

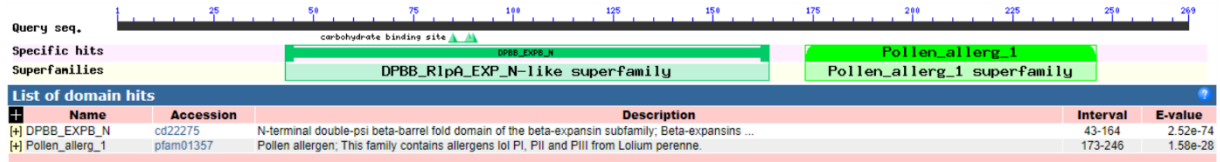
EXTERNAL RESOURCES

-

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhEXPB-31

MAAASTHLVAVAVVLAALVGGAWCGPPKVPPGKNISADCDGKWLEAKATWYGKP
TGAGPDDNGGACGYKEV NKAPFNSMGACGNSPIFKDGLGCGSCYEIKCDKPAECG
EPVIVYITDMNYEPIAA YHFDLAGTAFGAMA KKGEEKLRKAGIIDMQFRRVKCKYP
ADTKIAFHVEKGCNPNYLALLLKYAAGDGDIVGVDIKEKGAKEYQSLKHSWGAIWR
MDTPKPIKGPISIRITSEGGKTLEQEDVIPEGWKPD TLYPSKLQF*

CDS (coding sequence)

>PhEXPB-31

ATGGCGGCGGCGTTCGACGCATCTTGTGCGGTGGCGGTGGTGCTCGCGGCGCTGG
TGGGCGGCGCATGGTGC GGTCGCCCAAGGTTCCCCGGGCAAGAACATCTCGGC
AGACTGCGACGGCAAGTGGCTGGAGGCCAAGGCGACGTGGTACGGCAAGCCGAC
AGGCGCGGGGCCTGACGACAACGGCGGCGCCTGCGGGTACAAGGAGGTGAACAA
GGCTCCCTTCAACAGCATGGGGGCGTGCGGCAACTCGCCCATCTTCAAGGACGGC
CTCGGCTGCGGCTCCTGCTACGAGATCAAGTGC GACAAGCCCGCCGAGTGCTCCG
GCGAGCCCGTCATCGTCTACATCACTGACATGAACTACGAGCCCATCGCCGCTA
CCACTTCGACCTGGCCGGCACGGCCTTTGGAGCCATGGCCAAGAAGGGGGAGGA
GGAGAAGCTGCGCAAGGCGGGCATCATCGACATGCAGTTCCGCCGCGTCAAGTG
CAAGTACCCG GCCGACACCAAGATCGCCTTCCACGTCGAGAAGGGCTGCAACCC
CAACTACCTTGCGCTGCTCCTCAAGTACGCTGCCGGCGACGGCGACATCGTCCGC
GTCGACATCAAGGAGAAGGGCGCCAAAGAGTACCAGTCCCTGAAGCACTCTTGG
GGCGCCATCTGGAGAATGGACACCCCGAAGCCGATCAAGGGCCCTATCTCCATCC
GCATCACCAGCGAGGGAGGCAAAACGCTCGAACAGGAGGATGTCATCCCCGAAG
GCTGGAAGCCCGACACCCTCTACCCCTCCAAGCTCCAGTTCTGA

Nucleotide

>PhEXPB-31

ATGGCGGCGGCGTTCGACGCATCTTGTGCGGTGGCGGTGGTGCTCGCGGCGCTGG
TGGGCGGCGCATGGTGC GGTCGCCCAAGGTTCCCCGGGCAAGAACATCTCGGC
AGACTGCGACGGCAAGTGGCTGGAGGCCAAGGCGACGTGGTACGGCAAGCCGAC

AGGCGCGGGGCCTGACGACAACGGCGGGCGCCTGCGGGTACAAGGAGGTGAACAA
GGCTCCCTTCAACAGCATGGGGGCGTGCGGCAACTCGCCCATCTTCAAGGACGGC
CTCGGCTGCGGCTCCTGCTACGAGATCAAGTGCGACAAGCCCGCCGAGTGCTCCG
GCGAGCCCGTCATCGTCTACATCACTGACATGAACTACGAGCCCATCGCCGCCTA
CCACTTCGACCTGGCCGGCACGGCCTTTGGAGCCATGGCCAAGAAGGGGGAGGA
GGAGAAGCTGCGCAAGGCGGGCATCATCGACATGCAGTTCCGCCGCGTCAAGTG
CAAGTACCCGGCCGACACCAAGATCGCCTTCCACGTCGAGAAGGGCTGCAACCC
CAACTACCTTGCGCTGCTCCTCAAGTACGCTGCCGGCGACGGCGACATCGTCGGC
GTCGACATCAAGGAGAAGGGCGCCAAAGAGTACCAGTCCCTGAAGCACTCTTGG
GGCGCCATCTGGAGAATGGACACCCCGAAGCCGATCAAGGGCCCTATCTCCATCC
GCATCACCAGCGAGGGAGGCAAAACGCTCGAACAGGAGGATGTCATCCCCGAAG
GCTGGAAGCCCGACACCCTCTACCCCTCCAAGCTCCAGTTCTGA