

IDENTIFICATION

Species: *Panicum hallii*

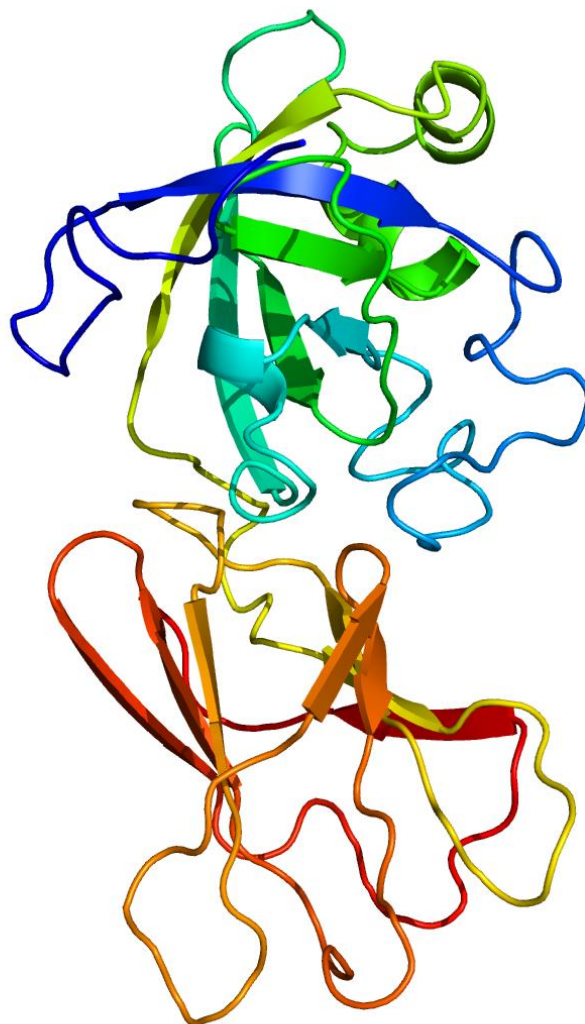
Locus: Pahal.3G473800

Gene Model: Pahal.3G473800.1.p

Description: PhEXPB-10

Family: Beta Expansin

3D structure:



GENOME DATABASES

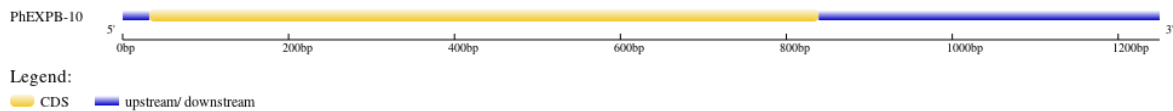
Phytozome: https://phytozome-next.jgi.doe.gov/info/Phallii_v3_1

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

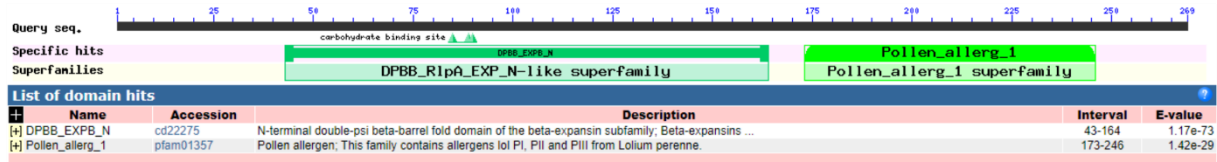
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhEXPB-10

MAAASTHLVAVAVVLAALVGGAWCGPPKVPPGKNISADCDGKWLEAKATWYGKPTGAGPDDNGGACGYKEV NKAPFNMGACGNSPIFKDGLGCGSCYEIKCDKPAECSGEPVIVYITDMNYEPIAA YHFDLAGTAFGAMAKKGEEELRKAGIIDMQFRRVKCKYPADTKIAFHVQKGCNPNYLALLVKYAAGDGDIVGVDIKEKGAKEYQSLKHSWGAIWRMDAPKPIKGPISIRITSEGGKTLEQEDVIPEGWKPD TLYPSKLQF*

CDS (coding sequence)

>PhEXPB-10

ATGGCGGCGGCGTTCGACGCATCTTGTGCGGTGGCGGTGGTGCTCGCGGCGCTGGTGGGCGGCATGGTTCGCGGTCCACCCAAGGTTCCCCGGGCAAGAACATCTCGGCAGACTGCGACGGCAAGTGGCTGGAGGCCAAGGCGACATGGTACGGCAAGCCGACAGGCGCGGGGCCGACGACAACGGTGGCGCCTGCGGGTACAAGGAGGTGAACAA GGCTCCCTTCAACGGCATGGGGGCGTGCGGCAACTCGCCCATCTTCAAGGATGGCCTCGGCTGCGGCTCCTGCTACGAGATCAAGTGCAGACAAGCCCGCCGAGTGCTCGG GCGAGCCCGTCATCGTCTACATCACCGACATGAACTACGAGCCCATCGCCGCCTA CCATTCGACCTGGCCGGCACGGCCTTTGGAGCCATGGCCAAGAAGGGGGAGGA GGAGAAGCTGCGCAAGGCGGGCATCATCGACATGCAGTTCCGCCGCGTCAAGTG CAAGTACCCGGCCGACACCAAGATCGCCTTCCACGTCCAGAAGGGCTGCAACCCC AACTACCTGGCGCTGCTCGTCAAGTACGCCGCCGGCGACGGCGACATCGTTCGGCG TCGACATCAAGGAGAAGGGCGCCAAAGAGTACCAGTCCCTGAAGCACTCTTGGG GCGCCATCTGGAGGATGGACGCCCCCAAGCCGATCAAGGGCCCCATCTCCATCCG CATCACCAGCGAGGGAGGCAAAACGCTCGAACAGGAGGATGTCATCCCCGAAGG CTGGAAGCCCGACACCTCTACCCCTCCAAGCTCCAGTTCTGA

Nucleotide

>PhEXPB-10

CACGCACAAGCAACGCAGCACCATCATCGACAATGGCGGCGGCGTTCGACGCATC TTGTTGCGGTGGCGGTGGTGCTCGCGGCGCTGGTGGGCGGCGCATGGTTCGGTCC GCCAAGGTTCCCCGGGCAAGAACATCTCGGCAGACTGCGACGGCAAGTGGCT

GGAGGCCAAGGCGACATGGTACGGCAAGCCGACAGGCGCGGGGCCCCGACGACA
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GGCGTGC GGCAACTCGCCATCTTCAAGGACGGCCTCGGCTGCGGCTCCTGCTA
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CATCCATCACCAATTTTTTTGTTACAGGTGCATGCAGGCATCTCTGTCTAGACCGAG
GAGTAAGGGAGAGAATGAATAAGCAGCGCCCGCTACGACAATCGGGAGGCGCTT
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TGCATTTCTCAGCCCATAGGACCTTCTCAATGCACTAGCAATGAACTTATATATCA
TGGTTAGTTAAATCTGTTGTAATGGATCTTTTCCTTCTTTATTTATTGTGCCATTTG
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CTACCTACTACGCATTATTCGATGTGGCTAAAACACCCGATCCTTGTA