IDENTIFICATION

Species: *Panicum hallii*

Locus: Pahal.9G388400

Gene Model: Pahal.9G388400.1.p

Description: PhEXPB-22

Family: Beta Expansin

3D structure:

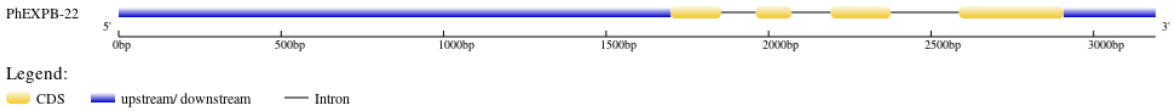
GENOME DATABASES

Phytozome: https://phytozome-next.jgi.doe.gov/info/Phallii_v3_1
KEGG: https://www.genome.jp/entry/T07366

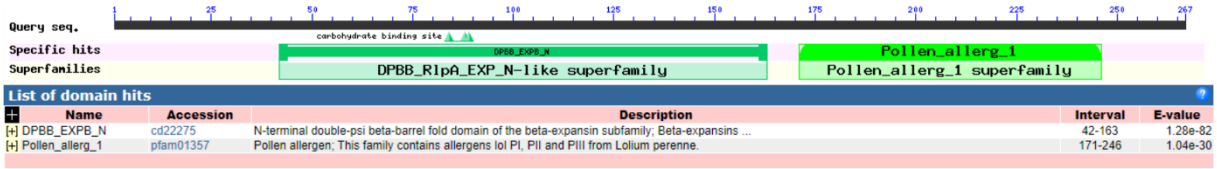
EXTERNAL RESOURCES

-

GENE STRUCTURE



DOMAIN ARCHITECTURE



List of domain hits

Name	Accession	Description	Interval	E-value
[+] DPBB_EXPB_N	cd22275	N-terminal double-psi beta-barrel fold domain of the beta-expansin subfamily; Beta-expansins ...	42-163	1.28e-82
[+] Pollen_allerg_1	pfam01357	Pollen allergen; This family contains allergens lol PI, PII and PIII from Lolium perenne.	171-246	1.04e-30

SEQUENCES

Peptide

>PhEXPB-22

MASSSSKAAALAALLFSLLVTYGSCARPVSFNASAFTADPNWEAARATWYGAPTGA
GPDDDGGACGFKNVNLPPFSAMTSCGNEPLFKDGKGCGSCYQIRCTNHAACSGNPET
VIITDMNYYPVAKYHFDLSGTAFGAMAKPGRSDELLHAGIIDIQFKRVPCNYPGQKV
TFHVEEGSNAVYLAVLVEFEDGDGDVVQVDLMEANSGSWAPMRESWGSIWRMDSN
HRLQAPFSLRITNESGKQLVASNVIPADWVPNTYYRSIIQY*

CDS (coding sequence)

>PhEXPB-22

ATGGCCTCCTCCTCTTCCAAGGCTGCTGCACTTGCAGCACTACTCTTCTCCCTCCT
TGTCACGTATGGCTCGTGCGCTCGGCCGGTGAGCTTCAACGCCTCCGCCTTCACC
GCCGACCCCAACTGGGAGGCCGCCAGGGCCACCTGGTACGGCGCGCCCACCGGC
GCTGGTCCTGACGACGACGGTGGCGCCTGCGGGTTCAAGAATGTCAACCTGCCGC
CGTTCTCGGCCATGACGTCGTGCGGCAACGAGCCACTGTTCAAGGACGGCAAGG
GCTGCGGATCCTGCTACCAGATACGGTGCACTAACCACGCTGCGTGCTCCGGCAA
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AGCTCCTCCATGCCGGCATCATCGACATCCAGTTCAAGAGGGTGCCCTGCAACTA
CCCCGGGCAGAAGGTGACGTTCCACGTCGAGGAGGGCTCGAACGCCGTCTACCT
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GATGGAGGCCAACTCCGGGTCGTGGGCGCCGATGCGCGAGTCCTGGGGATCCAT
CTGGAGGATGGACTCCAACCACCGGCTGCAGGCGCCCTTCTCGCTGCGCATCACC
AACGAGTCCGGCAAGCAGCTGGTGGCCAGCAACGTCATCCCGGCCGACTGGGTG
CCCAACACCTACTACCGCTCCATCATCCAGTACTAG

Nucleotide

>PhEXPB-22

CGCGCTACACTCGTGTTCATCCTGTTTTCTTGTTTCCGGGGGAAGGCCCAACAACA
CCGTATGCCAGAGTCCTGAGTACCCCTAATCTATGGTACTGTCTCTCGTGGATTAT
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TGCAGCATCTCAGAATAGAATATTTCTCTCAAATTGGATTACCTCAAGATGACTT
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