IDENTIFICATION

Species: *Panicum hallii HAL*

Locus: PhHAL.7G237700

Gene Model: PhHAL.7G237700.1.p

Description: PhhEXPB-13

Family: Beta Expansin

3D structure:

GENOME DATABASES

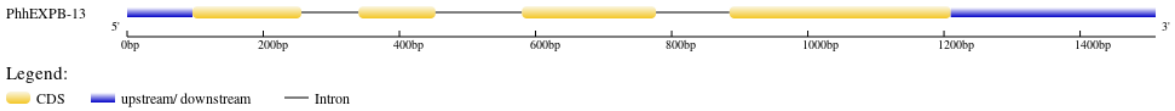
Phytozome: https://phytozome-next.jgi.doe.gov/info/PhalliiHAL_v2_1

KEGG:-

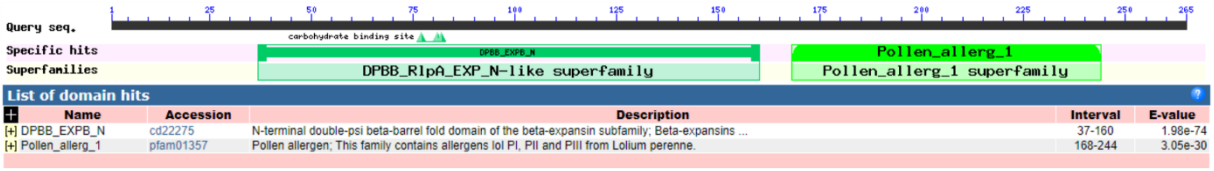
EXTERNAL RESOURCES

-

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 ...	37-160	1.98e-74
[+] Pollen_allerg_1	pfam01357	Pollen allergen; This family contains allergens lol PI, PII and PIII from Lolium perenne.	168-244	3.05e-30

SEQUENCES

Peptide

>PhhEXPB-13

MASESQLLFFVVVAAIASLLHPCDSIEFHRKLSGWSSDGGATWYGGATGAGSDGGA
CGYQGAVDQAPFSSMIAAGSPSIYKSGMGCGSCFQVKCTGNDACSGNPVTVVITDEC
PGGGACTNEPVHFDLSGTAFGAMAKSGQADKLRAAGVLKVQYTRVPCSWPGVQLT
FVVDAGSNPNYFAVLVKYQNGDGDLSGVELMQTGPGAAWAPMQQSWGAVWKFN
AGSALQAPLSIRLTSSSGKQLVASNVIPVGWKPGAAYQSAVNY*

CDS (coding sequence)

>PhhEXPB-13

ATGGCTTCCGAGTCCCAGCTTCTGTTCTTCGTTGTGGTTGCAGCGATCGCCTCGCT
GCTCCATCCTTGCGATTCCATCGAGTTCCATCGCAAGCTCTCCGGCTGGTCCAGCG
ACGGCGGCGCGACGTGGTACGGCGGCGCTACTGGGGCTGGAAGCGATGGTGGCG
CGTGTGGGTACCAGGGTGCCGTCGACCAGGCGCCGTTCTCGTCCATGATCGCCGC
CGGCAGCCCTTCCATCTACAAGTCCGGCATGGGCTGCGGCTCTTGCTTCCAGGTG
AAATGCACCGGAAATGACGCTTGCTCCGGCAACCCGGTGACCGTTGTGATCACCG
ACGAATGCCCCGGCGGCGGCGCGTGCACGAACGAGCCGGTCCACTTCGACCTGA
GCGGGACGGCGTTCGGCGCCATGGCGAAGTCCGGACAGGCCGACAAGCTGCGCG
CCGCCGGTGTCCTCAAAGTGCAGTACACCCGCGTACCGTGCAGCTGGCCCGGGGT
GCAGCTAACCTTCGTCGTGGACGCCGGCTCGAACCCGAACTACTTCGCCGTGCTC
GTCAAGTACCAGAACGGCGACGGCGACCTCTCGGGCGTCGAGCTCATGCAGACC
GGCCCAGGGGCCGCGTGGGCGCCCATGCAGCAGTCGTGGGGCGCCGTCTGGAAG
TTCAACGCCGGGTCGGCGTTGCAGGCGCCCTTGTCCATCCGCCTGACCTCCAGCT
CCGGCAAGCAGCTCGTCGCCAGCAACGTCATCCCCGTCGGGTGGAAGCCCGGCG
CCGCCTACCAGTCAGCGGTCAACTACTAA

Nucleotide

>PhhEXPB-13

AAGCCTTTCATCTACTTGCCCCTCCTCGCCTACAAATCAATCTTTGATCGTGAAAC
GAAGAGATCAAGCAACAGTTAGACGCAAGAAGAAGTAGCAATGGCTTCCGAGTC
CCAGCTTCTGTTCTTCGTTGTGGTTGCAGCGATCGCCTCGCTGCTCCATCCTTGCG

ATTCCATCGAGTTCCATCGCAAGCTCTCCGGCTGGTCCAGCGACGGCGGCGCGAC
GTGGTACGGCGGCGCTACTGGGGCTGGAAGCGATGGTATGTTCTGTCAGAGCATT
CTGCCTAAACTAATTAGTATTTCTTGCCTCTTTTCTAACCGATCGACATGCTGAAT
ACATGTAGGTGGCGCGTGTGGGTACCAGGGTGCCGTCGACCAGGCGCCGTTCTCG
TCCATGATCGCCGCCGGCAGCCCTTCCATCTACAAGTCCGGCATGGGCTGCGGCT
CTTGCTTCCAGGTCCGTACCTTCCTGTGCACTGTATATCTAGCTGAGGGACATGGG
ATTTTTTTTTTCCAGATGTACATGCTGCGCACAGAAGATGTATCACAAGCCATGCA
TTCATTTGCCTTATCACTACCAACAGGTGAAATGCACCGGAAATGACGCTTGCTC
CGGCAACCCGGTGACCGTTGTGATCACCGACGAATGCCCCGGCGGCGGCGCGTG
CACGAACGAGCCGGTCCACTTCGACCTGAGCGGGACGGCGTTCGGCGCCATGGC
GAAGTCCGGACAGGCCGACAAGCTGCGCGCCGCCGGTGTCCTCAAAGTGCAGTA
CACCCGGTAAGCATACTACCGCCACGTAACGAACCGTCGTCCTTGTATATTCCGC
CCAATCTCCTCTGGCTTCTCTTCTCTTACAACGATGCCCGCGTGTGATGTTGTACA
CAGCGTACCGTGCAGCTGGCCCGGGGTGCAGCTAACCTTCGTCGTGGACGCCGGC
TCGAACCCGAACTACTTCGCCGTGCTCGTCAAGTACCAGAACGGCGACGGCGACC
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CCTTGTCCATCCGCCTGACCTCCAGCTCCGGCAAGCAGCTCGTCGCCAGCAACGT
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GATTAATTGGAAGTAATAAGGGCAGGATTTAGGCAGAGGAGGAGGAGGCGCAGG
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TGAGACGTGTTAGTGTGTGTATCATTGTTTGTAATGGCAGCTCGGTATCACTGCTG
AATGGAATGCTGATAATTGATGTG