

IDENTIFICATION

Species: *Panicum hallii* HAL

Locus: PhHAL.7G237600

Gene Model: PhHAL.7G237600.1.p

Description: PhhEXPB-12

Family: Beta Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

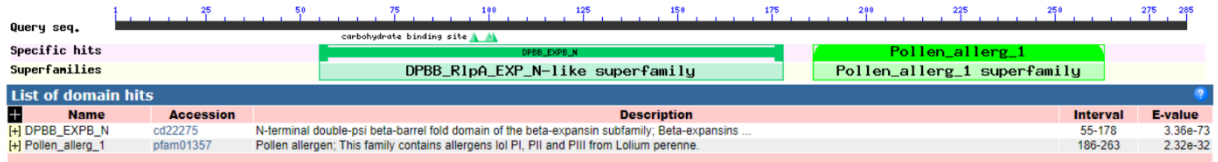
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhhEXPB-12

MASPVALPIAFAALPFLSLLASPIIPCYGSPGPMSPRNYTATSRYTTSVPAAGWSSGG
ATWYGSPYGAGSDGGACGYQGTVSRPFSSMIAAGGPPLFKNGRGCACGYQIKCTG
NKACSGRPVTVTITDSCPGGVCLAEAAHFDMSGTAFGAMASRGMADRLRAAGVLKI
QYKRVPCNYNGMGIAFRVDAGSNPYLAVLIQYQSGDGLAAVDIMQPGGAWAPM
QHSWGATWRANSNTGRPLRAPFSLRLTSGAGKVLVVRNAIPAGWRAGKTYRSTVN
YAT*

CDS (coding sequence)

>PhhEXPB-12

ATGGCTTCTCCGGTTGCATTACCCATTGCGGCATTCGCCGCGCTGCCATTCCTGTC
ACTCCTTGCAAGCCCCATTATTCCTGCTACGGGAGTCCGGGGCCAATGTCTCCTC
GGA ACTACACCGCCACCAGCCGGTACACCACCTCAGTGCCGGCGGGCTGGGTGGTC
CTCGGGCGGGCGCGACGTGGTACGGGAGCCCTTACGGCGCCGGCAGCGACGGCGG
CGCGTGCGGCTATCAAGGCACCGTCAGCCGGCGCCCGTTCTCGTCGATGATAGCC
GCCGGCGGCCCTCCCCTCTTCAAGAACGGCAGAGGCTGCGGGCGCGTGCTATCAGA
TTAAGTGCACCGGCAACAAAGCCTGCTCCGGCCGGCCAGTGACCGTCACTATCAC
CGACTCCTGCCCGGGCGGGGTGTGCCTCGCCGAGGCCGCGCACTTCGACATGAGC
GGCACGGCCTTCGGCGCCATGGCCAGCCGGGGCATGGCCGACCGCCTCCGCGCC
GCTGGAGTCTCAAGATCCAATATAAGAGGGTGCCGTGCAACTACAACGGCATG
GGGATCGCCTTCCGGGTGGACGCGGGCTCCAACCCGTACTACCTCGCCGTGCTGA
TCCAGTACCAGAGCGGGCAGCGGACCTCGCCGCGGTGGACATCATGCAGCCGG
GCGGCGCGTGGGCGCCGATGCAGCACTCGTGGGGCGCCACGTGGCGCGCCA
CTCAAACACCGGCAGGCCGCTGCGCGCGCCCTTCTCGCTCCGGCTCACCTCGGGCGC
CGGCAAGGTGCTCGTCGTCAGGAACGCCATCCCCGCCGGCTGGCGCGCCGGCAA
GACCTACCGGTCCACGGTGAACACTACGCCACTTAA

Nucleotide

>PhhEXPB-12

ATGGCTTCTCCGGTTGCATTACCCATTGCGGCATTGCGCCGCGCTGCCATTCCTGTC
ACTCCTTGCAAGCCCCATTATTCCTGCTACGGGAGTCCGGGGCCAATGTCTCCTC
GGA ACTACACCGCCACCAGCCGGTACACCACCTCAGTGCCGGCGGGCTGGGTGGTC
CTCGGGCGGGCGGACGTGGTACGGGAGCCCTTACGGCGCCGGCAGCGACGGTAA
GTACATGCACACCCGGACACTGATCAGTGCAGGTGAAGCGTAGGTACCAGTGAC
TGCTCCTGTAATGGCATGTCAGTTCCGTTGCAGGCGGGCGCGTGCGGCTATCAAGG
CACCGTCAGCCGGCGCCCGTTCTCGTCGATGATAGCCGCCGGCGGCCCTCCCCCTC
TTCAAGAACGGCAGAGGCTGCGGGCGCGTGCTATCAGGTTAGTACTTACTACTACT
GAGTTTCTTTAGTGTGCATGTACATTCTTGCTCTAACACTGTCTGTACTGTCTGTC
TAATACCACGAAGATTAAGTGCACCGGCAACAAAGCCTGCTCCGGCCGGCCAGT
GACCGTCACTATCACCGACTCCTGCCCCGGCGGGGTGTGCCTCGCCGAGGCCGCG
CACTTCGACATGAGCGGCACGGCCTTCGGCGCCATGGCCAGCCGGGGCATGGCC
GACCGCCTCCGCGCCGCTGGAGTCCTCAAGATCCAATATAAGAGGTGCGACAATA
CATTGAGTTCGAACTGATAATTCCAGTGAAAATGTTAATCTACGCGCACGAGCGT
AACGCAACGGAGCTGCCTTTTCGCAGGGTGCCGTGCAACTACAACGGCATGGGG
ATCGCCTTCGGGTGGACGCGGGCTCCAACCCGTACTACCTCGCCGTGCTGATCC
AGTACCAGAGCGGGCGACGGCGACCTCGCCGCGGTGGACATCATGCAGCCGGGCG
GCGCGTGGGCGCCGATGCAGCACTCGTGGGGCGCCACGTGGCGCGCCA ACTCCA
ACACCGGCAGGCCGCTGCGCGCGCCCTTCTCGCTCCGGCTCACCTCGGGCGCCGG
CAAGGTGCTCGTCGTCAGGAACGCCATCCCCGCCGGCTGGCGCGCCGGCAAGAC
CTACCGGTCCACGGTGA ACTACGCCACTTAA