

IDENTIFICATION

Species: *Panicum hallii* HAL

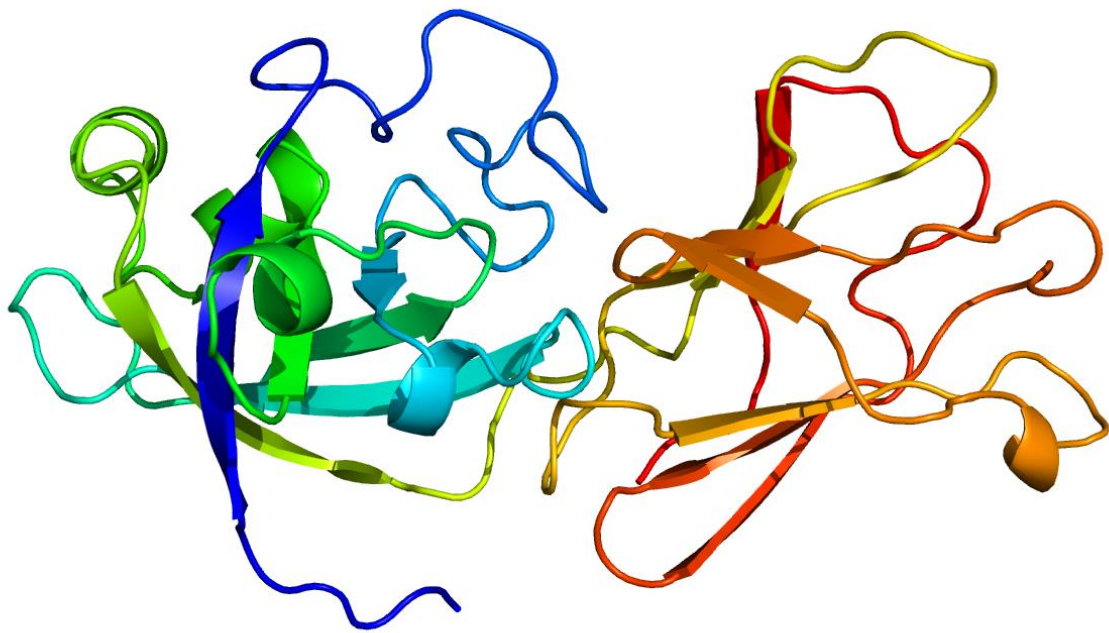
Locus: PhHAL.7G237500

Gene Model: PhHAL.7G237500.1.p

Description: PhhEXPB-11

Family: Beta Expansin

3D structure:



GENOME DATABASES

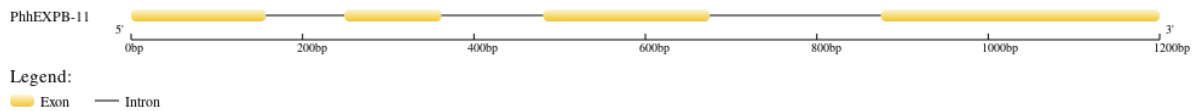
Phytozome: https://phytozome-next.jgi.doe.gov/info/PhalliiHAL_v2_1

KEGG:-

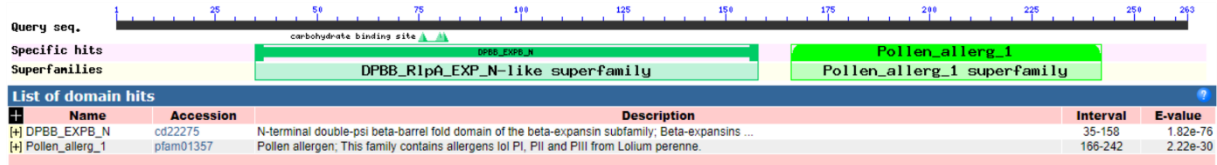
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhhEXPB-11

MASKSQLMSFAAIAALASLLHPCTSIEFHRKLSSWSDGGATWYGAANGAGSDGGAC
GYQGAVDQAPFSSMIAAGSPSIYKSGMGCSCFQVKCTGNDACSGTPVTVVITDECP
GGPCLSEPVHFDLSGTAFGAMAKPGQADQLRGSVQLQIHTRVQCSWPGVQLTFV
DAGSNPNYFAVLVKYQNGDGLSGVELMQTGPGAAWAPMQQSWGAVWKFNAGS
ALQAPLSIRLTSSSGKQLVASNVIPVGWKPGAAYQSAVNY*

CDS (coding sequence)

>PhhEXPB-11

ATGGCTTCCAAATCCCAGCTCATGTCCTTCGCTGCCATCGCAGCTCTCGCCTCGCT
CCTCCATCCCTGCACATCCATCGAGTTCCACCGCAAGCTCTCCAGCTGGTCCGAC
GGCGGCGCCACGTGGTACGGCGCCGCTAATGGGGCTGGGAGCGATGGTGGCGCG
TGTGGGTACCAGGGTGCCGTCGACCAGGCGCCGTTCTCGTCCATGATCGCCGCCG
GCAGCCCTTCCATCTACAAGTCCGGCATGGGATGCGGCTCTTGCTTCCAGGTGAA
ATGCACCGGTAATGACGCTTGCTCCGGCACCCCGGTGACCGTCGTGATCACCGAC
GAGTGCCCCGGCGGCCCGGTGCCTGAGCGAGCCGGTCCACTTCGACCTGAGCGGG
ACGGCGTTCGGCGCCATGGCGAAGCCCGGCCAGGCCGACCAGCTGCGCGGCTCC
GGCGTCCCTCCAAATCCAGCACACCCGCGTGCAGTGCAGCTGGCCCCGGGGTGCAGC
TAACCTTCGTGCTGGACGCCGGCTCGAACC CGAACTACTTCGCCGTGCTCGTCAA
GTACCAGAACGGCGACGGCGACCTCTCGGGCGTCGAGTTCATGCAGACCGGCC
AGGGGCCGCGTGGGCGCCCATGCAGCAGTCGTGGGGCGCCGTCTGGAAGTTCAA
CGCCGGGTTCGGCGTTGCAGGCGCCCTTGTCATCCGCCTGACCTCCAGCTCCGGC
AAGCAGCTCGTCGCCAGCAACGTCATCCCCGTCGGGTGGAAGCCCGGCGCCGCT
ACCAGTCAGCGGTCAACTACTAA

Nucleotide

>PhhEXPB-11

ATGGCTTCCAAATCCCAGCTCATGTCCTTCGCTGCCATCGCAGCTCTCGCCTCGCT
CCTCCATCCCTGCACATCCATCGAGTTCCACCGCAAGCTCTCCAGCTGGTCCGAC
GGCGGCGCCACGTGGTACGGCGCCGCTAATGGGGCTGGGAGCGATGGTATATAC

TGCATGCCCCGAAAATACGCGGTGTCAGTTAACTGAAAAGAATTCATGTCTCAGCG
AAACATGCGTGCTTGGCTTTGTGCATGTAGGTGGCGCGTGTGGGTACCAGGGTGCC
GTCGACCAGGCGCCGTTCTCGTCCATGATCGCCGCCGGCAGCCCTTCCATCTACA
AGTCCGGCATGGGATGCGGCTCTTGCTTCCAGGTGCGTACCTGTGCACTGTATAT
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GTATCACAACCATGCATTCATGTGCCTTATCACCAACAGGTGAAATGCACCGGT
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CGCCATGGCGAAGCCCGGCCAGGCCGACCAGCTGCGCGGCTCCGGCGTCCTCCA
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CACGGGCACATGCACGGTTCGGTAAGCGCCATGCCACGAGCTGTCCTTTGTGTA
CCCTTCTAATGGCGTCTATGTCTCGACGACGAACGCACGTGACGTGCAGCGTGCA
GTGCAGCTGGCCCGGGTGCAGCTAACCTTCGTTCGTGGACGCCGGCTCGAACCCG
AACTACTTCGCCGTGCTCGTCAAGTACCAGAACGGCGACGGCGACCTCTCGGGCG
TCGAGCTCATGCAGACCGGCCAGGGGCCGCGTGGGCGCCCATGCAGCAGTCGT
GGGGCGCCGTCTGGAAGTTCAACGCCGGGTCCGGCGTTGCAGGCGCCCTTGTCCAT
CCGCCTGACCTCCAGCTCCGGCAAGCAGCTCGTCGCCAGCAACGTCATCCCCGTC
GGGTGGAAGCCCGGCCGCCCTACCAGTCAGCGGTCAACTACTAA