

IDENTIFICATION

Species: *Panicum hallii* HAL

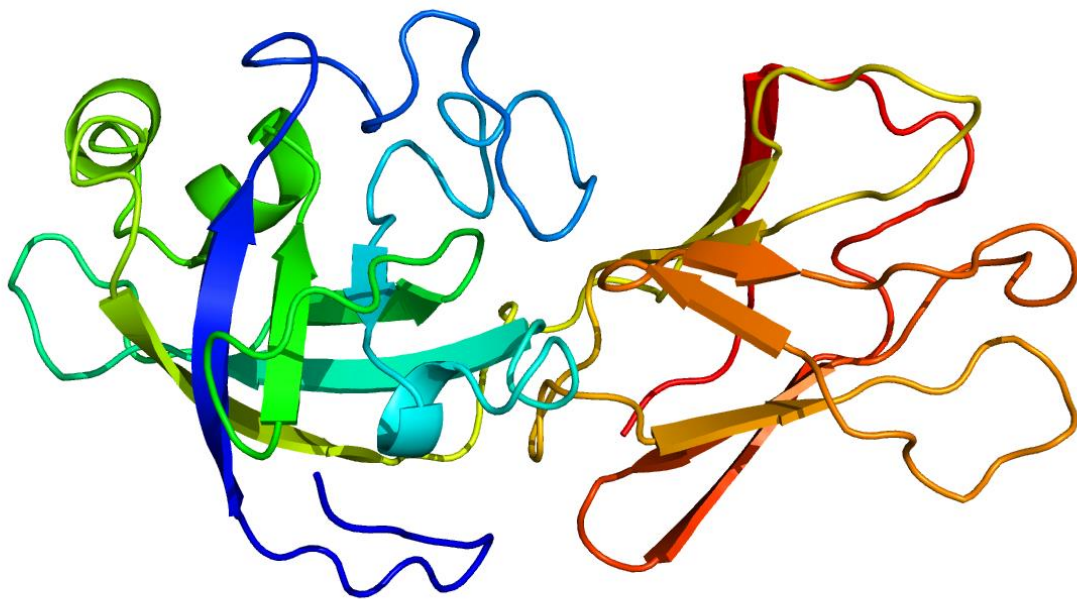
Locus: PhHAL.9G404000

Gene Model: PhHAL.9G404000.1.p

Description: PhhEXPB-19

Family: Beta Expansin

3D structure:



GENOME DATABASES

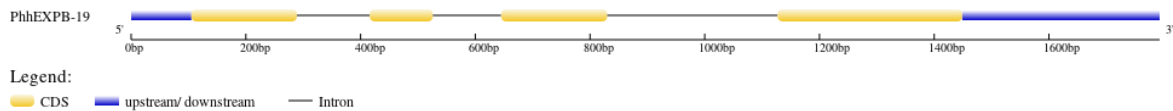
Phytozome: https://phytozome-next.jgi.doe.gov/info/PhaliiHAL_v2_1

KEGG:-

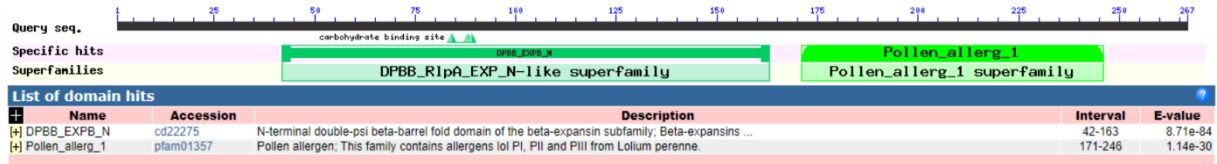
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhhEXPB-19

MASSSSKAAALAALLFSLLVTYGSCARPVSFNASAFTADPNWEAARATWYGAPTGA
GPDDDGGACGFKNVNLPFSAMTSCGNEPLFKDGGKCGSCYQIRCTNHAACSGNPET
VIITDMNYYPVAKYHFDLSGTAFGAMAKPGRSDELRHAGIIDIQFKRVPCNYPGQKV
TFHVEEGSNAVYLAVLVEFEDGDGDVVQVDLMEANSGSWAPMRESWGSIWRMDSN
HRLQAPFSLRITNESGKQLVASNVIPADWVPNTYYRSIIQY*

CDS (coding sequence)

>PhhEXPB-19

ATGGCCTCCTCCTCTTCCAAGGCTGCTGCACTTGCAGCACTACTCTTCTCCCTCCT
TGTCACGTATGGCTCGTGCCTCGGCCGGTGAGCTTCAACGCCTCCGCCTTACC
GCCGACCCCAACTGGGAGGCCGCCAGGGCCACCTGGTACGGCGCGCCCACTGGC
GCCGGTCTTGACGACGACGGTGGCGCCTGCGGGTTCAAGAATGTCAACCTGCCGC
CGTTCTCGGCCATGACGTCGTGCGGCAACGAGCCACTGTTCAAGGACGGCAAGG
GCTGCGGATCCTGCTACCAGATACGATGCACTAACCACGCTGCGTGCTCCGGCAA
CCCGGAGACGGTGATCATCACCGACATGAACTACTACCCGGTCGCCAAGTACCAC
TTCGACCTCAGCGGCACGGCCTTCGGCGCCATGGCCAAGCCCGGCCGCAGCGACG
AGCTCCGGCATGCCGGCATCATCGACATCCAGTTCAAGAGGGTGCCCTGCAACTA
CCCCGGGCAGAAGGTGACGTTCCACGTCGAGGAGGGCTCGAACGCCGTCTACCT
GGCGGTGCTCGTCGAGTTCGAGGACGGCGATGGGGACGTGGTGCAGGTGGACCT
GATGGAGGCCAACTCCGGGTCGTGGGCGCCGATGCGCGAGTCCTGGGGATCCAT
CTGGAGGATGGACTCCAACCACCGGCTGCAGGCGCCCTTCTCGCTGCGCATCACC
AACGAGTCCGGCAAGCAGCTGGTGGCCAGCAACGTCATCCCGGCCGACTGGGTG
CCCAACACCTACTACCGCTCCATCATCCAGTACTAG

Nucleotide

>PhhEXPB-19

AAACACTGATATCTTGTGTCTGCTCGGCACAAGCAGTAGCTACCTGCTTTCCTTCT
TAAGCTTGGAGTAGGATTATTGTGCTTGCTGCACTGAGCTAGCGAAGAGATGGCC
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GTATGGCTCGTGCCTCGGCCGGTGAGCTTCAACGCCTCCGCCTTACCAGCCGAC

CCCAACTGGGAGGCCGCCAGGGCCACCTGGTACGGCGCGCCCACTGGCGCCGGT
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CAAGCCC GGCCGACGACGAGCTCCGGCATGCCGGCATCATCGACATCCAGTTC
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ATCATTAGCTCGACCGTCGAGCTTGCTGTTTCTGTGGAGCCTTGTACTTTATTTG
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ATTCGCAGGCATACTGTATTATTCTAGTACTTCCAATCCACTCCTAATTTGGCGTC
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