

IDENTIFICATION

Species: *Panicum hallii* HAL

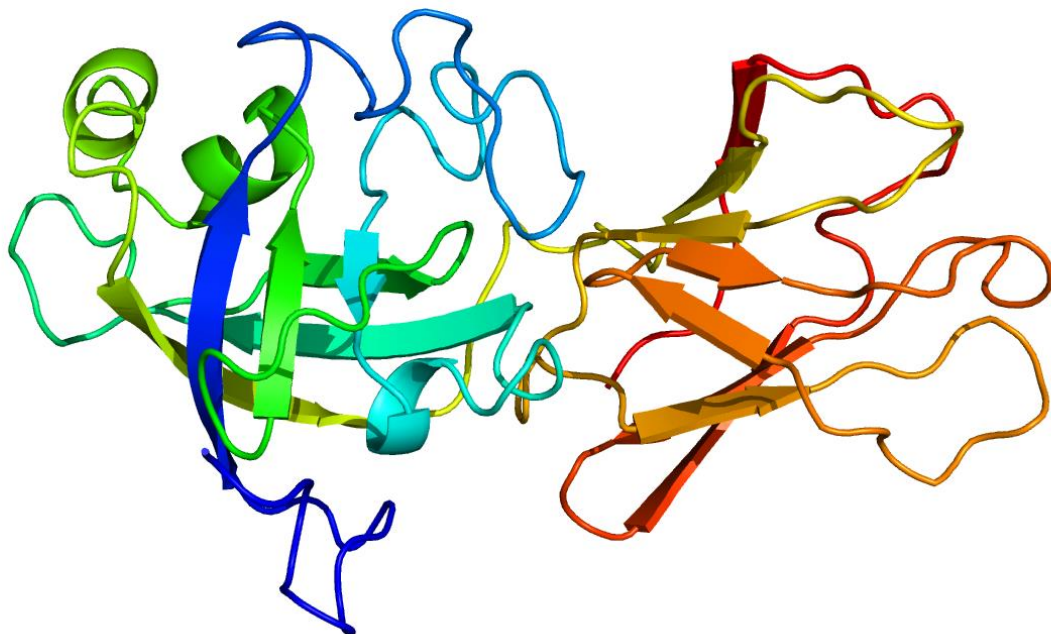
Locus: PhHAL.9G409800

Gene Model: PhHAL.9G409800.1.p

Description: PhhEXPB-27

Family: Beta Expansin

3D structure:



GENOME DATABASES

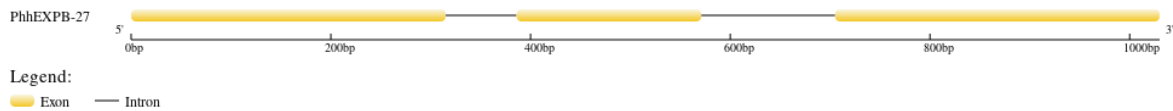
Phytozome: https://phytozome-next.jgi.doe.gov/info/PhalliiHAL_v2_1

KEGG:-

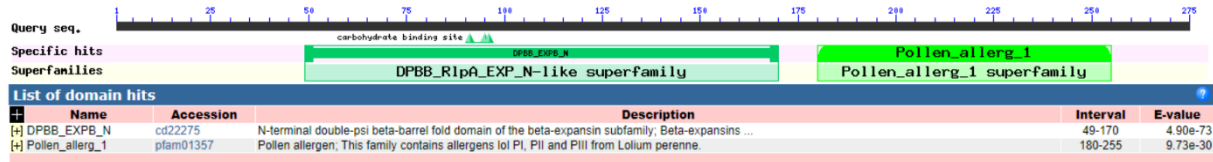
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhhEXPB-27

MGYLPNAVAVAVAAVLAAALVTGGSCDSSAPNKVPPGPNVTTGYDGRWLAAKAT
WYGKPVGAGPDDSGGACGIKDVDRPPYSGMTSCGNGPIFKDGKGCSCYEIRC NAP
EECSNNPVTVFITDMNYDPIAPYHFDLSGTAFGAMATAGLQDKLRHRGIIDLEFRRVQ
CKYAAGLKIVFHVEHGSNP NYLAVLVK FVAGDGDVVQMDLKEKASPEREPMRLSW
GAIWRMDTPRALRGPFSIRLTSSEGEKLVATDVIPENWIPNTVYESNIQF*

CDS (coding sequence)

>PhhEXPB-27

ATGGGGTACCTGCCCAACGCCGTGGCCGTGGCCGTGGCCGCCGCTCCTGGCGGCGG
CGCTCGTACCCGGCGGGTCTGTGCGACTCCTCATCAGCTCCAATAAAGGTGCCGCC
GGGCCCAACGTCACGACCGGCTACGACGGCAGGTGGCTCGCCGCTAAGGCCAC
CTGGTACGGCAAGCCCGTCCGGCGCCGCCCGACGACAGCGGCGGCGCATGCGG
GATCAAGGACGTGGACCGGCCGCCCTACAGCGGCATGACGTCCTGCGGCAACGG
CCCCATCTTCAAGGACGGCAAGGGCTGCGGCTCATGCTACGAGATCAGATGCAAT
GCGCCGGAGGAGTGCTCCAACAATCCGGTGACGGTGTTCATCACCGACATGAACT
ACGACCCCATCGCCCCCTACCACTTCGACCTCAGCGGCACCGCGTTCGGCGCCAT
GGCCACGGCGGGGCTCCAGGACAAGCTCCGCCACCGCGGCATCATCGACCTGGA
GTTCAAGGAGGGTGCAGTGCAAGTACGCGGCCGGGCTGAAGATCGTGTTCACGT
GGAGCACGGCTCGAACCCCAACTACCTGGCGGTGCTGGTGAAGTTCGTGCGGGG
GACGGTGACGTCGTGCAGATGGACCTCAAGGAGAAGGCGTCGCCGGAGCGGGAG
CCGATGCGGCTCTCGTGGGGCGCCATCTGGAGGATGGACACGCCAGGGCGCTC
AGGGGCCCTTCTCCATCCGCCTACCAGCGAGTCCGGCGAGAAGCTCGTCGCCA
CCGACGTGATCCCGGAGA ACTGGATCCCCAACACAGTCTACGAGTCCAACATCCA
GTTCTAG

Nucleotide

>PhhEXPB-27

ATGGGGTACCTGCCCAACGCCGTGGCCGTGGCCGTGGCCGCCGCTCCTGGCGGCGG
CGCTCGTACCCGGCGGGTCTGTGCGACTCCTCATCAGCTCCAATAAAGGTGCCGCC
GGGCCCAACGTCACGACCGGCTACGACGGCAGGTGGCTCGCCGCTAAGGCCAC

CTGGTACGGCAAGCCCGTCGGCGCCGGCCCCGACGACAGCGGGCGGCGCATGCGG
GATCAAGGACGTGGACCGGCCGCCCTACAGCGGCATGACGTCCTGCGGCAACGG
CCCCATCTTCAAGGACGGCAAGGGCTGCGGCTCATGCTACGAGGTATACGTACGC
GAGCAGAATTGCTTGACTAGCAGACGCGAGATCTTGACGAACTTGATGCGTG
GCAGATCAGATGCAATGCGCCGGAGGAGTGCTCCAACAATCCGGTGACGGTGT
CATCACCGACATGAACTACGACCCCATCGCCCCCTACCACTTCGACCTCAGCGGC
ACCGCGTTCGGCGCCATGGCCACGGCGGGGCTCCAGGACAAGCTCCGCCACCGC
GGCATCATCGACCTGGAGTTCAGGAGGTCCGACACCATTATATATCTCGCTCGAT
CAAATAGAACTTCTTCACGATCTGCGTATGTACACGCCTGAATGCTGCGCATT
CGATCCTGCACTCATGCAACAAGAATGACGACATGGAGCATGCATTGCAGGGTG
CAGTGCAAGTACGCGGCCGGGCTGAAGATCGTGTTCCACGTGGAGCACGGCTCG
AACCCCAACTACCTGGCGGTGCTGGTGAAGTTCGTCGCGGGGCGACGGTGACGTCG
TGCAGATGGACCTCAAGGAGAAGGCGTCGCCGGAGCGGGAGCCGATGCGGCTCT
CGTGGGGCGCCATCTGGAGGATGGACACGCCAGGGGCGCTCAGGGGCCCCTTCTC
CATCCGCCTCACCAGCGAGTCCGGCGAGAAGCTCGTCGCCACCGACGTGATCCCG
GAGAACTGGATCCCCAACACAGTCTACGAGTCCAACATCCAGTTCTAG