IDENTIFICATION

Species: *Panicum hallii HAL*

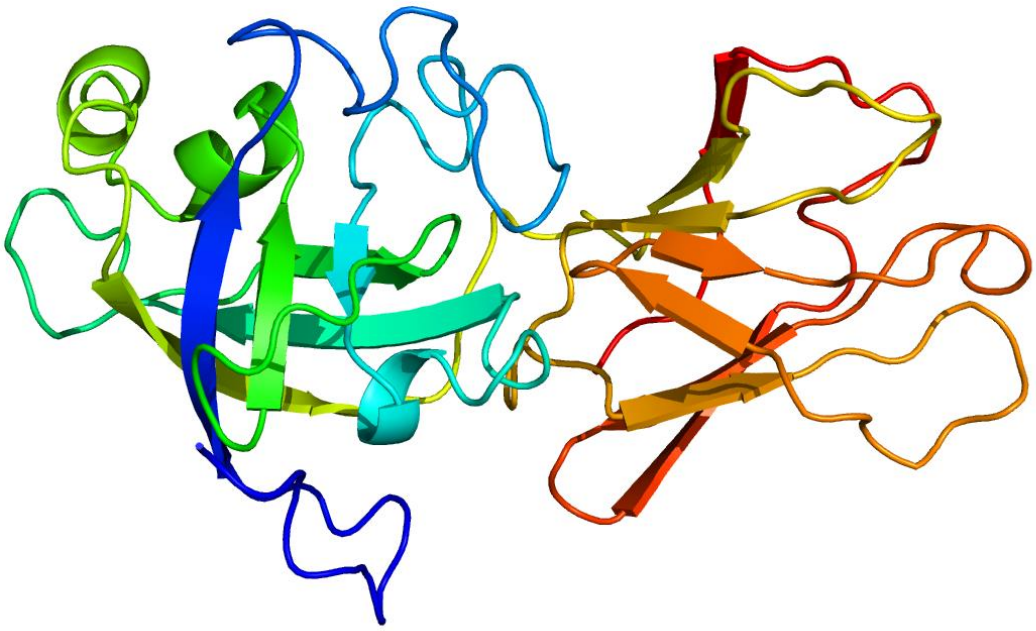
Locus: PhHAL.9G409700

Gene Model: PhHAL.9G409700.1.p

Description: PhhEXPB-26

Family: Beta Expansin

3D structure:



GENOME DATABASES

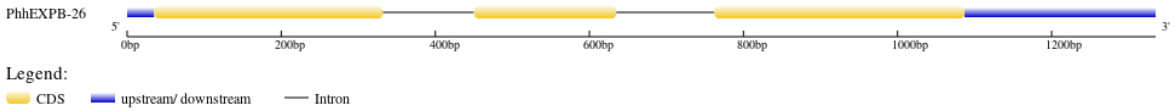
Phytozome: https://phytozome-next.jgi.doe.gov/info/PhalliiHAL_v2_1

KEGG:-

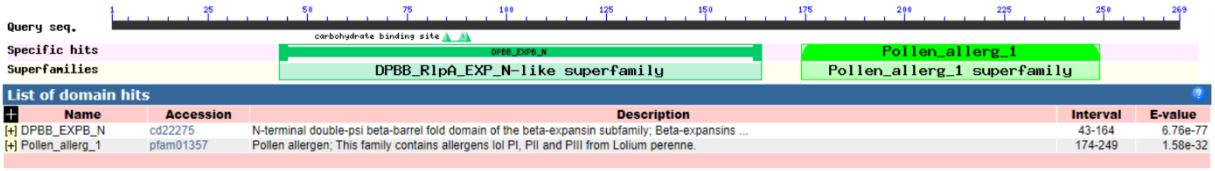
EXTERNAL RESOURCES

-

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhhEXPB-26

MGSLANNIAAVAAVLAALVAGGSCGPPKFPPGPNITANYNGLWLPARATWYGQPNG
AGPADNGGACGIKDVNLPPYSGMTACGNVPIFKDGKGCGSCYEIRCKAPDECSNNPV
TVFITDMNYEPIAPYHFDLSGKAFGALAKPGLNDKLRHCGIIDLEFRRVRCKYVGGQ
KIVFHVEKGSNPNYLAVLVKFVAEDGDIVQMELKEKETPEWKPMKLSWGAIWRFDT
PKALKGPFSIRLTSESGKKLVATDVIPANWIPNTVYKSNIQF*

CDS (coding sequence)

>PhhEXPB-26

ATGGGATCCCTCGCCAATAACATCGCGGCCGTGGCGGCCGTCCTGGCGGCGCTCG
TCGCCGGCGGCTCGTGCGGGCCCCCGAAGTTCCCGCCCGGCCCCAACATCACGGC
CAACTACAACGGCCTGTGGCTTCCCGCCAGGGCCACCTGGTACGGCCAGCCCAAC
GGCGCCGGCCCCGCCGACAACGGCGGCGCGTGCGGGATCAAGGACGTCAACCTG
CCGCCCTACAGCGGCATGACGGCCTGCGGCAACGTCCCCATCTTCAAGGACGGCA
AGGGCTGCGGCTCATGCTACGAAATCAGATGCAAGGCGCCAGACGAGTGCTCTA
ACAACCCGGTGACGGTGTTCATCACCGACATGAACTACGAGCCCATCGCCCCCTA
CCATTTCGACCTCAGCGGCAAGGCCTTCGGCGCCCTGGCCAAGCCCGGCCTCAAC
GACAAGCTCCGCCACTGTGGCATCATCGACCTGGAGTTCAGGAGGGTGCGGTGCA
AGTACGTTGGCGGGCAGAAGATCGTGTTCCACGTGGAGAAGGGGTCAAACCCCA
ACTACCTGGCGGTGCTGGTGAAGTTCGTCGCGGAGGACGGTGACATCGTGCAGAT
GGAGCTCAAGGAGAAGGAGACGCCGGAGTGGAAGCCGATGAAGCTCTCGTGGGG
CGCCATCTGGAGGTTTGACACGCCCAAGGCGCTCAAGGGCCCCTTCTCCATCCGC
CTCACCAGCGAGTCCGGCAAGAAGCTCGTCGCCACCGACGTCATCCCGGCGAACT
GGATCCCCAACACAGTCTACAAGTCCAACATCCAGTTCTAG

Nucleotide

>PhhEXPB-26

ACGCATTCGAATAACAGTTCGCCACAAAGATATATATGGGATCCCTCGCCAATAA
CATCGCGGCCGTGGCGGCCGTCCTGGCGGCGCTCGTCGCCGGCGGCTCGTGCGGG
CCCCCGAAGTTCCCGCCCGGCCCCAACATCACGGCCAACTACAACGGCCTGTGGC

TTCCCGCCAGGGCCACCTGGTACGGCCAGCCCAACGGCGCCGGCCCCGCCGACA
ACGGCGGCGCGTGCGGGATCAAGGACGTCAACCTGCCGCCCTACAGCGGCATGA
CGGCCTGCGGCAACGTCCCCATCTTCAAGGACGGCAAGGGCTGCGGCTCATGCTA
CGAAGTACGTACGGACGACATTGCTTGCCGGAATAATCCTGCAGCACGATGCCGC
CGTCGTCCATGAATCCGAAATAGTAGATGTTAAAGATATAAATTTCTCGTGGCGT
TGCTGCACGCAGATCAGATGCAAGGCGCCAGACGAGTGCTCTAACAACCCGGTG
ACGGTGTTCATCACCGACATGAACTACGAGCCCATCGCCCCCTACCATTTCGACC
TCAGCGGCAAGGCCTTCGGCGCCCTGGCCAAGCCCGGCCTCAACGACAAGCTCCG
CCACTGTGGCATCATCGACCTGGAGTTCAGGAGGTCATTATATTATTTATATTGCT
CGATCGGCTATTCGGCTATCAGCATGCACTTCTCCATGATGCAAGATCTGTACTAC
GTGCAAGCAGAGATGACAATGCAATGCATGAACTGCTGATGCCTGCAGGGTGCG
GTGCAAGTACGTTGGCGGGCAGAAGATCGTGTTCCACGTGGAGAAGGGGTCAAA
CCCCAACTACCTGGCGGTGCTGGTGAAGTTCGTCGCGGAGGACGGTGACATCGTG
CAGATGGAGCTCAAGGAGAAGGAGACGCCGGAGTGGAAGCCGATGAAGCTCTCG
TGGGGCGCCATCTGGAGGTTTGACACGCCCAAGGCGCTCAAGGGCCCCTTCTCCA
TCCGCCTCACCAGCGAGTCCGGCAAGAAGCTCGTCGCCACCGACGTCATCCCGGC
GAACTGGATCCCCAACACAGTCTACAAGTCCAACATCCAGTTCTAGATTTTCTGA
CATCACTTGAACCGCGTGCTGCAGTAAGTGGTCGCTAACTTTTTTTGGCATGAGC
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ATTCTGTATATCATCGATGGATAGTTGAAACGTGCTACTGATATAAGCATCAAAC
TGTTCCAACTTAACTTGCG