

IDENTIFICATION

Species: *Panicum hallii* HAL

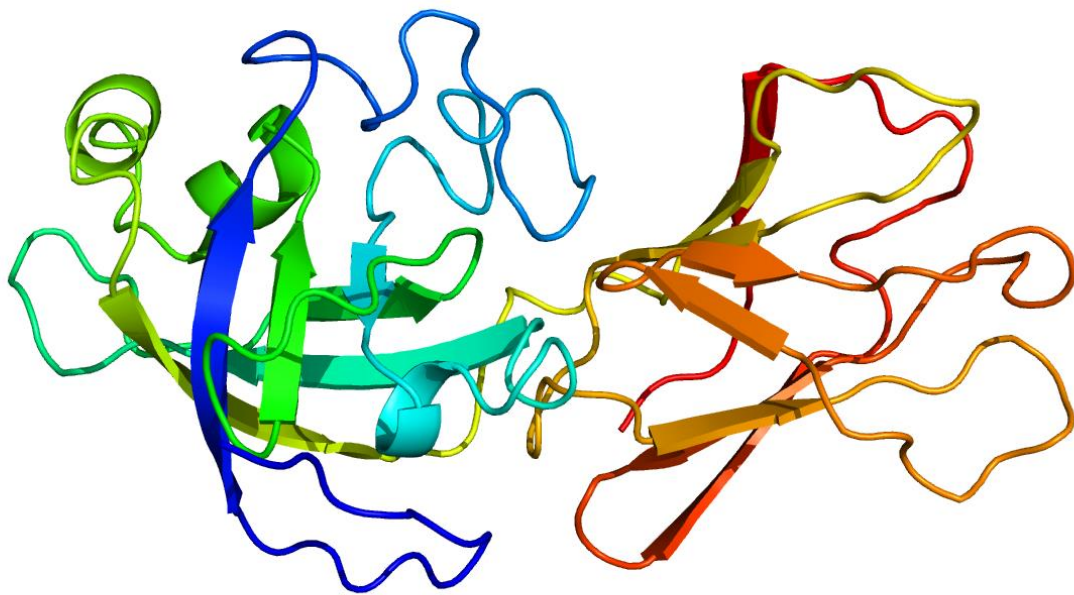
Locus: PhHAL.9G404100

Gene Model: PhHAL.9G404100.1.p

Description: PhhEXPB-20

Family: Beta Expansin

3D structure:



GENOME DATABASES

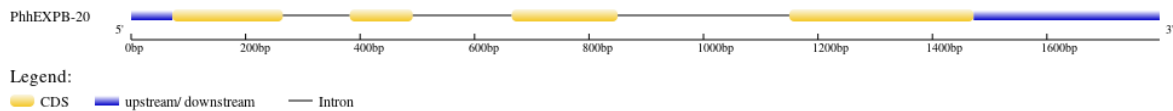
Phytozome: https://phytozome-next.jgi.doe.gov/info/PhalliiHAL_v2_1

KEGG:-

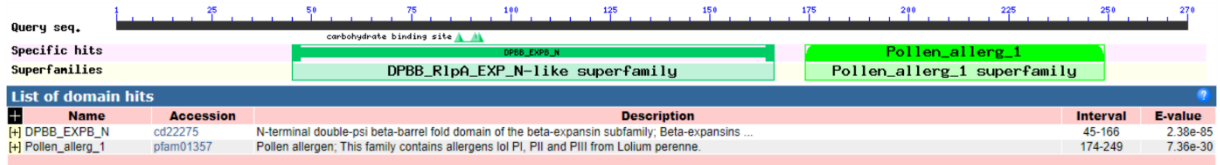
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhhEXPB-20

MASMIAGSSKVVVALIFSLLVSYGSCARPPPVNLNASAFTADPNWEAARATWYGAPT
GAGPDDDDGGACGFKNVNLPPFSSMTSCGNEPLFKDGKGCSCYQIRCTNHAACSGN
PETVIITDMNYYPVSKYHFDLSGTAFGAMAKPGRNDEL RHAGIIDIQFKRVPCDYPGQ
KVTFHVEEGSNPVYFAVLVEFEDGDGDAVQVDLMEASSGSWTPMRESWGSIWRLDS
NHRLQAPFSLRITNESGKQLVASNVIPANWV PNTYYRSIVQY*

CDS (coding sequence)

>PhhEXPB-20

ATGGCGTCCATGATCGCCGGCTCGTCCAAGGTGGTGGTTGCACTGATCTTCTCCCT
CCTTGTCTCGTACGGCTCGTGCCTAGGCCGCCGGTGAACCTAACGCCTCT
GCCTTACCGCCGACCCCAACTGGGAGGCTGCCAGGGCCACCTGGTACGGCGCGC
CCACCGGCGCCGGCCCCGACGACGATGGTGGCGCCTGCGGGTTCAAGAACGTCA
ACCTGCCGCCGTTCTCGTCCATGACGTCGTGCGGCAACGAGCCCCTGTTCAAGGA
CGGCAAGGGCTGCGGATCCTGCTACCAGATTCGATGCACTAACCACGCTGCGTGC
TCCGGCAACCCGGAGACGGTGATCATCACGACATGAACTACTACCCGGTGTCCA
AGTACCACTTCGACCTCAGCGGCACGGCGTTCGGCGCCATGGCCAAGCCCGGCCG
CAACGACGAGCTCCGCCACGCCGGCATCATCGACATCCAGTTCAAGAGAGTGCCC
TGCGACTACCCCGGGCAGAAGGTGACCTTCCACGTCGAGGAGGGCTCGAACCCC
GTCTACTTCGCGGTGCTCGTTCGAGTTCGAGGACGGCGACGGCGACGCTGTGCAGG
TGGACCTCATGGAGGCCAGCTCCGGGTCGTGGACGCCGATGCGCGAGTCCTGGG
GATCCATCTGGAGGCTGGACTCGAACCACGGCTGCAGGCGCCCTTCTCGCTGCG
CATCACCACGAGTCCGGCAAGCAGCTGGTGGCCAGCAACGTCATCCCGGCCAA
CTGGGTGCCCAACACCTACTACCGCTCCATCGTCCAGTACTAG

Nucleotide

>PhhEXPB-20

CGAAACACAGAGCTTCTTGTCTGACCAGCGCTAGCAACTAATTACGAGCTAGTAG
CTAGTAAGACAACGACGATGGCGTCCATGATCGCCGGCTCGTCCAAGGTGGTGGT
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ACATGTATATGATCACCGATGGTCGCCGGCGCCTGGCGCCTGGCGATCTTGCCGT
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ACGGCGTTTCGGCGCCATGGCCAAGCCCGGCCGCAACGACGAGCTCCGCCACGCC
GGCATCATCGACATCCAGTTCAAGAGGTCGGTAACACACGCATCTCTTATTTTAT
GGAATCACAGACCGACCAAATAATCTGTAGTAGGCCCTGCACGAACAGAATCAT
ATCTTGACCGTCTAGCTACTACTTTGCCGTGGAGCCCTTGTACTTTTGCCCAACCA
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