

IDENTIFICATION

Species: *Panicum hallii* HAL

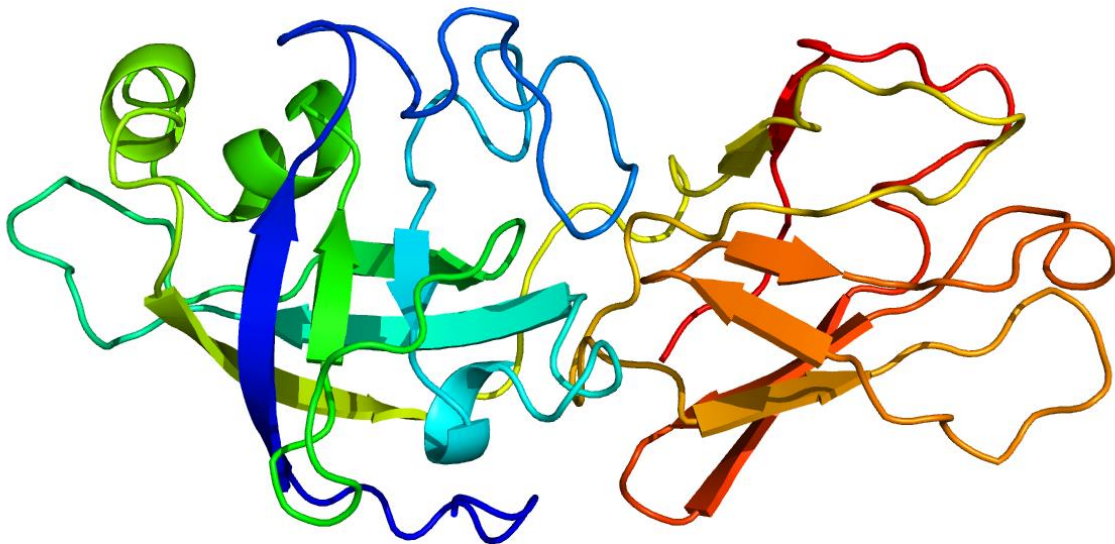
Locus: PhHAL.9G404700

Gene Model: PhHAL.9G404700.1.p

Description: PhhEXPB-24

Family: Beta Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

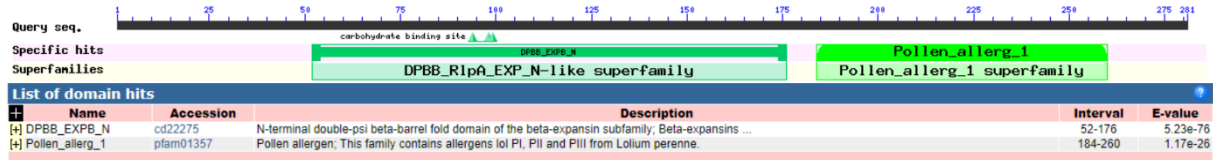
EXTERNAL RESOURCES

-

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhhEXPB-24

MAAVMISFKAIALVAALLLPVLGAHAEPSYNNVTSARRELYYSAGSTPSSTWRPARA
TWYGRPNGAGPDNNGGGCGYSNTNQYPFNSMTSCGNQPLFLDGKGCAGYQIRCTS
KNNPACSGEPKTVIITDVNYDTKVAPYHFDLSGTAFGAMARPGYNDKLRASGILDIQF
RRVPCSYRGLPVRFHVMGGCNPYFAVIVYYAGSDGAVVQVELKEANSNTWRPLYE
SWGAVWRIDPGHPLKAPLSLRVRSDSGKVLVANNVIPVNWRGNADYRTIAQFR*

CDS (coding sequence)

>PhhEXPB-24

ATGGCCGCCGTGATGATCTCCTTCAAGGCTATTGCACTGGTGGCAGCACTCCTCCT
CCCCGTGCTGGGCGCTCACGCCGAGCCGAGCTACAATAACGTCACCTCCGCCC
AGGGAGCTGTACTACTCCGCCGGCTCCACCCCCAGCAGCACCTGGCGGCCTGCCA
GGGCCACCTGGTACGGTCGCCCCAACGGCGCCGGCCCTGACAACAACGGTGGCG
GGTGTGGGTACAGCAACACCAACCAGTACCCGTTCAACTCCATGACGTCGTGCGG
CAACCAGCCCCTGTTCTTGGACGGCAAGGGCTGCGGCGCATGCTATCAGATAAGG
TGCACCAGCAAGAACAACCCTGCCTGCTCCGGCGAGCCCAAGACGGTGATCATC
ACCGACGTGAACACTACGACACCAAGGTCGCCCCCTACCACTTCGACCTCAGCGGCA
CGGCGTTCGGAGCCATGGCCAGGCCCGGCTACAACGACAAGCTCCGCAGCGCCG
GCATCCTGGACATCCAGTTCGGCGGGTGCCTTGCAGCTACAGGGGCCTGCCGGT
GAGGTTCCACGTGATGGGCGGCTGCAACCCCTTCTACTTCGCGGTCATCGTGTA
TACGCCGGCAGCGACGGCGCCGTGGTGCAGGTGGAGCTGAAGGAGGCCAACTCC
AACACGTGGCGGCCGCTCTACGAGTCCTGGGGCGCCGTCTGGAGGATCGACCCCG
GCCACCCGCTCAAGGCGCCCCTCTCGCTGCGCGTCCGCAGCGACTCCGGCAAGGT
CCTCGTCGCTAACAACGTCATCCCGGTCAACTGGAGGGGCAACGCCGACTACCGC
ACCATTGCCAGTTCGCTGA

Nucleotide

>PhhEXPB-24

GCCAAAAGCAGAGGAGATCAAGCTGGGATCCATGGCCGCCGTGATGATCTCCTT
AAGGCTATTGCACTGGTGGCAGCACTCCTCCTCCCCGTGCTGGGCGCTCACGCC
AGCCGAGCTACAATAACGTCACCTCCGCCCGCAGGGAGCTGTACTACTCCGCCG

CTCCACCCCCAGCAGCACCTGGCGGCCTGCCAGGGCCACCTGGTACGGTCGCCCC
AACGGCGCCGGCCCTGACAACAACGGTATGTGCCGGAGCTAATGCTGCCTTGCTG
TGCGTCTGAGACTGTCCTCGCCGGTCGCGATGCTGATCGATCGATACGATCTGCA
GGTGGCGGGTGTGGGTACAGCAACACCAACCAGTACCCGTTCAACTCCATGACGT
CGTGCGGAACCAGCCCCCTGTTCTTGGACGGCAAGGGCTGCGGCGCATGCTATCA
GGTACGAGCATGAGCATGAGCATTCTAAGCAATGTCACAATGCATGATAATATGC
ATCGATCTTCTTCACGTACGTTCTGAACTTCTGATTGCTCTGCCTATATGCTTCAG
ATAAGGTGCACCAGCAAGAACAACCCTGCCTGCTCCGGCGAGCCCAAGACGGTG
ATCATCACCGACGTGAACTACGACACCAAGGTCGCCCCCTACCACTTCGACCTCA
GCGGCACGGCGTTCGGAGCCATGGCCAGGCCCGGCTACAACGACAAGCTCCGCA
GCGCCGGCATCCTGGACATCCAGTTCCGGCGGGTGCCCTGCAGCTACAGGGGCCT
GCCGGTGAGGTTCCACGTGATGGGCGGCTGCAACCCCTTCTACTTCGCGGTCATC
GTGTACTIONCGCCGGCAGCGACGGCGCCGTGGTGCAGGTGGAGCTGAAGGAGGCC
AACTCCAACACGTGGCGGCCGCTCTACGAGTCCTGGGGCGCCGTCTGGAGGATCG
ACCCCGGCCACCCGCTCAAGGCGCCCCCTCTCGCTGCGCGTCCGCAGCGACTCCGG
CAAGGTCCTCGTCGCTAACAACGTCATCCCGGTCAACTGGAGGGGCAACGCCGAC
TACCGCACCATTTGCCAGTTCGCTGAACGCTCGCCGGCGGCAATAGATCACTCA
CAATCATCTGCTCGGCCGGTTCATTACTTTTTGTATCGTCGTCGATCAATCATGTG
ATTGCGAATTTGCAGTGGATTTTTCTTTACTGTCTTTGCGAGGTTTCTTGTGAGATT
ATTGTTGCTCCTACTTGCGATTTGGAGAATTATTCTAGGTAAGTCTTGAGAAAATT
CTTTGTGCACCATTGAAACCTATAACAATCCCTTCATTGACATCCAAAATTAGAG
GATCCCTTCATTGCCATTAATTCTAATTTTCATTCCCTTATCTGTCATTACCATTAC
TTTTAGCACAAATCACACCATCACACCGATAAAATGTGAATAATTTTTTTTCGTTAT
CCCGATTTTACCCCTCCAACATTTCTCTTTCCCCGAATCACTCCATTCCAAACCTA
GCTCGAGCTGCTCGCGGACGTCCGGAAGTGGAGGCGCGCGCGGATCCGGCGAGCA
GGCACGCGCGGCCCCCGGACGAGCAGCAGGC