

IDENTIFICATION

Species: *Panicum hallii* HAL

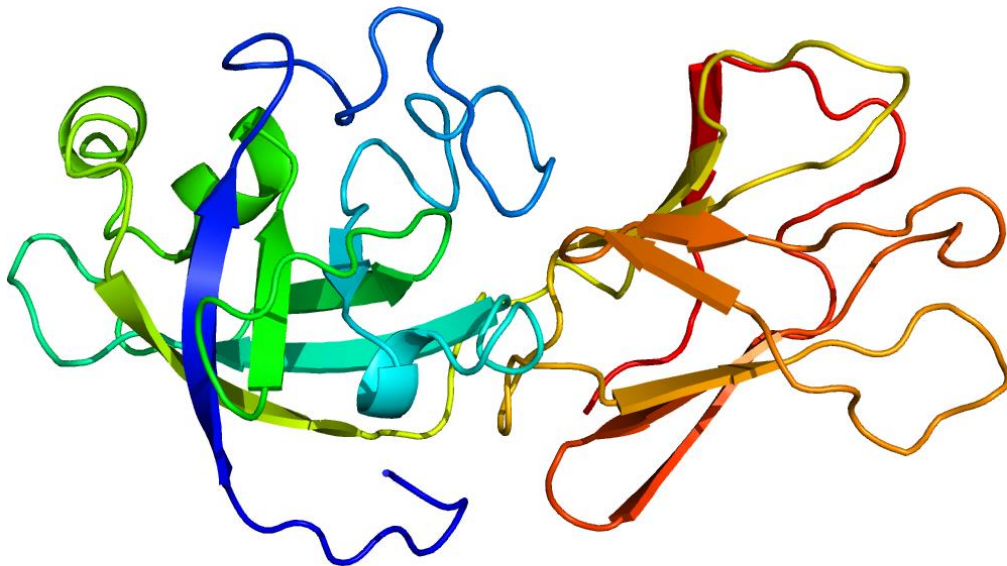
Locus: PhHAL.9G650700

Gene Model: PhHAL.9G650700.1.p

Description: PhhEXPB-33

Family: Beta Expansin

3D structure:



GENOME DATABASES

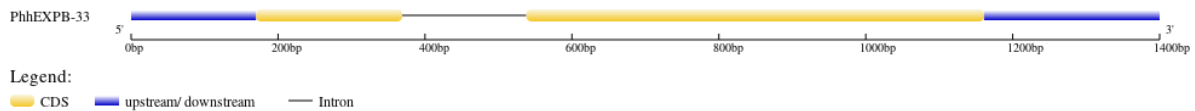
Phytozome: https://phytozome-next.jgi.doe.gov/info/PhaliiHAL_v2_1

KEGG:-

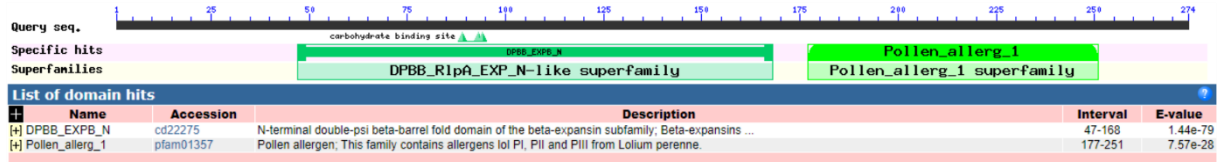
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhhEXPB-33

MSSGGGGVPLTTTMMAVTVSSLLLLLGAGSAAVSYNDSSLMQMPMQWGSARATW
YGQPNGAGPYDNGGACGFKNVNQYPFLSMTSCGNQPLFRDGGKCGSCYKIRCSKHP
ACSGRTQTVVITDMNYYPVAPYHFDLSGTAFGKLAQKPRNDDLRRAGIIDVQFARVP
CEFPGLKVG FHVEDGSSQVYFAVLVEYENGDGDVAQVDLREARSRRWTPMRQSWG
SVWRLDSNHRLQPPFSIRLRSDSGKTLVAPDVIPVNW RPNTFYRSFVQYSS*

CDS (coding sequence)

>PhhEXPB-33

ATGAGCTCTGGCGGCGGTGGTGTCCCGCTGACGACGACGATGATGGCGGTGACC
GTCTCTTCCCTGCTGCTGCTCCTGGGCGCCGGCTCCGCGGCCGTGAGCTACAACG
ACTCATCCTTGATGCAGATGCCGATGCAGTGGGGAAGCGCCAGGGCCACCTGGTA
CGGCCAGCCCAACGGCGCAGGCCCATACGACAACGGCGGCGCTTGCGGCTTCAA
GAATGTGAACCAGTACCCCTTCTGTCATGACCTCCTGCGGCAACCAGCCGCTG
TTCCGCGACGGCAAGGGCTGCGGCTCCTGCTACAAGATCAGGTGCTCCAAGCACC
CCGCTGCTCCGGCCGCACCCAGACGGTCGTCATCACCGACATGA ACTACTACCC
CGTCGCGCCCTACCACTTCGACCTCAGCGGCACCGCCTTCGGCAAGCTCGCCAAG
CCCGGCCGCAACGACGACCTCCGCCGCGCCGGCATCATCGACGTCCAGTTCGCCA
GGGTGCCCTGCGAGTTCCCTGGCCTCAAGGTCGGCTTCCACGTGAGGACGGCTC
CAGCCAGGTCTACTTCGCCGTGCTCGTTCGAGTACGAGAACGGCGACGGCGACGTC
GCGCAGGTGGACCTCAGGGAGGCCCGGAGCCGCGCTGGACGCCCATGCGCCAG
TCCTGGGGATCCGTCTGGCGCCTCGACTCCAACCACCGCCTGCAGCCGCCCTTCTC
CATCCGCCTGCGCAGCGACTCCGGCAAGACGCTGGTGGCACCAGACGTCATCCCC
GTCAACTGGAGGCCCAACACATTCTACAGATCATTCGTCCAGTACTCCTCCTAG

Nucleotide

>PhhEXPB-33

CCATCCATCGCCAGCGCCAACACACACAGGTCCGGTAGACTCCGATCGATCCGCTC
CTCCCCTCCCTCTCCTATCCGGCCGGCCGCTAGATCCATCCATCCATCCGGGGGTC
GTCTCTGCGCGCGGCCTAGCTAGCTGCTGGAAACGATCGAATTGAAGCAGATCAT

CACAATGAGCTCTGGCGGCGGTGGTGTCCCGCTGACGACGACGATGATGGCGGT
GACCGTCTCTTCCCTGCTGCTGCTCCTGGGCGCCGGCTCCGCGGCCGTGAGCTAC
AACGACTCATCCTTGATGCAGATGCCGATGCAGTGGGGAAGCGCCAGGGCCACC
TGGTACGGCCAGCCCAACGGCGCAGGCCATAACGACAACGGTACGTATGTGTGT
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ATTGCATTGGATGCATGATCGATGAATTGATTCCACTAGCTAGCCACCTAATAAT
ATAAGTAGCTAGATAATTTCTAAGCTAGTATGCTTAAAATGCAGGCGGCGCTTGC
GGCTTCAAGAATGTGAACCAGTACCCCTTCTGTCCATGACCTCCTGCGGCAACC
AGCCGCTGTTCCGCGACGGCAAGGGCTGCGGCTCCTGCTACAAGATCAGGTGCTC
CAAGCACCCCGCCTGCTCCGGCCGCACCCAGACGGTCGTCATCACCGACATGAAC
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TCGCCAAGCCCGGCCGCAACGACGACCTCCGCCGCGCCGGCATCATCGACGTCCA
GTTCCGCCAGGGTGCCCTGCGAGTTCCCTGGCCTCAAGGTTCGGCTTCCACGTGAG
GACGGCTCCAGCCAGGTCTACTTCGCCGTGCTCGTCGAGTACGAGAACGGCGACG
GCGACGTGGCGCAGGTGGACCTCAGGGAGGCCCGGAGCCCGCTGGACGCCCA
TGCGCCAGTCTGGGGATCCGTCTGGCGCCTCGACTCCAACCACCGCCTGCAGCC
GCCCTTCTCCATCCGCTGCGCAGCGACTCCGGCAAGACGCTGGTGGCACCAGAC
GTCATCCCCGTCAACTGGAGGCCCAACACATTCTACAGATCATTTCGTCCAGTACT
CCTCCTAGCTAGCTAGCTCTGGTAGTTGATGATTCAATTCGAGAGCATCGTCGATC
TATCTGTCGTCCGATCGACGATCCTCATTCAATTCATCGCATGTATCTACAATACT
ACTGTACGGAGACGGACCCTAATGGAGGTCAAACCTCAAACCTGGGCTCCGCCCCCT
GCGTGCTTTAGAAAATTTCTAAAAGATAATACTAGCATTGTTGGCCACCAATATTA
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