IDENTIFICATION

Species: *Panicum hallii HAL*

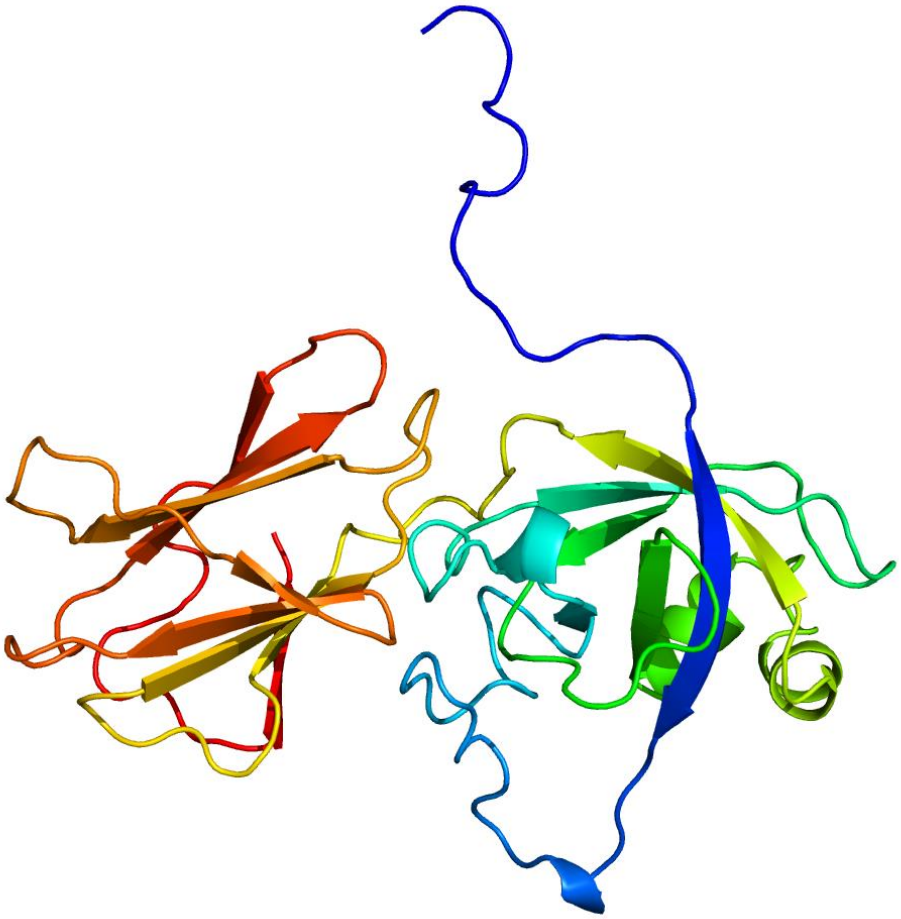
Locus: PhHAL.9G649200

Gene Model: PhHAL.9G649200.1.p

Description: PhhEXPB-30

Family: Beta Expansin

3D structure:



GENOME DATABASES

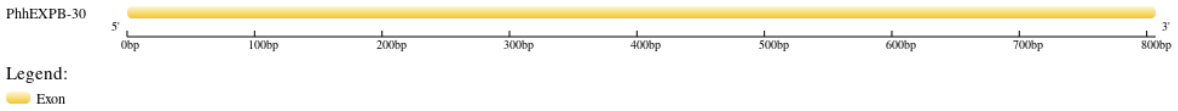
Phytozome: https://phytozome-next.jgi.doe.gov/info/PhalliiHAL_v2_1

KEGG:-

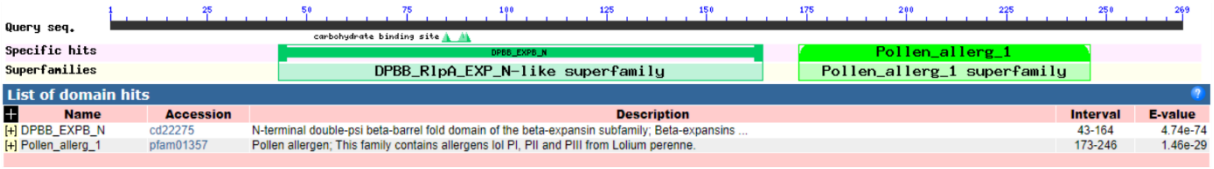
EXTERNAL RESOURCES

-

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhhEXPB-30

MAAASTHLVAVAVVLAALVGGAWCGPPKVPPGKNISADCDGKWLEAKATWYGKP
TGAGPDDNGGACGYKEVNKAPFNSMGACGNSPIFKDGLGCGSCYEIKCDKPAECSG
EPVIVYITDMNYEPIAAYHFDLAGTAFGAMAKKGEEENLRKAGIIDMQFRRVKCKYP
ADTKIAFHVEKGCNPNYLALLVKYAAGDGDIVGVDIKEKGAKEYQSLKHSWGAIWR
MDTPKPIKGPISIRITSEGGKTLEQEDVIPEGWKPDTLYRSKLQF*

CDS (coding sequence)

>PhhEXPB-30

ATGGCGGCGGCGTCGACGCATCTTGTTGCGGTGGCAGTGGTGCTCGCGGCGCTGG
TGGGCGGCGCATGGTGCGGTCCGCCCAAGGTTCCCCCGGGCAAGAACATCTCGGC
AGACTGCGACGGCAAGTGGCTGGAGGCCAAGGCGACGTGGTACGGCAAGCCGAC
AGGCGCGGGGCCCGACGACAACGGCGGCGCCTGCGGGTACAAGGAGGTGAACA
AGGCTCCCTTCAACAGCATGGGGGCGTGCGGCAACTCGCCCATCTTCAAGGACGG
CCTCGGCTGCGGCTCCTGCTACGAGATCAAGTGCGACAAGCCCGCCGAGTGCTCC
GGCGAGCCCGTCATCGTCTACATCACCGACATGAACTACGAGCCCATCGCCGCCT
ACCACTTCGACCTGGCCGGCACGGCCTTTGGAGCCATGGCCAAGAAGGGGGAGG
AGGAGAACCTGCGCAAGGCGGGCATCATCGACATGCAGTTCCGCCGCGTCAAGT
GCAAGTACCCGGCCGACACCAAGATCGCCTTCCACGTCGAGAAGGGCTGCAACC
CCAACTACCTGGCGCTGCTCGTCAAGTACGCCGCCGGCGACGGCGACATCGTCGG
CGTCGACATCAAGGAGAAGGGTGCCAAAGAGTACCAGTCCCTGAAGCACTCTTG
GGGTGCCATCTGGAGGATGGACACCCCCAAGCCGATCAAGGGCCCCATCTCCATC
CGCATCACCAGCGAGGGAGGCAAAACGCTCGAACAGGAGGATGTCATCCCCGAA
GGCTGGAAGCCCGACACCCTCTACCGCTCCAAGCTCCAGTTCTGA

Nucleotide

>PhhEXPB-30

ATGGCGGCGGCGTCGACGCATCTTGTTGCGGTGGCAGTGGTGCTCGCGGCGCTGG
TGGGCGGCGCATGGTGCGGTCCGCCCAAGGTTCCCCCGGGCAAGAACATCTCGGC
AGACTGCGACGGCAAGTGGCTGGAGGCCAAGGCGACGTGGTACGGCAAGCCGAC
AGGCGCGGGGCCCGACGACAACGGCGGCGCCTGCGGGTACAAGGAGGTGAACA

AGGCTCCCTTCAACAGCATGGGGGCGTGCGGCAACTCGCCCATCTTCAAGGACGG
CCTCGGCTGCGGCTCCTGCTACGAGATCAAGTGCGACAAGCCCGCCGAGTGCTCC
GGCGAGCCCGTCATCGTCTACATCACCGACATGAACTACGAGCCCATCGCCGCCT
ACCACTTCGACCTGGCCGGCACGGCCTTTGGAGCCATGGCCAAGAAGGGGGAGG
AGGAGAACCTGCGCAAGGCGGGCATCATCGACATGCAGTTCCGCCGCGTCAAGT
GCAAGTACCCGGCCGACACCAAGATCGCCTTCCACGTCGAGAAGGGCTGCAACC
CCAACTACCTGGCGCTGCTCGTCAAGTACGCCGCCGGCGACGGCGACATCGTCGG
CGTCGACATCAAGGAGAAGGGTGCCAAAGAGTACCAGTCCCTGAAGCACTCTTG
GGGTGCCATCTGGAGGATGGACACCCCCAAGCCGATCAAGGGCCCCATCTCCATC
CGCATCACCAGCGAGGGAGGCAAAACGCTCGAACAGGAGGATGTCATCCCCGAA
GGCTGGAAGCCCGACACCCTCTACCGCTCCAAGCTCCAGTTCTGA