

IDENTIFICATION

Species: *Panicum hallii* HAL

Locus: PhHAL.9G649300

Gene Model: PhHAL.9G649300.1.p

Description: PhhEXPB-31

Family: Beta Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

EXTERNAL RESOURCES

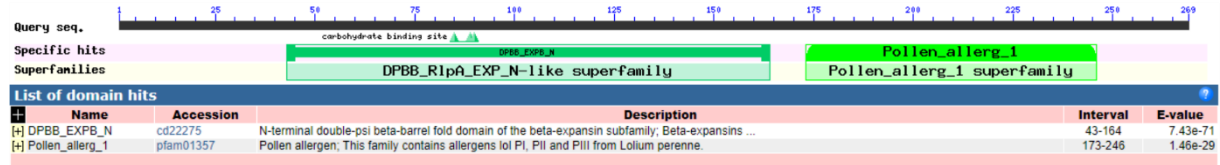
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GENE STRUCTURE



Legend:
Exon

DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhhEXPB-31

MAAASTHLVAVAVVLVALVGGAWCGPPKVPPGKNISADCDGKWLEAKATWYGKP
TGAGPDDNGSACGYKDVNKAPFNMSGACGNSPIFKDGLGCGSCYEIKCDKPAECSSE
PVIVYITDMNYEPIAA YHFDLAGTAFGAMAKKGEEELRKAGIIDMQFRHVCKCKYPA
DTKIAFHVEKGCNPNYLALLVKYAAGDGDIVGVDIKEKGAKEYQSLKHSWGAIWR
MDTPKPIKGPISIRITSEGGKTLEQEDVIPEGWKPD TLYRSKLQF*

CDS (coding sequence)

>PhhEXPB-31

ATGGCGGCGGCGTTCGACGCATCTTGTGCGGTGGCGGTGGTGCTCGTGCGCTGG
TGGGCGGCGCATGGTGCAGTCCGCCAAGGTTCCCCGGGAAAGAACATCTCGG
CAGACTGCGACGGCAAGTGGCTGGAGGCCAAGGCGACGTGGTACGGCAAGCCGA
CAGGCGCGGGGCCGACGACAACGGCAGCGCCTGCGGGTACAAGGACGTGAACA
AGGCTCCCTTCAACAGCATGGGGGCGTGCGGCAACTCGCCCATCTTCAAGGATGG
CCTCGGCTGCGGCTCCTGCTACGAGATCAAGTGCACAAAGCCCGCCGAGTGCTCC
AGCGAGCCCGTCATCGTCTACATCACCGACATGAACTACGAGCCCATCGCCGCT
ACCACTTCGACCTGGCCGGCACGGCCTTTGGAGCCATGGCCAAGAAGGGGGAGG
AGGAGAAGCTGCGCAAGGCGGGCATCATCGACATGCAGTTCCGCCACGTCAAGT
GCAAGTACCCGGCCGACACCAAGATCGCCTTCCACGTGAGAAAGGGCTGCAACC
CCAACCTGGCGCTGCTCGTCAAGTACGCCGCGGCGACGGCGACATCGTCCG
CGTCGACATCAAGGAGAAGGGTGCCAAAGAGTACCAGTCCCTGAAGCACTCTTG
GGGCGCCATCTGGAGGATGGACACCCCAAGCCGATCAAGGGCCCCATCTCCATC
CGCATCACCGAGGAGGGAGGCAAAACGCTCGAACAGGAGGATGTCATCCCCGAA
GGCTGGAAGCCCGACACCTCTACCGCTCCAAGCTCCAGTTCTGA

Nucleotide

>PhhEXPB-31

ATGGCGGCGGCGTTCGACGCATCTTGTGCGGTGGCGGTGGTGCTCGTGCGCTGG
TGGGCGGCGCATGGTGCAGTCCGCCAAGGTTCCCCGGGAAAGAACATCTCGG
CAGACTGCGACGGCAAGTGGCTGGAGGCCAAGGCGACGTGGTACGGCAAGCCGA

CAGGCGCGGGGCCCCGACGACAACGGCAGCGCCTGCGGGTACAAGGACGTGAACA
AGGCTCCCTTCAACAGCATGGGGGCGTGCGGCAACTCGCCCATCTTCAAGGATGG
CCTCGGCTGCGGCTCCTGCTACGAGATCAAGTGCGACAAGCCCGCCGAGTGCTCC
AGCGAGCCCGTCATCGTCTACATCACCGACATGAACTACGAGCCCATCGCCGCCT
ACCACTTCGACCTGGCCGGCACGGCCTTTGGAGCCATGGCCAAGAAGGGGGAGG
AGGAGAAGCTGCGCAAGGCGGGCATCATCGACATGCAGTTCCGCCACGTCAAGT
GCAAGTACCCGGCCGACACCAAGATCGCCTTCCACGTGAGAAAGGGCTGCAACC
CCAACTACCTGGCGCTGCTCGTCAAGTACGCCGCCGGCGACGGCGACATCGTCGG
CGTCGACATCAAGGAGAAGGGTGCCAAAGAGTACCAGTCCCTGAAGCACTCTTG
GGGCGCCATCTGGAGGATGGACACCCCAAGCCGATCAAGGGCCCCATCTCCATC
CGCATCACCAGCGAGGGAGGCAAAACGCTCGAACAGGAGGATGTCATCCCCGAA
GGCTGGAAGCCCGACACCCTCTACCGCTCCAAGCTCCAGTTCTGA