

IDENTIFICATION

Species: *Panicum hallii* HAL

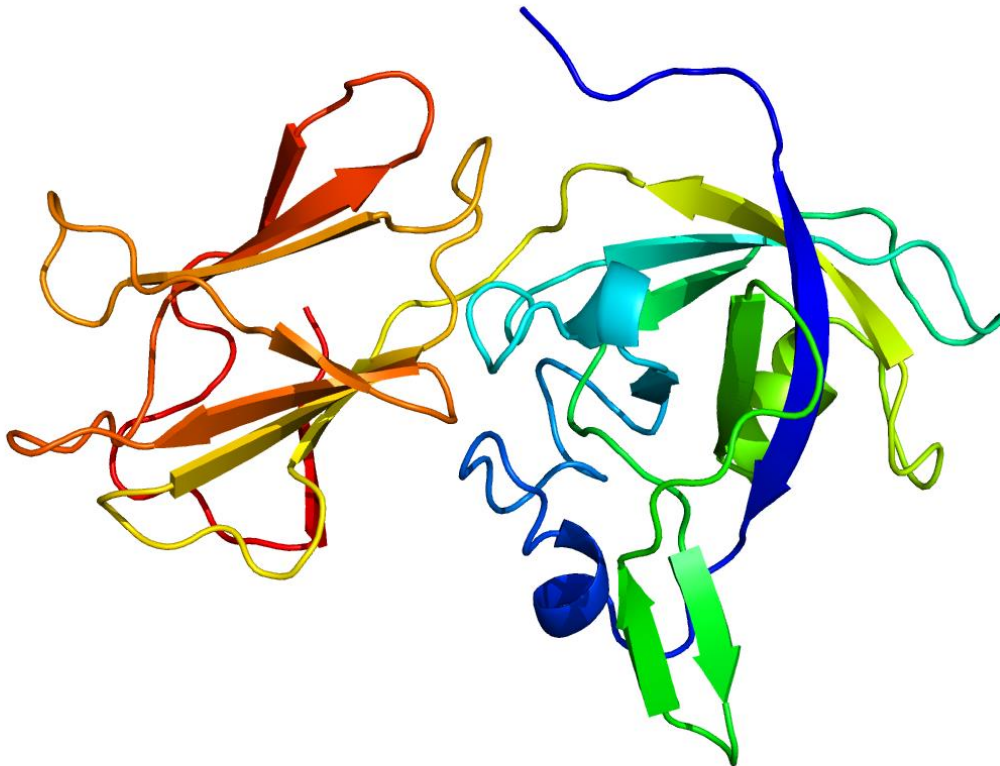
Locus: PhHAL.5G416600

Gene Model: PhHAL.5G416600.1.p

Description: PhhEXPA-14

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

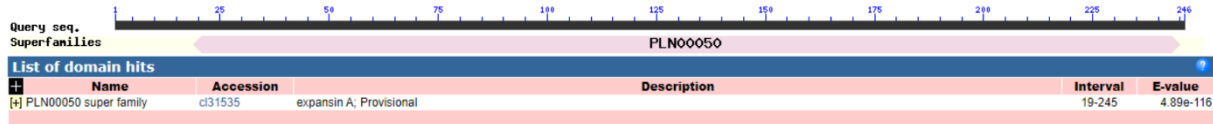
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhhEXPA-14

MESLGLLVLA VAAVLKLAGADSGWNGGRATFYGGNDASGTMGGACGYGNLYSAG
YGTNTAALSTALFNNGRSCGACFEIRCSGGRSCLSGSAVVTATNFCPPNYALPNNG
GWCNPPQPHFDLAEPVFSKIAQASAGVVPVQYRRVACTKQGGIRFTISGHSYFVLVLI
TNVGGAGDVTAVSVKGSRTGWQSMHNWGANWQSNALLDRQALS FQVTTSDGRS
VTSANAAPSGWSYGQTYSGNQF*

CDS (coding sequence)

>PhhEXPA-14

ATGGAGTCCCTAGGCTTGCTGGTTCTTGCCGTCGCCGCCGTGCTCAAGCTCGCCG
GCGCCGACTCCGGCTGGAACGGCGGCCGCGCCACGTTCTACGGCGGCAACGATG
CCTCCGGCACCATGGGAGGAGCGTGCGGCTACGGCAACTTGTACAGTGCGGGGT
ACGGGACGAACACGGCGGCGCTGAGCACCGCGCTGTTCAACAACGGGCGGAGCT
GCGGCGCGTGCTTCGAGATCCGGTGCTCCGGCGGCCGACGCTGCCTGTCTGGCTC
CGCCGTGGTGACGGCCACCAACTTCTGCCCCGCCAACTACGCGCTCCCCAACAAC
AACGGCGGGTGGTGCAACCCGCCGACCCGCACTTCGACCTCGCCGAGCCGGTCT
TCTCCAAGATCGCCCAGGCCAGCGCCGGCGTCTGCCCCGTCCAGTACAGGAGGGT
GGCATGCACCAAGCAGGGCGGCATCCGGTTCACCATCTCCGGCCACTCCTACTTC
GTCCTGGTGCTGATCACGAATGTGGGCGGCCGCGGCGACGTGACGGCGGTGTCG
GTGAAGGGGTGCGCGACCGGGTGGCAGTCCATGAGCCACAACCTGGGGCGCCAAC
TGGCAGAGCAACGCCCTGCTCGACCGCCAGGCGCTGTCGTTCCAGGTCACCACCA
GCGACGGCCGACGCTCACGTCCGCCAACGCCGCGCCCAGCGGCTGGAGCTACG
GCCAGACCTACTCTGGCAACCAGTTCTAG

Nucleotide

>PhhEXPA-14

CGCACTCGCACTGCAGCAAGTTGAGAGCCAGCAACTGCAAGCCTAGTGGTGCTCG
TCTAGAGCTGCAAGTACGGGACTGCAAATCCCTAGCAAGATCGATCTATCTATCT
ATCTTTATTAGTAGTTGCCTCTGCTAACTCGCTTTGTTGATGCTTTTTAGAAGGAT
ATTCTATACAATGGAGTCCCTAGGCTTGCTGGTTCTTGCCGTCGCCGCCGTGCTCA
AGCTCGCCGGCGCCGACTCCGGCTGGAACGGCGGCCGCGCCACGTTCTACGGCG
GCAACGATGCCTCCGGCACCATGGGTGAGCAGACACAGATTGCTGCACGGAGAT

GCAGCTAAGGAATTGAAGCCTGTTTCAATTCATATATCCGCTCGTTGCATTATTGA
TGGTGTTCTTTGTGATCTGCAGGAGGAGCGTGCGGCTACGGCAACTTGTACAGTG
CGGGGTACGGGACGAACACGGCGGGCGCTGAGCACCGCGCTGTTCAACAACGGGC
GGAGCTGCGGGCGCGTGCTTCGAGATCCGGTGCTCCGGCGGGCCGCAGCTGCCTGTC
TGGCTCCGCCGTGGTGACGGCCACCAACTTCTGCCCGCCCAACTACGCGCTCCCC
AACAAACAACGGCGGGTGGTGCAACCCGCCGCAGCCGCACTTCGACCTCGCCGAG
CCGGTCTTCTCCAAGATCGCCCAGGCCAGCGCCGGCGTCGTGCCCGTCCAGTACA
GGAGGTTTCGTGCTGGCACTGACACAGTGACACCGACCACATTTAACCATCTCTCG
AACCAAGCTTGATGGACAAAGCTTGTGCATCAGAACTGATGCATGAACTCTGTGC
AGGGTGGCATGCACCAAGCAGGGGCGGCATCCGGTTCACCATCTCCGGCCACTCCT
ACTTCGTCCTGGTGCTGATCACGAATGTGGGGCGGCCCGGCGACGTGACGGCGGT
GTCGGTGAAGGGGTCGCGGACCGGGTGGCAGTCCATGAGCCACAACCTGGGGCGC
CAACTGGCAGAGCAACGCCCTGCTCGACCGCCAGGCGCTGTTCGTTCCAGGTCACC
ACCAGCGACGGCCGCAGCGTCACGTCCGCCAACGCCGCGCCCAGCGGCTGGAGC
TACGGCCAGACCTACTCTGGCAACCAGTTCTAGCCGCCGGCCACCATTAGCAGCG
CAGTGTGCGTCGCCGGAGGAGGGCTCTGTTTTGAAGCAGCTCGCTCGTGAGCGGC
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CCGACTCGCAAGGCGTATGCGCCTTCGCCAGCCACCGAAGATGGGGCTCGGGGC
GTTTTAATGTGCAGCAGGCGTATGCTTTGCGGGGACGCTTTAATTAGTCAGGGG
GTTTTGAGCTCTGAGGAAAATAATTAATGGCTGGTGGCTGTGGTGATGAGCAGA
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CTTGAATTAATGGATTGTGCTTGGGAGTTTTAGCTTAGTGT