

IDENTIFICATION

Species: *Panicum hallii* HAL

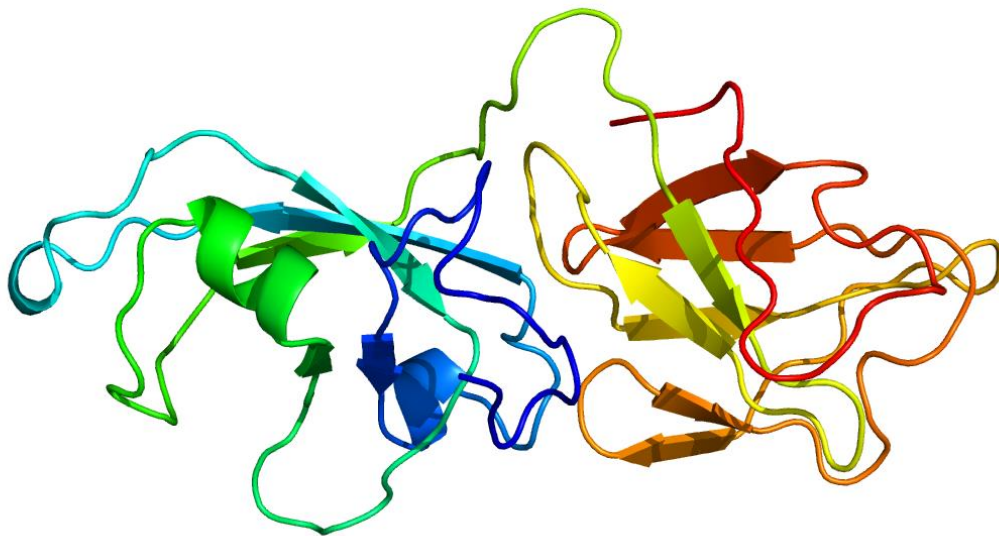
Locus: PhHAL.1G109500

Gene Model: PhHAL.1G109500.1.p

Description: PhhEXPA-04

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

EXTERNAL RESOURCES

-

GENE STRUCTURE



DOMAIN ARCHITECTURE

Query seq. MGGACGYGNLYAQGYGTRTTALSTALFANGAACGQCYKLVCDRKTDRTWCKPGVSVTVTATNFCPPNWSIPSDRGGWCNPPRPHFDMAQPAWEKIGVYRGGIIPVIYRRVSCVKKGGVRFANGHDYFNLVLTNVAGPGSIRAMDVRGSRSPDWMPMARNWGANWHSLTYLNGQGLSFRVTVTDGQTIVFANVPPNWRFGQSFASNLQFNL*

Superfamilies PLN0193

Name	Accession	Description	Interval	E-value
PLN00193 super family	d33423	expansin-A, Provisional	1-211	1.72e-120

SEQUENCES

Peptide

>PhhEXPA-04

MGGACGYGNLYAQGYGTRTTALSTALFANGAACGQCYKLVCDRKTDRTWCKPGVSVTVTATNFCPPNWSIPSDRGGWCNPPRPHFDMAQPAWEKIGVYRGGIIPVIYRRVSCVKKGGVRFANGHDYFNLVLTNVAGPGSIRAMDVRGSRSPDWMPMARNWGANWHSLTYLNGQGLSFRVTVTDGQTIVFANVPPNWRFGQSFASNLQFNL*

CDS (coding sequence)

>PhhEXPA-04

ATGGGAGGCGCGTGC GGGTACGGGAACCTGTACGCGCAGGGCTACGGCACGCGCACGACGGCGCTGAGCACGGCGCTCTTTGCGAACGGCGCCGCCTGCGGGCAGTGCTACAAGCTGGTGTGCGACCGCAAGACGGACCGGACGTGGTGCAAGCCCGGGGTGTGGTCCACCGTCACGGCCACCAACTTCTGCCCCGCCAACTGGAGCATCCCCAGCGACCGCGGGCTGGTGCAACCCGCGCGGGCCGCACTTCGACATGGCGCAGCCGGCGTGGGAGAAGATCGGCGTCTACCGCGGCGGCATCATCCCCGTCATCTACCGAAGGTGTGTCGTGCGTGAAGAAGGGCGGGGTGCGCTTCGCCATCAACGGGCACGACTACTTCAACCTGGTGCTGGTGACCAACGTCGCGGGGCCGGGTCCATCAGGGCCATGGACGTCAGGGGGTCCCGGTGCGCCGACTGGATGCCCATGGCGCGCAACTGGGGCGCCAACCTGGCACTCCCTCACCTACCTCAACGGCCAGGGGCTCTCCTTCAGGGTCACCGTCACCGACGGCCAGACCATCGTCTTCGCCAACGTCGTGCCGCCCAACTGGAGGTTCGGGCAGTCCTTCGCCAGCAACCTGCAGTTCAACCTCTGA

Nucleotide

>PhhEXPA-04

CGCCACGTTCTACGGCGGGCGCCGACGCCCTCCGGCACCATGGGTAAGCCCCACCTACTACCTGCCGCTCACAACGCACGCACGCGACGTGCTAATCGTAACGGCTGATGTGCGACGCGACCTATCCATTGCAGGAGGCGCGTGC GGGTACGGGAACCTGTACGCGCAGGGCTACGGCACGCGCACGACGGCGCTGAGCACGGCGCTCTTTGCGAACGGCGCCGCCTGCGGGCAGTGCTACAAGCTGGTGTGCGACCGCAAGACGGACCGGACGTGGTGCAAGCCCGGGGTGTCGGTACCGTCACGGCCACCAACTTCTGCCCCGCCAACTGGAGCATCCCCAGCGACCGCGGGCGGTGGTGCAACCCGCGCGGGCCGCACTTCGACATGGCGCAGCCGGCGTGGGAGAAGATCGGGCTCTACCGCGGGCGGCATCATCCCCGTCATCTACCGAAGGTGATACGCACGCAACGATCGCAGCACATCAGAAAT

AATTGTCTTTCTACACACATCGATCGTCGATCGATCTCACCACGTCGATCTCCAAA
CCAAATTGCAACTGGATTGCAGGGTGTCTGTGCGTGAAGAAGGGCGGGGTGCGCT
TCGCCATCAACGGGCACGACTACTTCAACCTGGTGCTGGTGACCAACGTCGCGGG
GCCGGGGTCCATCAGGGCCATGGACGTCAGGGGGTCCCAGGTCGCCGACTGGAT
GCCCATGGCGCGCAACTGGGGCGCCAACTGGCACTCCCTCACCTACCTCAACGGC
CAGGGGCTCTCCTTCAGGGTCACCGTCACCGACGGCCAGACCATCGTCTTCGCCA
ACGTCGTGCCGCCAACTGGAGGTTTCGGGCAGTCCTTCGCCAGCAACCTGCAGTT
CAACCTCTGAGCAAGCAATGCGTACGTACGTGCTGCCTCTGATCTCGACCTCCGA
TCGATCGATTAAGGTGTTTGGTATAGGATGCAGCATATACCTCGATCGATTTGGA
AGACATGATGTGGAGAGAGAACTGGTTGCCATATCTGTAGGAATTGTACTIONTATTA
CTACCTGCTTGGAAGAATTCGATCAAAAGATATTTTTGTTGATTGCTTGCGCTTGT
AGTGTGCTGTGTGATGTACATAAAGAGATTTTATTGCTCATTTTCATGAAGCGATG
CTCAAATGAATTACTCCGATTCTTTTTCAA