

IDENTIFICATION

Species: *Panicum hallii* HAL

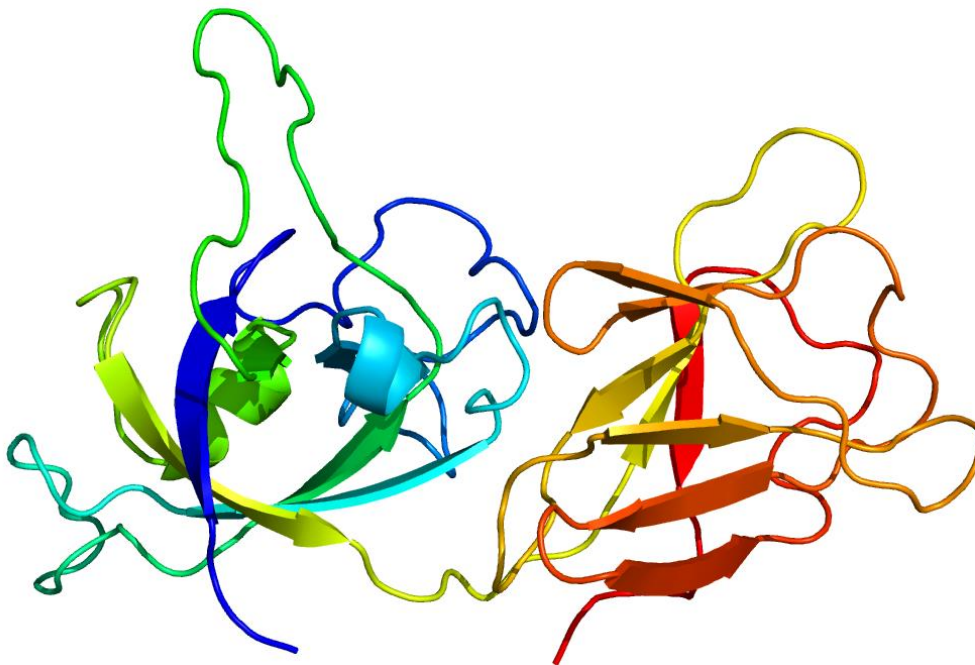
Locus: PhHAL.9G235000

Gene Model: PhHAL.9G235000.1.p

Description: PhhEXPA-28

Family: Alpha Expansin

3D structure:



GENOME DATABASES

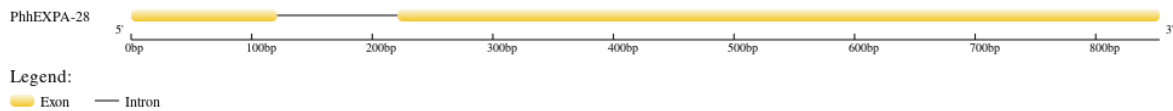
Phytozome: https://phytozome-next.jgi.doe.gov/info/PhalliiHAL_v2_1

KEGG:-

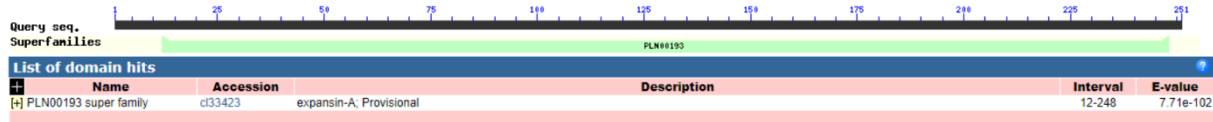
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhhEXPA-28

MVKSPILSTLVLAACVALATAQGSPGTATFYGGADGSGTMGGACGYGNLYDSGYG
VLNAALSETLFSDGASCGQCYTISCDGSRPGGEYCKPGT SITVSATNLCPANYALPNG
GWCGRPGRPHFDMAQPAWEHIGVYQAGIIPVVYQQVKCSRGGGVRFISIAGCNYFLLIN
IQNLGGSGSVGAAWIKGDSTGWIQMSRNWGANWQALAGLVGQGLSFAVTSTGGQY
IQFLNVVPAWWQFGETYTTNQNIFY*

CDS (coding sequence)

>PhhEXPA-28

ATGGTCAAGTCCCCGATTTTGTCCACGCTCGTCCTTGCGGCGTGCGTCGCGCTCGC
CACGGCCCAGGGGTCTCCGGGCACCGCCACGTTCTACGGCGGAGCCGACGGCTCT
GGCACCATGGGTGGCGCGTGCGGGTACGGCAACCTCTACGACTCCGGGTACGGC
GTGCTGAACGCGGCGCTGAGCGAGACGCTGTTTCAGCGACGGCGCGTCTGCGGG
CAGTGCTACACCATCTCGTGCGACGGGTCGCGCCCAGGGCGGCGAGTACTGCAAGC
CCGGCACGTCGATCACGGTCTCGGCCACCAACCTGTGCCCAGGCAACTACGCGCT
GCCAACGGCGGGTGGTGC GGCCCGGGGCGCCCCACTTCGACATGGCGCAGCC
GGCGTGGGAGCACATCGGCGTCTACCAGGCCGGCATCATCCCCGTGGTGTACCAG
CAGGTCAAGTGCTCGCGCGGCGGGCGGGCGTGC GCTTCAGCATCGCCGGGTGCAACT
ACTTCTGCTCATCAACATCCAGAACCTCGGCGGCAGCGGCTCCGTGGGCGCCGC
GTGGATCAAGGGCGACAGCACGGGGTGGATCCAGATGTCCAGGAACTGGGGCGC
CAACTGGCAGGCCCTCGCCGGGCTCGTTCGGCCAGGGGCTCAGCTTTGCCGTGACC
AGCACCGGCGGGCAGTACATCCAGTTCCTCAACGTCGTGCCGGCGTGGTGGCAGT
TCGGCGAGACCTACACCACCAACCAGAACTTCTACTACTAA

Nucleotide

>PhhEXPA-28

ATGGTCAAGTCCCCGATTTTGTCCACGCTCGTCCTTGCGGCGTGCGTCGCGCTCGC
CACGGCCCAGGGGTCTCCGGGCACCGCCACGTTCTACGGCGGAGCCGACGGCTCT
GGCACCATGGGTAAGCTACTAAGCTTGGTGGAAAGCCTTGCACTTCGGTTGGCAAC
CGTCCCACATTTTGCTAGCTTCGCGCGTACTAATGGATTGCGCGGTGGTATGCAG
GTGGCGCGTGCGGGTACGGCAACCTCTACGACTCCGGGTACGGCGTGCTGAACGC
GGCGCTGAGCGAGACGCTGTTTCAGCGACGGCGCGTCTGCGGGCAGTGCTACAC

CATCTCGTGCGACGGGTCGCGCCCCGGGCGGGCGAGTACTGCAAGCCCGGCACGTC
GATCACGGTCTCGGCCACCAACCTGTGCCCGGCCAACTACGCGCTGCCCAACGGC
GGGTGGTGC GGCCCGGGGCGCCCCACTTCGACATGGCGCAGCCGGCGTGGGAG
CACATCGGCGTCTACCAGGCCGGCATCATCCCCGTGGTGTACCAGCAGGTCAAGT
GCTCGCGCGGGCGGGCGGCGTTCAGCATCGCCGGGTGCAACTACTTCCTGCT
CATCAACATCCAGAACCTCGGCGGCAGCGGCTCCGTGGGCGCCGCGTGGATCAA
GGGCGACAGCACGGGGTGGATCCAGATGTCCAGGAACTGGGGCGCCAACTGGCA
GGCCCTCGCCGGGCTCGTCGGCCAGGGGCTCAGCTTTGCCGTGACCAGCACCGGC
GGGCAGTACATCCAGTTCCTCAACGTCGTGCCGGCGTGGTGGCAGTTCGGCGAGA
CCTACACCACCAACCAGAACTTCTACTACTAA