

IDENTIFICATION

Species: *Panicum hallii* HAL

Locus: PhHAL.4G011200

Gene Model: PhHAL.4G011200.1.p

Description: PhhEXPA-10

Family: Alpha Expansin

3D structure:



GENOME DATABASES

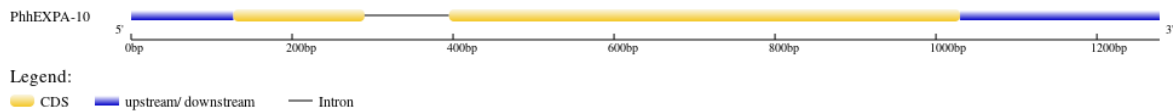
Phytozome: https://phytozome-next.jgi.doe.gov/info/PhaliiHAL_v2_1

KEGG:-

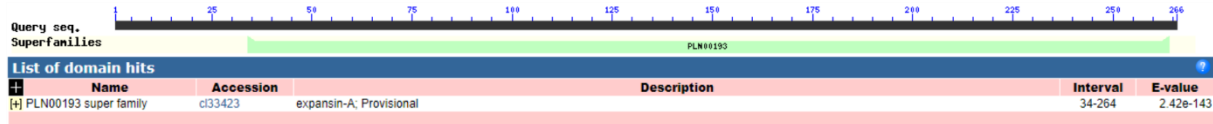
EXTERNAL RESOURCES

-

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhhEXPA-10

MARVYNKRLAASGVALVVACALAAASTAGALAPSGWSKGTATFYGGSDASGTM
GGACGYGNLYTQGYGTRNAALSTALFNDGASCRCKFLTCDARADPQWCRRGTSV
TITATNFCPPNYALPSDDGGWCNPPRQHFDMAQPAWERIGIYRGGIVPVLVLFQRVPCR
HGGVRFVAVGRDYFELVLPTNVAAAGAVRAMEVVRGTRTAGWLTMSRNWGANWQS
LAYLNGQGLSFRVTDDGQTIEFADVPPSWTFGLTYASRLQFK*

CDS (coding sequence)

>PhhEXPA-10

ATGGCCCGCGTCTACAACAAGCGCCTCGCGGCCTCGGGCGTTGCGCTGGTGGTGG
TCGCTGCGCGCTGGCCGCCGCTCGACGGCCGGAGCGCTCGCGCCGTCCGGCTG
GAGCAAGGGCACCGCCACGTTCTACGGTGGCAGCGACGCCTCCGGCACCATGGG
CGGCGCGTGGCGGTACGGGAACCTGTACACGCAGGGCTACGGGACGCGGAACGC
GGCGCTGAGCACGGCGCTGTTCAACGACGGCGCGTCGTGCGGGCGTTGCTTCAAG
CTCACCTGCGACGCGCGCGGACCCGCAGTGGTGCCGCCGGGGCACCTCCGTCA
CCATCACGGCGACCAACTTCTGCCCGCCAACTACGCGCTGCCCTCTGACGACGG
CGGGTGGTGCAACCCGCCGCGGCAGCACTTCGACATGGCGCAGCCGGCGTGGA
GAGGATCGGCATCTACCGCGGCGGGATCGTGCCCGTGCTCTTCCAGCGTGTGCC
TGCAGGCGCCACGGCGGGGTGCGGTTACGGTGGCCGGCCGGGACTACTTCGAG
CTGGTGCTGCCAACCAACGTGGCGGCCGCCGGCGCGGTGCGGGCCATGGAGGTG
CGGGGCACGCGCACGGCCGGGTGGCTGACCATGTGCGGGAAC TGGGGCGCCAAC
TGGCAGTCGCTGGCGTACCTCAACGGGCAGGGGCTCTCGTTCCGGGTACACCGG
ACGACGGGCAGACCATCGAGTTCGCCGACGTCGTGCCGCCGTCGTGGACGTTCCG
GCTGACGTACGCGAGCAGGCTGCAGTTCAAGTAG

Nucleotide

>PhhEXPA-10

CAGCAGCTGCAGTTGCACGGATCACCGCTAGAGCTTAGCTTAGCTTCATTGCCGG
CCGACGCCACCGTGCACCGCCGGCGTGCAGACAGAGCAGAGCAGAGCACGGTCCG
CGACAGGATTCGAGAACGATGGCCCGCGTCTACAACAAGCGCCTCGCGGCCTCG
GGCGTTGCGCTGGTGGTGGTCGCCTGCGCGCTGGCCGCCGCTCGACGGCCGGAG
CGCTCGCGCCGTCCGGCTGGAGCAAGGGCACCGCCACGTTCTACGGTGGCAGCG

ACGCCTCCGGCACCATGGGTACGTACGACGTTTCGGTTCGGTCGCCTTCAATTTAC
AAAAGCTCGTGTCCATCCAAAGGTTCCATCTTTTTCTTCTCCATCGTGACATGGAC
GCGGCGCTGCAGGCGGCGCGTGCGGGTACGGGAACCTGTACACGCAGGGCTACG
GGACGCGGAACGCGGGCGCTGAGCACGGGCGCTGTTCAACGACGGGCGCGTTCGTGCG
GGCGTTGCTTCAAGCTCACCTGCGACGCGCGCGCGGACCCGCAGTGGTGCCGCCG
GGGCACCTCCGTCACCATCACGGCGACCAACTTCTGCCCGCCCAACTACGCGCTG
CCCTCTGACGACGGCGGGTGGTGCAACCCGCCGCGGCAGCACTTCGACATGGCGC
AGCCGGCGTGAGGAGGATCGGCATCTACCGCGGCGGGATCGTGCCCGTGCTCTT
CCAGCGTGTGCCCTGCAGGCGCCACGGCGGGGTGCGGTTACGGTGGCCGGCCG
GGACTACTTCGAGCTGGTGCTGCCAACCAACGTGGCGGGCCGCCGGCGCGGTGCG
GGCCATGGAGGTGCGGGGCACGCGCACGGCCGGGTGGCTGACCATGTCGCGGAA
CTGGGGCGCCAACTGGCAGTCGCTGGCGTACCTCAACGGGCAGGGGCTCTCGTTC
CGGGTCACCACCGACGACGGGCAGACCATCGAGTTCGCCGACGTTCGTGCCGCCGT
CGTGGACGTTTCGGGCTGACGTACGCGAGCAGGCTGCAGTTCAAGTAGATTACAA
GCTGATGAATGTGATGGGCCGAGCTTTTATAGGTCGGCAGTGGCGTGCTTTCTGG
TGGTCTGTAGCTGCCCCGCCACGCACGCGTAATTTCTCGGCCAGCCAGAATCT
CTCCGCTTGTAATGTCAGCGTCGCCGGCCTTTTTGGTTCTTCAACAAGCCGCTTTC
GCCTTCTTGGCTTCTTGTGTGTAATCTTGCGTATCCATGGTAACGAATTTGGGAGT
ATTTATATGTACGTGTGCC