

IDENTIFICATION

Species: *Panicum hallii* HAL

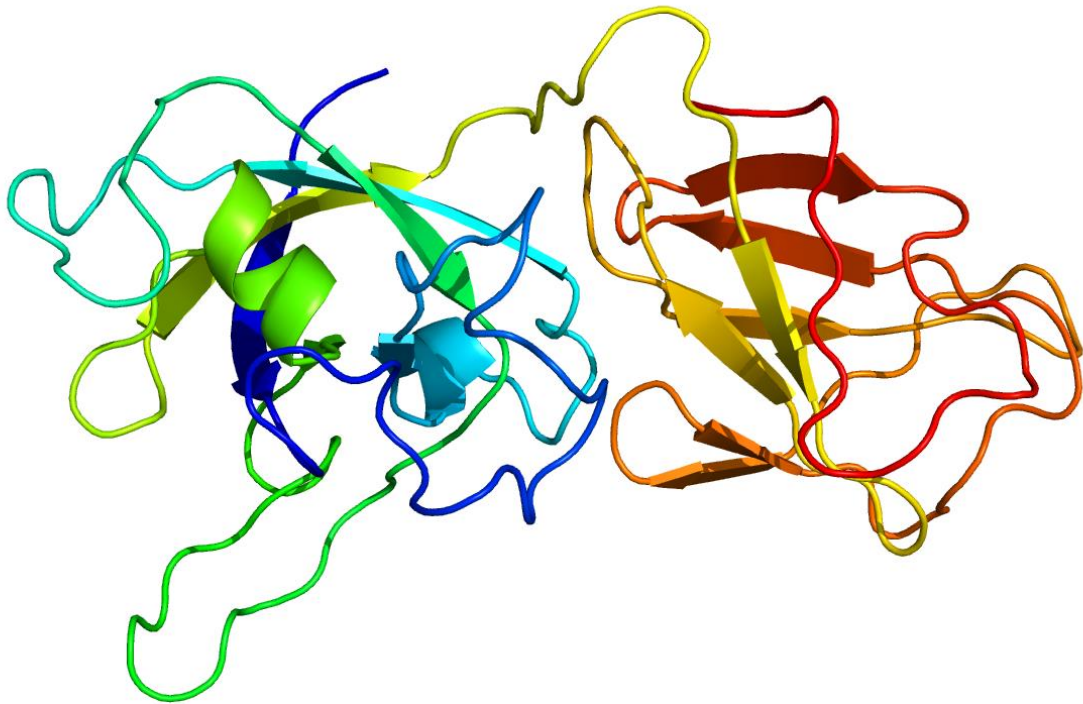
Locus: PhHAL.9G234000

Gene Model: PhHAL.9G234000.1.p

Description: PhhEXPA-21

Family: Alpha Expansin

3D structure:



GENOME DATABASES

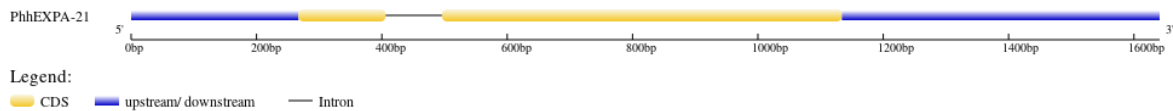
Phytozome: https://phytozome-next.jgi.doe.gov/info/PhalliiHAL_v2_1

KEGG:-

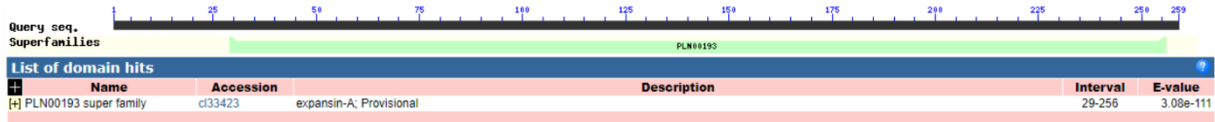
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhhEXPA-21

MATPRRLPPAVFFLAVVALLAAPAAVAAWSRGTATFYGGSDASGTMGGACGYGNL
YTTGYGTATTALSQVLFSGGASCGQCFQIACDSQTDGRWCRPGAGPVTVTATNLCPP
NYALPSNNGGWCNPPRAHFDMAQPAWVKIGVYQGGIIPVLYQRVACVRQGGVRFTI
TGFNYELVLISNVGGSGSVASAWVQGTSTNRVPMSRNWGANWQSLAGIAGQALTF
GVT TTGGQYIVFQNVVPVNWAFGMSFMSNLQFSY*

CDS (coding sequence)

>PhhEXPA-21

ATGGCGACGCCAGACGACTGCCTCCGGCGGTCTTCTTCCTCGCTGTCGTCGCGCT
GCTCGCTGCGCCGGCCGCCGTGGCGGCCTGGTCCAGGGGCACGGCCACGTTCTAC
GGCGGCAGCGACGCCTCCGGCACAATGGGCGGGGCGTGCGGGTACGGCAACCTG
TACACGACGGGGTACGGCACGGCCACGACGGCGCTGAGCCAGGTGCTCTTCAGC
GGCGGCGCGTTCGTGCGGCCAGTGCTTCCAGATCGCGTGCGACTCCCAGACGGATG
GGCGGTGGTGCCGCCCGGGCGCCGGCCCCGTGACGGTACCCGCCACCAACCTCTG
CCCGCCCAACTACGCGCTCCCCAGCAACAACGGCGGCTGGTGCAACCCGCCGCG
GGCGCACTTCGACATGGCGCAGCCGGCCTGGGTCAAGATCGGGGTCTACCAGGG
CGGCATCATCCCCGTGCTGTACCAGCGCGTGGCCTGCGTCCGGCAGGGCGGGCGTG
CGCTTACCATTACGGGGTTCAACTACTACGAGCTCGTGCTCATCTCCAACGTCG
GCGGCAGCGGCTCCGTCGCCAGCGCCTGGGTCCAGGGCACGTCCACCAACCGGG
TGCCCATGAGCAGGAATTGGGGCGCGAACTGGCAGTCGCTCGCCGGGATCGCCG
GACAGGCGCTCACCTTCGGCGTCAACCACCACCGGCGGACAGTACATCGTCTTCCA
GAACGTCGTGCCCGTCAACTGGGCGTTCGGCATGTCTTCATGAGCAACCTGCAG
TTCTCCTACTGA

Nucleotide

>PhhEXPA-21

ATCGTCCATCGATCGATCTCGCCTGCGCCTCCAGGCTTCGTTCTCAGAAGATCCGT
CGACCTCAGCGGCTGGTCAGCTCCTCCGCCATCTAGCGCTTCTTATTTAAGAACCG
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AACTAACAGTTCTTCCTGCTTGATCCTTCGTTTCGTGAGCTTCGTGGTTCGGTCTTCA
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GGCGCTGAGCCAGGTGCTCTTCAGCGGGCGGCGCTCGTGCGGCCAGTGCTTCCAG
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GAGCTCGTGCTCATCTCCAACGTGCGCGGCAGCGGCTCCGTCGCCAGCGCCTGGG
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ATTTGGTCCGGTACATTTTGGATACGACGGAAGTATGGTTTTAA