

IDENTIFICATION

Species: *Panicum hallii* HAL

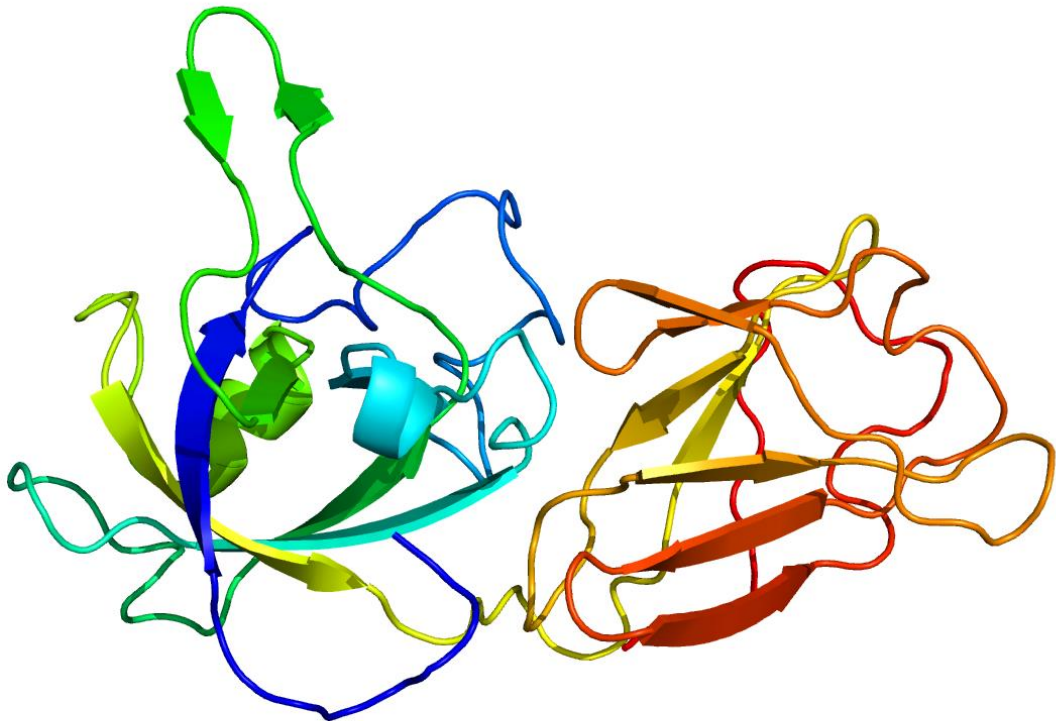
Locus: PhHAL.9G609300

Gene Model: PhHAL.9G609300.1.p

Description: PhhEXPA-31

Family: Alpha Expansin

3D structure:



GENOME DATABASES

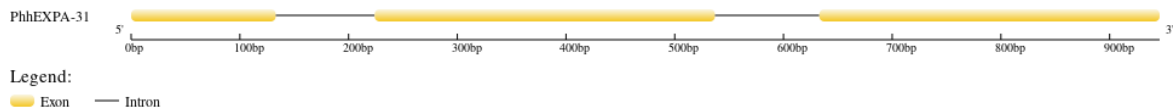
Phytozome: https://phytozome-next.jgi.doe.gov/info/PhalliiHAL_v2_1

KEGG:-

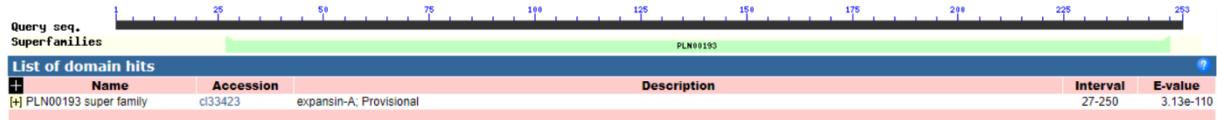
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhhEXPA-31

MGQRFLHQLLLAVLALCLFAPARSDEWLPAATATFYGGADGSDTMGGACGYGNLYD
QYGINNAALSTALFNDGAACGQCYVIICDTSKSGWCRPGKWVAVSATNFCPPNWS
LPGGGWCGPPRPHFDMSQPAWENIGIYSAGIIPVLYQRIKCWRDGGVRFTIAGFNIFE
LVLVTNVAGSGSIQSMAMVKGTTTDWIQMSRNWGANWQCLAALAGQGLSFALTSTG
GQTIVFQDVVPAWWQFGQTFTHQNFY*

CDS (coding sequence)

>PhhEXPA-31

ATGGGGCAGCGTTTCCTGCACCAGCTGCTGCTCGCCGTTCTTGCGCTCTGCTTATT
TGCACCGGCGAGATCGGACGAGTGGCTCCCGGCCACCGCCACGTTCTACGGTGGC
GCCGACGGCTCCGACACAATGGGCGGAGCGTGCGGGTACGGCAACCTGTACGAC
CAGGGCTACGGCATCAACAACGCCGCGCTGAGCACGGCGCTGTTCAACGACGGC
GCGGCGTGCGGGCAGTGCTACGTGATCATCTGCGACACCAGCAAGTCCGGGTGGT
GCCGGCCGGGCAAGTGGGTCGCCGTCTCCGCCACCAACTTCTGCCCGCCCAACTG
GTCGCTCCCCGGCGGGCGGCTGGTGCGGCCCGCCTCGCCCCACTTCGACATGTCC
CAGCCCGCCTGGGAGAACATCGGCATCTACAGCGCCGGCATCATCCCCGTCTCT
ACCAACGGATCAAGTGCTGGAGGGACGGCGGCGTGCGGTTACCATCGCCGGCT
TCAACTACTTCGAGCTGGTGCTGGTGACCAACGTGGCCGGGAGCGGCTCCATCCA
GAGCATGGCGGTGAAGGGCACCACCACGGATTGGATCCAGATGTCCAGGAACTG
GGGCGCCAACTGGCAGTGCCTCGCCGCGCTCGCCGGCCAGGGGCTCAGCTTCGCG
CTCACCTCCACCGGCGGCCAGACGATCGTCTTCCAGGACGTCGTGCCGGCGTGGT
GGCAGTTCGGCCAGACCTTCACCACCCACCAGAATTTGACTACTAA

Nucleotide

>PhhEXPA-31

ATGGGGCAGCGTTTCCTGCACCAGCTGCTGCTCGCCGTTCTTGCGCTCTGCTTATT
TGCACCGGCGAGATCGGACGAGTGGCTCCCGGCCACCGCCACGTTCTACGGTGGC
GCCGACGGCTCCGACACAATGGGTAAGCATAACAGTCAGAGTATTGTCTGAACTTG
TGCACGGCACCGAGTGCACACAGACACAGTGTGACGTGTATGCACCGTGTGCAC
ACAGGCGGAGCGTGCGGGTACGGCAACCTGTACGACCAGGGCTACGGCATCAAC
AACGCCGCGCTGAGCACGGCGCTGTTCAACGACGGCGCGGCGTGCGGGCAGTGC

TACGTGATCATCTGCGACACCAGCAAGTCCGGGTGGTGCCGGCCGGGCAAGTGG
GTCGCCGTCTCCGCCACCAACTTCTGCCCCGCCAACTGGTCGCTCCCCGGCGGCG
GCTGGTGCGGCCCGCCTCGCCCCACTTCGACATGTCCCAGCCCGCCTGGGAGAA
CATCGGCATCTACAGCGCCGGCATCATCCCCGTCCTCTACCAACGGTAACACTAT
AAGCAAGTCCAGCTCGATCGATCGATACACCCAGTGCAAGCTGCTCACCAGCAAC
TGATCCTTGGAGTTACGTTGGATGCGTGCAGGATCAAGTGCTGGAGGGACGGCGG
CGTGCGGTTCACCATCGCCGGCTTCAACTACTTCGAGCTGGTGCTGGTGACCAAC
GTGGCCGGGAGCGGCTCCATCCAGAGCATGGCGGTGAAGGGCACCACCACGGAT
TGGATCCAGATGTCCAGGAACTGGGGCGCCAACCTGGCAGTGCCTCGCCGCGCTCG
CCGGCCAGGGGCTCAGCTTCGCGCTCACCTCCACCGGCGGCCAGACGATCGTCTT
CCAGGACGTCGTGCCGGCGTGGTGGCAGTTCGGCCAGACCTTCACCACCCACCAG
AATTTCGACTACTAA