

IDENTIFICATION

Species: *Panicum hallii* HAL

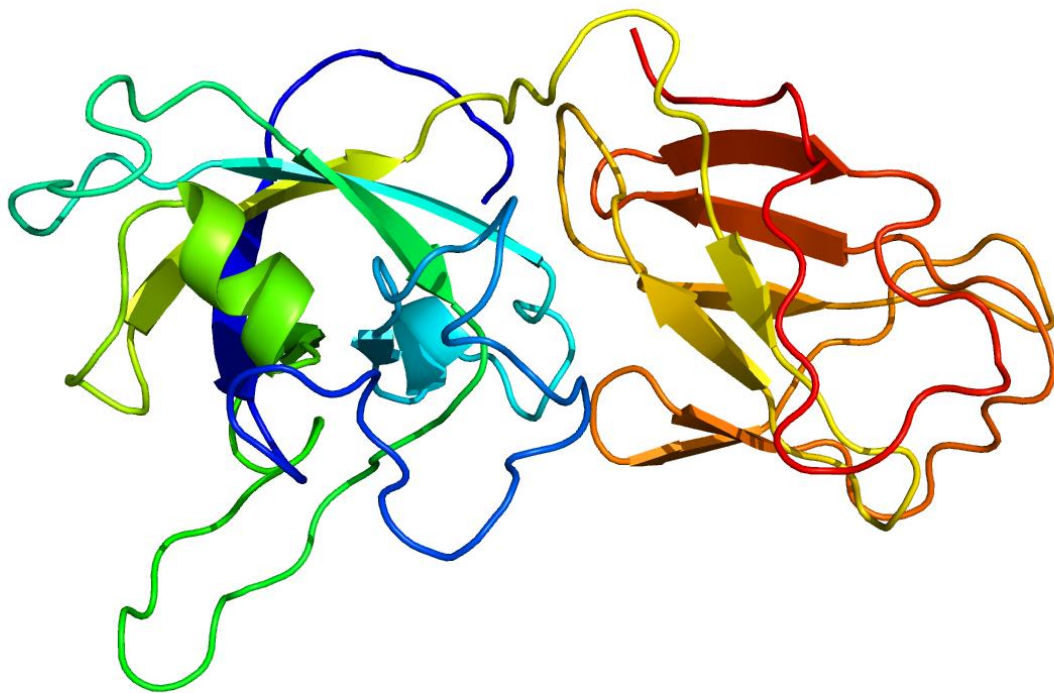
Locus: PhHAL.3G374300

Gene Model: PhHAL.3G374300.1.p

Description: PhhEXPA-09

Family: Alpha Expansin

3D structure:



GENOME DATABASES

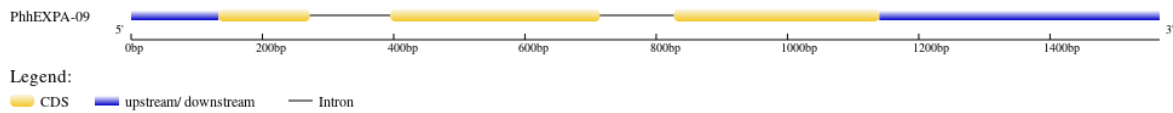
Phytozome: https://phytozome-next.jgi.doe.gov/info/PhalliiHAL_v2_1

KEGG:-

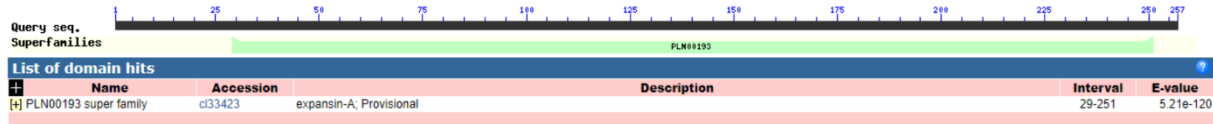
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhhEXPA-09

MAKPAVPVLLLSLLCGLASHAVDAQYYWSPATATFYGGSDGSGTMGGACGYGNL
YSAGYGLSNAALSTALFNDGAMCGACYTIVCDTSKSRWCKPGTSVTITATNFCPPNW
ALPSDNGGWCNPPRRHFDMSQPAWTSIAIYQAGIVPVNYQRVSCKRSGGMRFTINGR
DYFELVTVTNVGGSGVVSQMWIKGTNTNWL TMSRNWGMNWQSTAYLNGQSLFSM
VKTDDGRVVTVWNVPSNWYFGATYTTSWANFY*

CDS (coding sequence)

>PhhEXPA-09

ATGGCAAACCAGCGGTGCCTGTGGTGCCTTCTTCTCTCTTTGCTTTGCGGATTGGC
TTCCCATGCAGTAGACGCCAGTACTACTGGTCGCCTGCCACGGCGACGTTCTAC
GGTGGCAGCGACGGCTCCGGCACAATGGGCGGCGCTTGTGGGTACGGCAACCTG
TACAGCGCTGGTTACGGGCTGAGCAACGCGGCGCTGAGCACGGCGCTTTTCAACG
ACGGCGCCATGTGCGGTGCGTGCTACACCATCGTCTGCGACACTAGCAAGAGCAG
ATGGTGCAAGCCCGGCACGTCGGTGACCATCACAGCCACCAACTTCTGCCCGCCA
AACTGGGCGCTGCCAGCGACAACGGCGGCTGGTGCAACCCGCCGCGCCGGCAC
TTCGACATGTGCGAGCCCGCCTGGACCTCCATCGCCATCTACCAAGCCGGCATCG
TCCCGGTCAACTACCAGAGGGTGTGATGCAAGAGGAGTGGTGGCATGAGGTTTAC
CATCAACGGGAGGGACTACTTCGAGCTGGTGACGGTGACCAACGTCGGCGGCAG
CGGCGTGGTGTGCGAGATGTGGATCAAGGGGACCAACACGAACTGGCTGACAAT
GAGCAGGAACCTGGGGTATGAACTGGCAGAGCACGGCGTACCTCAACGGCCAGAG
CCTGTCCTTCATGGTGAAGACCGACGACGGCCGCGTGGTGACGGTGTGGAACGTC
GTACCGTCCAACCTGGTACTTCGGGGCAACCTACACCACCAGCTGGGCAAACCTTTT
ATTAG

Nucleotide

>PhhEXPA-09

TCATCATGCCACCACTATAAATCCCAGGGTCAAGGCCAGGAGTACCACTCAACGC
AAACACAAACGCAGCCCAAAGAGTACAAAGGCTTCCTGTTCTCTTTCTGTAACG
TGCACTTGCTTGGTAGATCCCAAATGGCAAACACAGCGGTGCCTGTGGTGCTTCT
TCTCTCTTTGCTTTGCGGATTGGCTTCCCATGCAGTAGACGCCAGTACTACTGGT
CGCCTGCCACGGCGACGTTCTACGGTGGCAGCGACGGCTCCGGCACAATGGGTTT

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GGTGACCATCACAGCCACCAACTTCTGCCCCGCCAAACTGGGCGCTGCCAGCGAC
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CAATACAGAGAATCAGAGATGATACCAAACAAGATGCTAGCTCGAACACAAAA
AGAATCTTCTGCGTACGATCGATGTGATGAATTTGAATGTGCTTGACTGCTGCCA
GGGTGTCATGCAAGAGGAGTGGTGGCATGAGGTTTACCATCAACGGGAGGGACT
ACTTCGAGCTGGTGACGGTGACCAACGTCGGCGGCAGCGGCGTGGTGTCGCAGA
TGTGGATCAAGGGGACCAACACGAACTGGCTGACAATGAGCAGGAACTGGGGTA
TGA ACTGGCAGAGCACGGCGTACCTCAACGGCCAGAGCCTGTCCTTCATGGTGAA
GACCGACGACGGCCGCGTGGTGACGGTGTGGAACGTCGTACCGTCCA ACTGGTA
CTTCGGGGCAACCTACACCACCAGCTGGGCAA ACTTTTATTAGCCGCTGGCTAGC
TCAACATATATGCATCACCGGAGCGGAGAGATCCGGCAGATCGGCGTGGATCTA
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ATTGATGCCGCCGTACCCTCTTAGGCGTAGATAGGCATTGAACCCTGCTCATTCT
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