

IDENTIFICATION

Species: *Panicum hallii* HAL

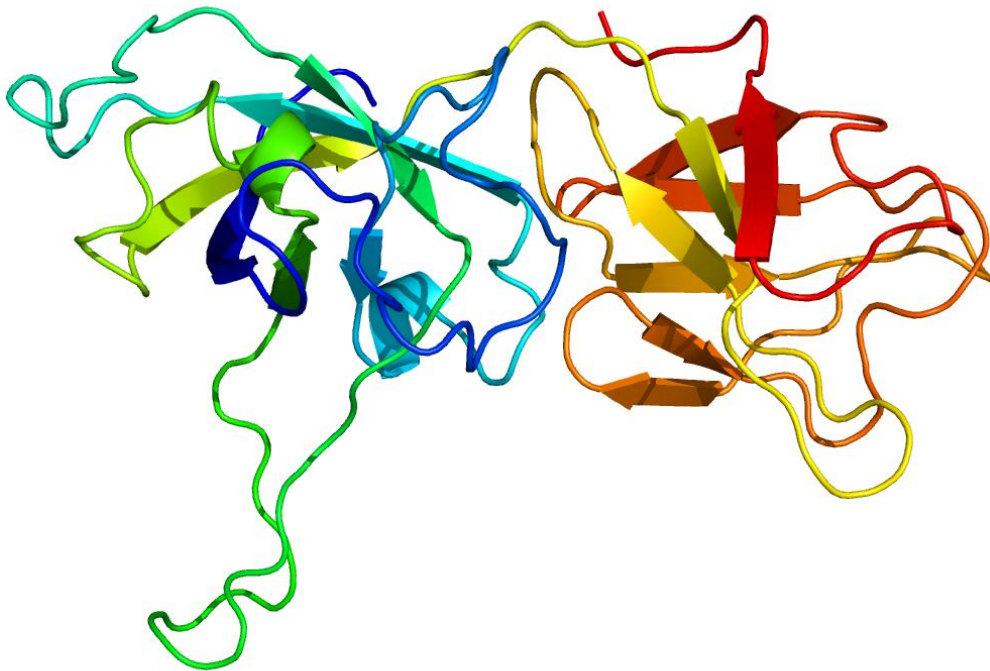
Locus: PhHAL.9G609500

Gene Model: PhHAL.9G609500.1.p

Description: PhhEXPA-32

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

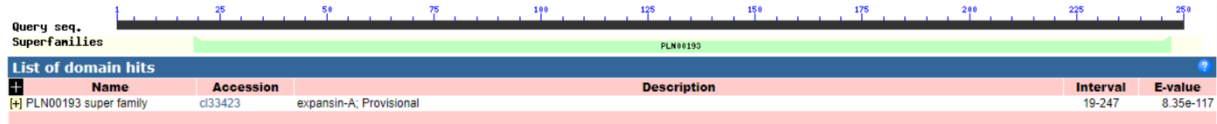
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhhEXPA-32

MDRVLTLFVVVAAAFFAPAKGWNYGTATFYGGADASGTMGGACGYGNLYQAGYG
TNTAALSSVLFNNGAACGQCYLIMCDSNASPWCKGGAAVTITATNFCPPNWAQPSN
RGGWCNPPRPHFDMAQPAWERIGVYKAGIIPVLYQQVTCWRQGGIRITIGGSTFFQL
VNFANVAGSGSIRSVSVKGTKTGWIALNRNWGANWQCNSALVGQELSFIVTSNGGQ
TLYLNNVPAWWRFGMAFASNYNFYY*

CDS (coding sequence)

>PhhEXPA-32

ATGGACAGAGTCCTCACGTTGTTTCGTCGTCGTAGCGGCGGCGTTCCTTCGCGCCGG
CGAAGGGCTGGAACACTACGGGACGGCGACGTTCTACGGCGGGGCCGACGCCTCCG
GCACGATGGGTGGCGCGTGCGGGTACGGGAACCTGTACCAGGCGGGGTACGGGA
CGAACACGGCGGCGCTGAGCTCGGTGCTGTTCAACAACGGCGCGGCGTGCGGGC
AGTGCTACCTGATCATGTGCGACAGCAACGCGTCGCCATGGTGCAAGGGCGGCG
CCGCGGTGACCATCACGGCCACCAACTTCTGCCCGCCCAACTGGGCACAGCCCAG
CAACCGCGGCGGCTGGTGCAACCCGCGCGCCCCACTTCGACATGGCGCAGCCC
GCCTGGGAGCGCATCGGCGTCTACAAGGCCGGCATCATCCCCGTCCTTACCAGC
AGGTGACGTGCTGGAGGCAGGGAGGGATCCGGATCACCATCGGAGGGTCCACGT
TCTTCCAGCTGGTGAACCTTCGCGAACGTGGCCGGGAGCGGCTCGATCCGGTCCGT
GTCGGTGAAGGGGACCAAGACGGGGTGGATCGCGCTGAACCGCAACTGGGGCGC
CAACTGGCAGTGCAACTCGGCGCTCGTCGGCCAGGAGCTCTCCTTCATCGTCACC
TCCAACGGCGGCCAGACGCTCTACCTCAACAACGTCGTGCCGGCGTGGTGGCGGT
TCGGCATGGCCTTCGCCAGCAACTACAACCTTCTACTACTGA

Nucleotide

>PhhEXPA-32

GAGCGTAATTCTCGTTGCCTCTCGTCCTATATAAGCCACGCCACGATCGCTGCAG
ATCCGTCAGAAGCTGCTAGGCATTCAGAGCTAGCTAGCTCCTGGTTTACTGAAAC
CGACGAGTCCAAGTCTCCCGTGGTGGTGTGTCTACCGAGCTGAGCGGAGATGGA
CAGAGTCCTCACGTTGTTTCGTCGTCGTAGCGGCGGCGTTCTTCGCGCCGGCGAAG
GGCTGGAACACTACGGGACGGCGACGTTCTACGGCGGGGCCGACGCCTCCGGCACG
ATGGGTAAATTAGTGAAAACAACCTTCAAATCCAGTGTTCGTCCATGCATTTCCATG

TCGATCAATCTTGCTGCAACCAGTGTCGGTAATTTTCACGATGGATCGGAGCTAA
CTAACGAACACGATGCCGATTGCCGTGCCGTGATACGACGATGCAGGTGGCGCGT
GCGGGTACGGGAACCTGTACCAGGCGGGGTACGGGACGAACACGGCGGGCGCTGA
GCTCGGTGCTGTTCAACAACGGCGCGGGCGTGCGGGCAGTGCTACCTGATCATGTG
CGACAGCAACGCGTCGCCATGGTGCAAGGGCGGGCGCCGCGGTGACCATCACGGC
CACCAACTTCTGCCCGCCAACTGGGCACAGCCCAGCAACCGCGGGCGGCTGGTGC
AACCCGCCGCGCCCCACTTCGACATGGCGCAGCCCGCCTGGGAGCGCATCGGCG
TCTACAAGGCCGGCATCATCCCCGTCCTCTACCAGCAGTAAGTCATCTCGTCACG
TCGACCACGCCGCGTTTCCTTCGATTCTCCGGCGAACCGGGCGGTGATGAGCTGAT
GATCGATCGGCCATGGTGGTGGTGGTGTGTTGCAGGGTGACGTGCTGGAGGCAG
GGAGGGATCCGGATCACCATCGGAGGGTCCACGTTCTTCCAGCTGGTGA ACTTCG
CGAACGTGGCCGGGAGCGGCTCGATCCGGTCCGTGTCGGTGAAGGGGACCAAGA
CGGGGTGGATCGCGCTGAACCGCAACTGGGGCGCCAACTGGCAGTGCAACTCGG
CGCTCGTCGGCCAGGAGCTCTCCTTCATCGTCACCTCCAACGGCGGCCAGACGCT
CTACCTCAACAACGTCGTGCCGGCGTGGTGGCGGTTTCGGCATGGCCTTCGCCAGC
AACTACA ACTTCTACTACTGATCGATAGCTAGCTCGAGTGGGGCCAGGCGCAGGG
GTGCTTTTGGTTGTATGGATGACGTCAATTTGTTTCGTTCTTTTTTGGGGCCGGGG
TTACTTTGTACATGTACATCTTGTTATGAGAAAAGAAATATATTG