

IDENTIFICATION

Species: *Panicum hallii* HAL

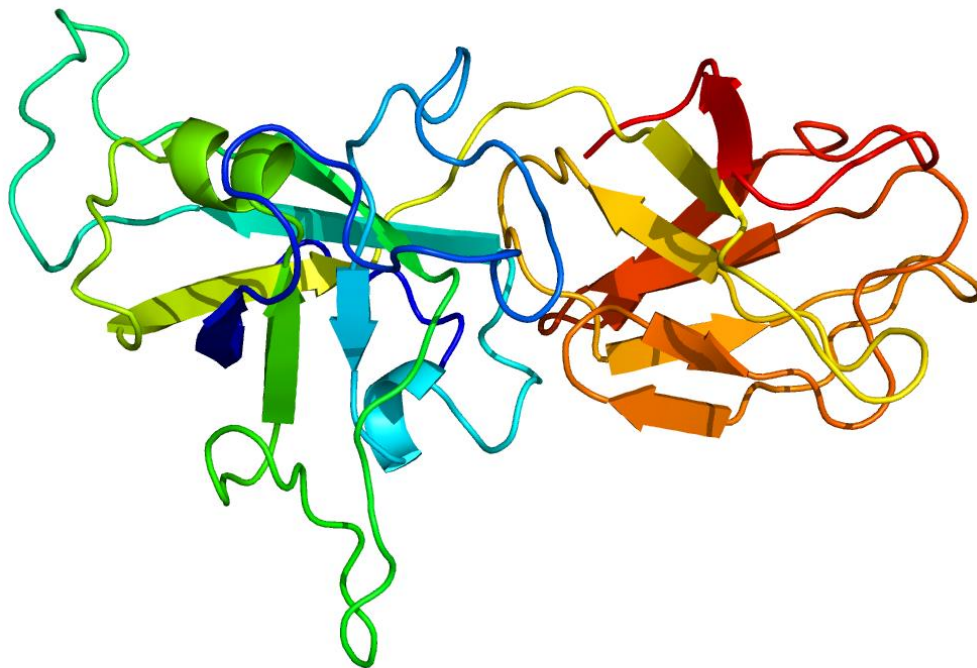
Locus: PhHAL.9G234700

Gene Model: PhHAL.9G234700.1.p

Description: PhhEXPA-25

Family: Alpha Expansin

3D structure:



GENOME DATABASES

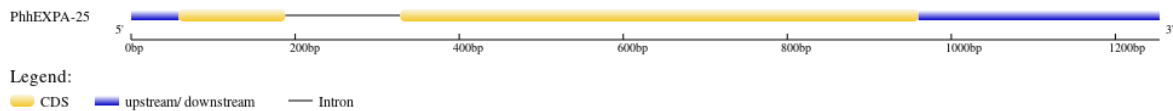
Phytozome: https://phytozome-next.jgi.doe.gov/info/PhalliiHAL_v2_1

KEGG:-

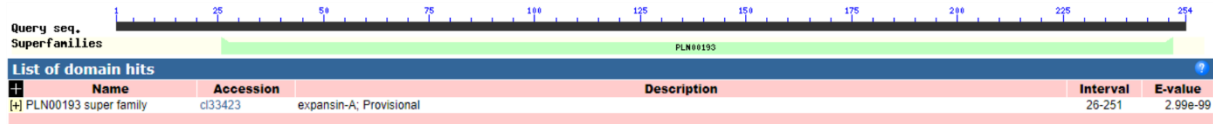
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhhEXPA-25

MTQEMAKPLILCTALAAACLALAAADWSPGTATFYGGPDGSDTMGGACGYGNLYNA
GYGINNAALSETLFKDGASCGQCYLVICDGSRPGGQYCKPGTAITVSATNLCPANYG
LPNGGWCGPGRPHFDMSQPAWENIGVYQAGVIPVLYQQVKCWRNNGGVRFSIAGFN
YFLLVNIQNLAGSGSVGAAWIKGDNTGWIQMSRNWGANWQALSGLVGQGLSFAVT
STGGQYIQFLNVVPGWWQFGMTFNTYQNFY*

CDS (coding sequence)

>PhhEXPA-25

ATGACCCAAGAGATGGCCAAGCCCCTCATCTTGTGCACAGCGCTCGCGGCGTGCC
TCGCGCTCGCCGCCGCGACTGGTCTCCGGGCACCGCCACGTTCTACGGCGGACC
CGACGGTTCGACACCATGGGCGGCGCGTGTGGGTACGGGAACCTGTACAACGC
CGGGTACGGCATCAACAACGCGGGCGCTAAGCGAGACGCTGTTCAAGGACGGCGC
GTCGTGCGGGCAGTGCTACCTCGTCATCTGCGATGGCTCGCGGCCGGGCGGCCAG
TACTGCAAGCCCAGCACGGCGATCACCGTCTCGGCCACCAACCTGTGCCCCGCCA
ACTACGGGCTGCCAACGGCGGCTGGTGC GGCCCCGGGGCGCCCCACTTTGACAT
GTCGCAGCCGGCGTGGGAGAACATCGGCGTCTACCAGGCCGGCGTCATCCCGGT
GCTGTACCAGCAGGTCAAGTGTGGCGCAACGGCGGCGTGC GCTTCAGCATCGCC
GGCTTCAACTACTTCTGCTCGTCAACATCCAGAACCTCGCCGGCAGCGGCTCCG
TGGGCGCCGCGTGGATCAAGGGCGACAACACCGGGTGGATCCAGATGTCCAGGA
ACTGGGGAGCCA ACTGGCAGGCGCTCTCCGGGCTCGTCGGCCAGGGGCTCAGCTT
CGCTGTGACCAGCACCGGCGGGCAGTACATTTCAGTTCTCAACGTCGTGCCAGGG
TGGTGGCAGTTCGGCATGACCTTCAACACATAACCAGAATTTGACTACTGA

Nucleotide

>PhhEXPA-25

AACAAAACCCTCACTGCCACCTCGTTCTCGACACTCTTCAGCGGCTACCTCTACAC
TGATGACCCAAGAGATGGCCAAGCCCCTCATCTTGTGCACAGCGCTCGCGGCGTG
CCTCGCGCTCGCCGCCGCGACTGGTCTCCGGGCACCGCCACGTTCTACGGCGGA
CCCGACGGTTCGACACCATGGGTAAGCTTGCTACTAATAGTGTTGAACTTTGGT
GCAAGCAGAGCTGATCGAGCTATCATATCCGAACATTTCCGCAA ACTGTGCACGT
ACTGATGGTGTGCTAATAATAATGAATGTGTATATCTGTGACGATACAGGCG

GCGCGTGTGGGTACGGGAACCTGTACAACGCCGGGTACGGCATCAACAACGCGG
CGCTAAGCGAGACGCTGTTCAAGGACGGCGCGTCGTGCGGGCAGTGCTACCTCGT
CATCTGCGATGGCTCGCGGCCGGGCGGCCAGTACTGCAAGCCCGGCACGGCGAT
CACCGTCTCGGCCACCAACCTGTGCCCCGGCCAACACTACGGGCTGCCCAACGGCGGG
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GGCGCAACGGCGGGCGTTCAGCATCGCCGGCTTCAACTACTTCCTGCTCGT
CAACATCCAGAACCTCGCCGGCAGCGGCTCCGTGGGCGCCGCGTGGATCAAGGG
CGACAACACCGGGTGGATCCAGATGTCCAGGAACTGGGGAGCCAACACTGGCAGGC
GCTCTCCGGGCTCGTCGGCCAGGGGCTCAGCTTCGCTGTGACCAGCACCGGCGGG
CAGTACATTCAGTTCCTCAACGTCGTGCCAGGGTGGTGGCAGTTCGGCATGACCT
TCAACACATACCAGAATTTGACTACTGAACTTACAGGTAGCAGAGTGATCGAT
CCCCCTTATAGCCATCTCTTGATGGCAGGGTTGGATGAAGAAGGGATGCAATGCA
ACCCAGACCTCAAGACCCCTTTAATTTATTTCCCTCCTGAAGATGTAACACATTA
TGCTTTTCTTTCTTTTTTTTGGCGAGAATCATTCTTTTCAACATTCTATTATCAAATT
ATAAGTTCTGTAGCCAATGTGCTATGTGTAGACTTCCAAATTTAGTGGTCAATATA
CATACTATATTGATGTATATCTGGAAACAGGGGTGTGGATCCAT