

IDENTIFICATION

Species: *Panicum hallii* HAL

Locus: PhHAL.9G234900

Gene Model: PhHAL.9G234900.1.p

Description: PhhEXPA-27

Family: Alpha Expansin

3D structure:



GENOME DATABASES

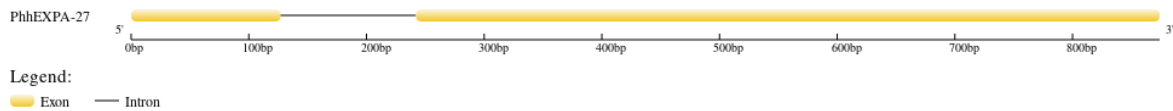
Phytozome: https://phytozome-next.jgi.doe.gov/info/PhalliiHAL_v2_1

KEGG:-

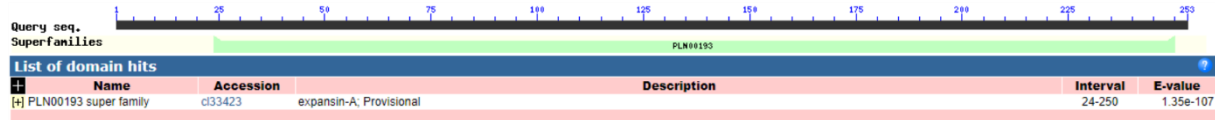
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhhEXPA-27

MKTTKSLVLLCTVLAACLALAAAGWSPGTATFYGGADGSGTMGGACGYDNLNA
GYGVNNAALSTTLFNDGASCQCYKITCDRSRPGGQYCKPGNSITVTATNLCPPNYA
LPNGGWCGPGRPHFDMAQPAWEHIGVYQAGVVPVIFYQQVKCLRSGGVRFSIAGSN
YFLLVNIQNLAGSGSVAAAWVKGDKTGWIQMSRNWGANWQALSGLVGQSLSFAVT
STGGQYIQFVNVVPSWWQFGMAFTTNKNFVR*

CDS (coding sequence)

>PhhEXPA-27

ATGAAAACGACCAAGTCCCTGGTCTTACTATGCACAGTCCTTGCGGCGTGCCTCG
CGCTCGCCGCAGCTGGCTGGTCTCCGGGCACTGCCACGTTCTACGGCGGAGCCGA
TGGCTCCGGCACAATGGGCGGCGCGTGC GGCTACGACAATCTGTACAACGCTGG
GTACGGCGTTAACAACGCGGCGCTGAGCACGACGCTGTTCAACGACGGCGCGTC
CTGCGGCCAGTGCTACAAGATCACCTGCGACCGGTCACGCCCGGGCGGCCAGTAC
TGCAAGCCCGGCAACAGCATCACCGTCACAGCGACCAACCTGTGCCCGCCCAACT
ACGCGCTCCCAACGGCGGCTGGTGC GGCCCCGGGGCGCCCCACTTCGACATGGC
GCAGCCGGCGTGGGAGCACATCGGCGTCTACCAGGCCGGCGTCTCCCGGTCTTC
TACCAGCAGGTCAAGTGCTTGCAGCGGGCGGCGTGC GGCTTCAGCATCGCCGGCT
CCAATACTTCTGCTCGTCAACATCCAGAACCTCGCCGGCAGCGGCTCAGTGGC
CGCGGCCTGGGTCAAGGGCGACAAGACGGGCTGGATCCAGATGTCCAGGAACTG
GGGCGCCAACTGGCAGGCGCTCTCCGGGCTCGTCGGCCAGAGCCTCAGCTTCGCC
GTGACCAGCACCGGCGGGCAGTACATTCAGTTCGTGAACGTCTCCCGAGCTGGT
GGCAGTTCGGCATGGCCTTCACCACCAACAAGAATTCGTCCGCTAG

Nucleotide

>PhhEXPA-27

ATGAAAACGACCAAGTCCCTGGTCTTACTATGCACAGTCCTTGCGGCGTGCCTCG
CGCTCGCCGCAGCTGGCTGGTCTCCGGGCACTGCCACGTTCTACGGCGGAGCCGA
TGGCTCCGGCACAATGGGTGAGTAGATTTTCCGTATGCATTTCCGGCACAAGGGCA
ATCTACACGTCTTCCAGTTTCGGACATTTTACTTGTATACTTTGCTAATGTGTGC
ATGTGTATGACGATGAATAGGCGGCGCGTGC GGCTACGACAATCTGTACAACGCT
GGGTACGGCGTTAACAACGCGGCGCTGAGCACGACGCTGTTCAACGACGGCGCG

TCCTGCGGCCAGTGCTACAAGATCACCTGCGACCGGTACGCCCCGGGCGGCCAGT
ACTGCAAGCCCCGGCAACAGCATCACCGTCACAGCGACCAACCTGTGCCCGCCA
ACTACGCGCTCCCCAACGGCGGCTGGTGC GGCCCCGGGGCGCCCCACTTCGACAT
GGCGCAGCCGGCGTGGGAGCACATCGGCGTCTACCAGGCCGGCGTCGTCCCGGT
CTTCTACCAGCAGGTCAAGTGCTTGCGCAGCGGCGGCGTGCGCTTCAGCATCGCC
GGCTCCA ACTACTTCCTGCTCGTCAACATCCAGAACCTCGCCGGCAGCGGCTCAG
TGGCCGCGGCCTGGGTCAAGGGCGACAAGACGGGCTGGATCCAGATGTCCAGGA
ACTGGGGCGCCA ACTGGCAGGCGCTCTCCGGGCTCGTCGGCCAGAGCCTCAGCTT
CGCCGTGACCAGCACCGGCGGGCAGTACATTCAGTTCGTGAACGTCGTCCCGAGC
TGGTGGCAGTTCGGCATGGCCTTACCACCAACAAGAATTCGTCCGCTAG