

IDENTIFICATION

Species: *Panicum hallii* HAL

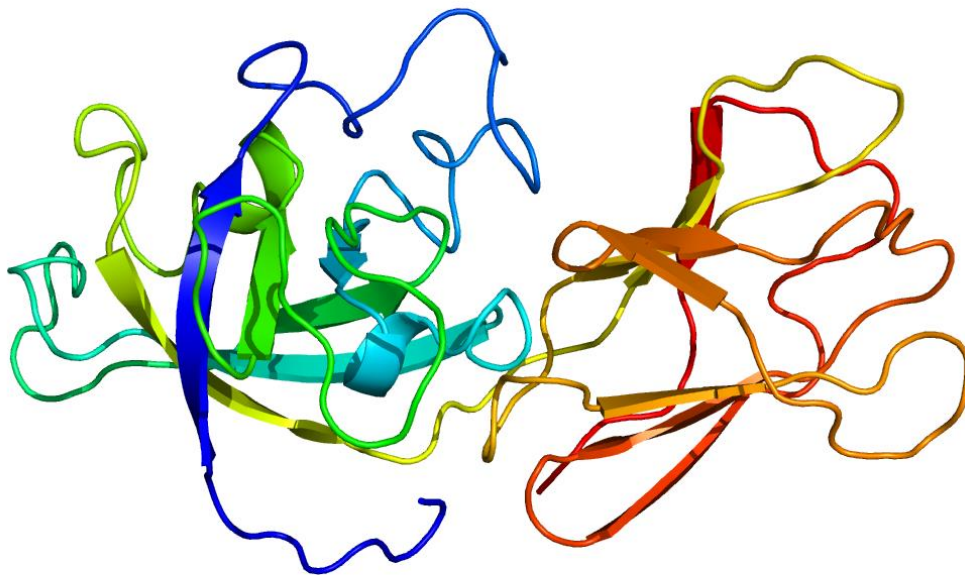
Locus: PhHAL.9G234600

Gene Model: PhHAL.9G234600.1.p

Description: PhhEXPA-24

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

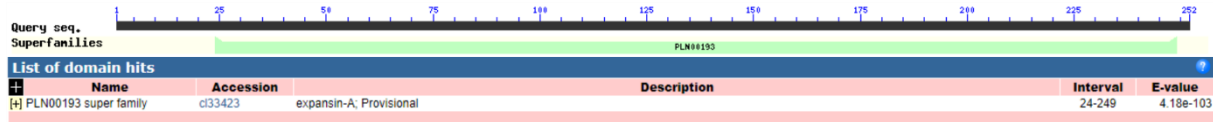
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhhEXPA-24

MEMAKSLILCTAFAACLALAAADWSQGTATFYGGPDGSDTMGGACGYGNLYNAGY
GVLNAALSETLFDKDGASCGQCYTISCDGSRPGGEYCKPGTSITVSATNLCPANFALPN
GGWCGPGRPHFDMSQPAWEHIGVYRAGVIPVVYQQVRCRQGGVRFISIAGFNFLLI
NIQNLAGSGSVGAAWIKGDSTGWIQMSRNWGANWQALSGLVGQGLSFAVTTTGGQ
YIQFLNVVPAWWKFGETYTTNQNIFY*

CDS (coding sequence)

>PhhEXPA-24

ATGGA AATGGCCAAGTCTCTGATCTTGTGCACAGCGTTCGCGGGCGTGCCTTGCGC
TCGCCGCCGCGACTGGTCTCAGGGCACCGCCACGTTCTACGGCGGACCCGACGG
CTCCGACACCATGGGTGGCGCCTGCGGGTACGGCAACCTGTACAACGCCGGCTAC
GGCGTGCTGAACGCGGGCGCTGAGCGAGACCCTGTTCAAGGACGGCGCGTCTGTC
GGGCAGTGCTACACCATCTCGTGCGACGGGTGCGGCCCGGGCGGCGAGTACTGC
AAGCCCGGCACGTCGATCACGGTCTCGGCCACCAACCTGTGCCCGGCCAACTTCG
CGCTGCCAACGGCGGCTGGTGC GGCCCGGGGCGCCCCACTTCGACATGTCGCA
GCCGGCGTGGGAGCACATCGGTGTCTACCGGGCCGGCGTCATCCCCGTCGTCTAC
CAGCAGGTCAGGTGCTCGCGCCAGGGCGGGCGTGC GCTTCAGCATCGCCGGCTTCA
ACTACTTCTGCTCATCAACATCCAGAACCTCGCCGGCAGCGGCTCCGTGGGCGC
CGCGTGGATCAAGGGCGATAGCACGGGGTGGATCCAGATGTCCAGGAACTGGGG
CGCCA ACTGGCAGGCTCTCTCCGGGCTCGTTCGGCCAGGGTCTCAGCTTCGCCGTG
ACCACCACCGGCGGGCAGTACATTCAGTTCCTCAACGTCGTCCCGGCGTGGTGGA
AGTTCGGTGAGACCTACACCACCAACCAGAACTTCTACTACTAA

Nucleotide

>PhhEXPA-24

AACTGTCAGCCTCCATTGCCTAGCCTCCTTGTCCCTCCATTTCCATCTCGTTCTCTGC
AGCTACATTTGCAAAGGCGTCCATGGAAATGGCCAAGTCTCTGATCTTGTGCACA
GCGTTCGCGGGCGTGCCTTGC GCTCGCCGCCGCGACTGGTCTCAGGGCACCGCCA
CGTTCTACGGCGGACCCGACGGCTCCGACACCATGGGTAAGCTGCCTTGCTTGCA
ACCAATTCGGTACAGGAAATAATCTTACTCGGCTCGTACTGATCCGATTCATGC
GTCCAGGTGGCGCCTGCGGGTACGGCAACCTGTACAACGCCGGCTACGGCGTGCT

GAACGCGGCGCTGAGCGAGACCCTGTTCAAGGACGGCGCGTCGTGCGGGCAGTG
CTACACCATCTCGTGGCGACGGGTCGCGCCCCGGGCGGCGAGTACTGCAAGCCCCGGC
ACGTCGATCACGGTCTCGGCCACCAACCTGTGCCCGGCCAACTTCGCGCTGCCA
ACGGCGGCTGGTGGCGGCCCGGGGCGCCCCACTTCGACATGTCGCAGCCGGCGTG
GGAGCACATCGGTGTCTACCGGGCCGGCGTCATCCCCGTCGTCTACCAGCAGGTC
AGGTGCTCGCGCCAGGGCGGCGTGCGCTTCAGCATCGCCGGCTTCAACTACTTCC
TGCTCATCAACATCCAGAACCTCGCCGGCAGCGGCTCCGTGGGCGCCGCGTGGAT
CAAGGGCGATAGCACGGGGTGGATCCAGATGTCCAGGAACTGGGGCGCCAACTG
GCAGGCTCTCTCCGGGCTCGTCGGCCAGGGTCTCAGCTTCGCCGTGACCACCACC
GGCGGGCAGTACATTCAGTTCCTCAACGTCGTCCCGGCGTGGTGGAAAGTTCGGTG
AGACCTACACCACCAACCAGAACTTCTACTACTAAGCCTTGCAAGCAGGAGAGC
GCTTTGGTCTCCTTCGCCATTTCTTGCAATTCGGTCAGCTTGCCAGTGCATCGTTG
CCGTTGGTGTGATGCCTGACTGGCATAGGTGATCGTCCGACTGCAGGAGATGGAAGG
ATTTTCTCCTACAATGTAGATACAGCATTTAATGCTATTGTTCTTAAAATCTTGCG
ATACGTACATATATAGCAAATGTAAAGCTCTTTCAACATTCTACCAGACTTCCAA
ACTTGAGTAGTG