

IDENTIFICATION

Species: *Panicum hallii* HAL

Locus: PhHAL.9G234400

Gene Model: PhHAL.9G234400.1.p

Description: PhhEXPA-22

Family: Alpha Expansin

3D structure:



GENOME DATABASES

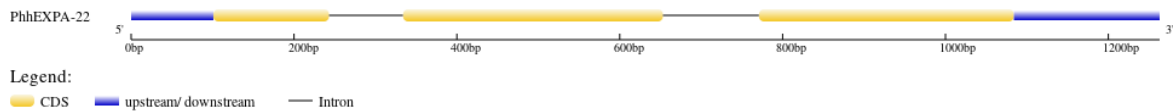
Phytozome: https://phytozome-next.jgi.doe.gov/info/PhalliiHAL_v2_1

KEGG:-

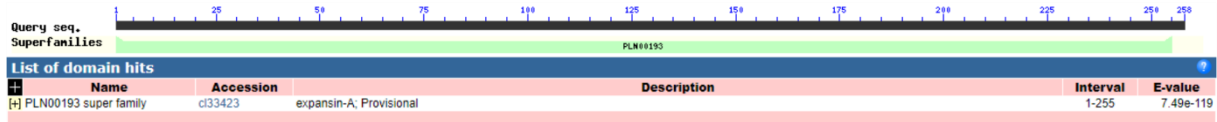
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhhEXPA-22

MGSTAAMLLRSVAVLALLAMSATTAQAQYWNSTGATFYGGRDGSMTMGGACGYD
NLYNQGYGVLNAALSQVLFNDGASCGQCYNIKCDTGKSGWCKPGYSVTVTATNLC
PPNYAITTNGGGWCNPPRPHFDMSSQPAWEQIGIYRAGIIPVLYQRVPCTRQGGVRFTI
SGFNQYFQLVLITNVAGSGSIRSMSVKGASTGWIAMTRNWGALWQCSSALVGEPLSFA
VTSTGGQTLYMNNIAPAWWTFGMTFASNNQFAY*

CDS (coding sequence)

>PhhEXPA-22

ATGGGCAGCACCGCGGCGATGCTGCTCAGGTCCGTCGCCGTCCTCGCGCTCCTCG
CCATGTCGGCGACAACGGCGGGCGGCAGTACTGGAACAGCGGGACGGCGACGT
TCTACGGCGGCAGGGACGGTTCGGGACGATGGGCGGCGCGTGCGGGTACGACA
ACCTGTACAACCAGGGGTACGGCGTGCTGAACGCGGCGTTGAGCCAGGTGCTGTT
CAACGACGGCGCGTCCTGCGGCCAGTGCTACAACATCAAGTGCACACCGGCAA
GTCCGGGTGGTGCAAGCCCGGCTACTCCGTCACCGTCACCGCCACCAACCTGTGC
CCGCCAACTACGCCATCACCACCAACGGGGGAGGCTGGTGCAACCCGCGCGC
CCCCACTTCGACATGTCGCAGCCGGCGTGGGAGCAGATCGGCATCTACCGCGCCG
GCATCATCCCCGTCCTTACCAGCGGGTGCCGTGCACGAGGCAGGGAGGGGTGA
GGTTCACCATCTCCGGCTTCAACTACTTCCAGCTGGTGCTCATACCAACGTCGCC
GGCAGCGGCTCCATCCGGTCCATGTCGGTGAAGGGCGCCAGCACCGGGTGGATC
GCGATGACCGGAACTGGGGCGCACTGTGGCAGTGCAGCTCGGCGCTCGTCGGC
GAGCCGCTCTCCTTCGCGGTACCTCCACCGGCGGCCAGACGCTGTACATGAACA
ACATCGCGCCGGCGTGGTGGACCTTCGGCATGACGTTCCGCCAGCAACAACCAGTT
TGCCTACTAA

Nucleotide

>PhhEXPA-22

CGACCCACTCGATCATCAATAGCTTCTCTAGCTTGTCCCTCTAGATCCTCAGCTCA
TCATCAGGTGCCATTGCTAGCTAGCTAGCTGCCAACAAGCTAGAGATGGGCAGCA
CCGCGGCGATGCTGCTCAGGTCCGTCGCCGTCCTCGCGTCTCAGCCATGTCGGC
GACAACGGCGGGCGGCAGTACTGGAACAGCGGGACGGCGACGTTCTACGGCGG
CAGGGACGGTTCGGGACGATGGGTACGTTACCTTCTATGTACGCAGCATTGCA

TTGCAACAGCTGCGTACCTGACGATCGATACTACTCTGCCGCGTGCTTCATTCCTG
CAGGCGGCGCGTGCGGGTACGACAACCTGTACAACCAGGGGTACGGCGTGCTGA
ACGCGGCGTTGAGCCAGGTGCTGTTCAACGACGGCGCGTCCTGCGGCCAGTGCTA
CAACATCAAGTGCGACACCGGCAAGTCCGGGTGGTGCAAGCCCGGCTACTCCGTC
ACCGTCACCGCCACCAACCTGTGCCCGCCCAACTACGCCATCACCACCAACGGGG
GAGGCTGGTGCAACCCGCGCGCCCCACTTCGACATGTCGCAGCCGGCGTGCGGA
GCAGATCGGCATCTACCGCGCCGGCATCATCCCCGTCCTCTACCAGCGGTACGCA
TATATATATATATACGGACGCAATTGTGATCGATGAAACGCCGCGCCGGCCACC
GCCGCCTCTCGCAAAGGCTTACATGATCGATCACCATCTGGTGTAATAATGTGCA
GGGTGCCGTGCACGAGGCAGGGAGGGGTGAGGTTACCATCTCCGGCTTCAACT
ACTTCCAGCTGGTGCTCATCACCAACGTCGCCGGCAGCGGCTCCATCCGGTCCAT
GTCGGTGAAGGGCGCCAGCACCGGGTGGATCGCGATGACGCGGAAGTGGGGCGC
ACTGTGGCAGTGCAGCTCGGCGCTCGTCGGCGAGCCGCTCTCCTTCGCGGTCACC
TCCACCGGCGGCCAGACGCTGTACATGAACAACATCGCGCCGGCGTGGTGGACCT
TCGGCATGACGTTCCGCCAGCAACAACAGTTTGCCTACTAATAGTTAGCTAGTTC
ACGACGCATAATTGCATGTGCATGTGCGTGTGCCTAGCCGATCTGGGATTAATT
AATTATAATACATCAGTTGACTTAATGGTGTGTGTGTGTGTGTTATGCGTGGGTTGAT
CTGGGATTTTATCTGTAATCGCATTCTGTCGATTTTGTCTACTACATACCT