

IDENTIFICATION

Species: *Panicum hallii* HAL

Locus: PhHAL.4G081900

Gene Model: PhHAL.4G081900.1.p

Description: PhhEXPA-11

Family: Alpha Expansin

3D structure:



GENOME DATABASES

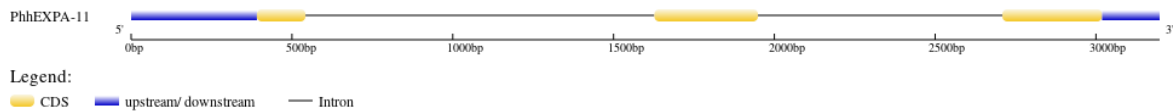
Phytozome: https://phytozome-next.jgi.doe.gov/info/PhalliiHAL_v2_1

KEGG:-

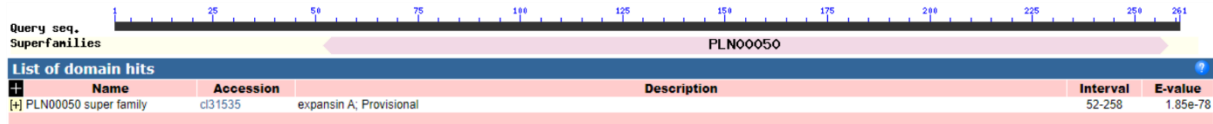
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhhEXPA-11

MASSLPLLLLLLLSGAGFCGGVRLGSGGYEDWRLGTATYVKEFQPHPLNDGGGACG
YGDLDIFRYGRYTAGLSAALFGRGGACGGCYELRCVNHQWCLRGSPTVVVTATDF
CPANMGLADEAGGWCNFPREHLELSEAAFLRVAKAKADIVPVQFRRVSCDRAGGM
RFTITGSAHFLQVLITNVAADGEVA AVKVKGSRTGWIPMGRNWGQNWQCDADLRG
QPLSFEVTGGRGRTVTAYSVASADWMFAQTFEGKQFVE*

CDS (coding sequence)

>PhhEXPA-11

ATGGCGAGCTCCCTGCCCTGCTCTTGCTGCTGCTGCTGCTGCCGGAGCCGGCTTCTG
CGGCGGCGTACGGCTCGGCAGTGGCGGCTACGAGGACTGGAGGCTCGGCACCGC
CACCTACGTCAAGGAGTTCAGCCGCACCCGCTCAACGACGGTGGCGGCCTG
GGGTACGGCGACCTGGACATCTTCAGGTACGGGCGCTACACGGCGGGGCTGAGC
GCGGCGCTGTTTCGGGCGCGGCGGCGCCTGCGGCGGCTGCTACGAGCTCCGGTGC
TGAACCACATCCAGTGGTGCCTCCGGGGCAGCCCGACGGTGGTGGTGACGGCGA
CGGACTTCTGCCCCGCCAACATGGGCCTCGCCGATGAGGCCGGCGGCTGGTGCAA
CTTCCCCCGGGAGCACCTCGAGCTGTCCGAGGCCGCGTTCCTCCGCGTCGCCAAG
GCCAAGGCAGACATCGTGCCGGTGCAGTTCGTAGGGTGGAGCTGCGACAGGGCG
GGCGGCATGCGGTTACGATCACCGGCAGCGCGCACTTCCTGCAGGTGCTGATCA
CCAACGTGGCGGCCGACGGCGAGGTGGCCGCCGTGAAGGTGAAGGGGTCGAGGA
CCGGGTGGATCCCGATGGGGCGGA ACTGGGGCCAGAACTGGCAGTGCGATGCCG
ACCTCCGCGGCCAGCCGCTGTCTGTTTCGAGGTCACCGGCGGGAGGGGCGGACGG
TCACCGCGTACAGCGTCGCGTCCGGCGGACTGGATGTTTCGCGCAGACGTTTCGAGGG
CAAGCAGTTCGTCGAGTAG

Nucleotide

>PhhEXPA-11

CAGGTCCTCAA AAGGGCAGCCTCCGCGGCTGCTCCCTCCTCCAACCTGACCCACT
GCTGCAAATCCCAATAAAGCCTGTGCAGAAAGGAAGCGCGCAA AAGCGGCCTCG
CCTTCCCTCTCCCTCTCCCTTCTACACAGCACCCGGTCCCTCCCTGGCGCCCG
GCTCTGTCACCTTTGACTCCCCCATTCGGTCTCCTCCCTCCCAACCGGCCAA
GCACACTGCACGTTCTAGTTCAGGCAGTCCAGAACAGCTCCAAGAAAAGGCTCT

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AGGCAAGCACGTACAAGTACAGCTAGTACAGTGCAGGTTTTCTTTACTGCTATC
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ACTATAGAAATGAAACAGCGCATTGGCAGACAATTCATTCATTGCAACTGCTCTT
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GGGGCCAGAACTGGCAGTGCGATGCCGACCTCCGCGGCCAGCCGCTGTCGTTCGA
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GAAAACCTTGCGCCGGCGGGCGTTTGTAAGTAGAATTATACGGGTGGGTTCTTGAT
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