

IDENTIFICATION

Species: *Panicum hallii*

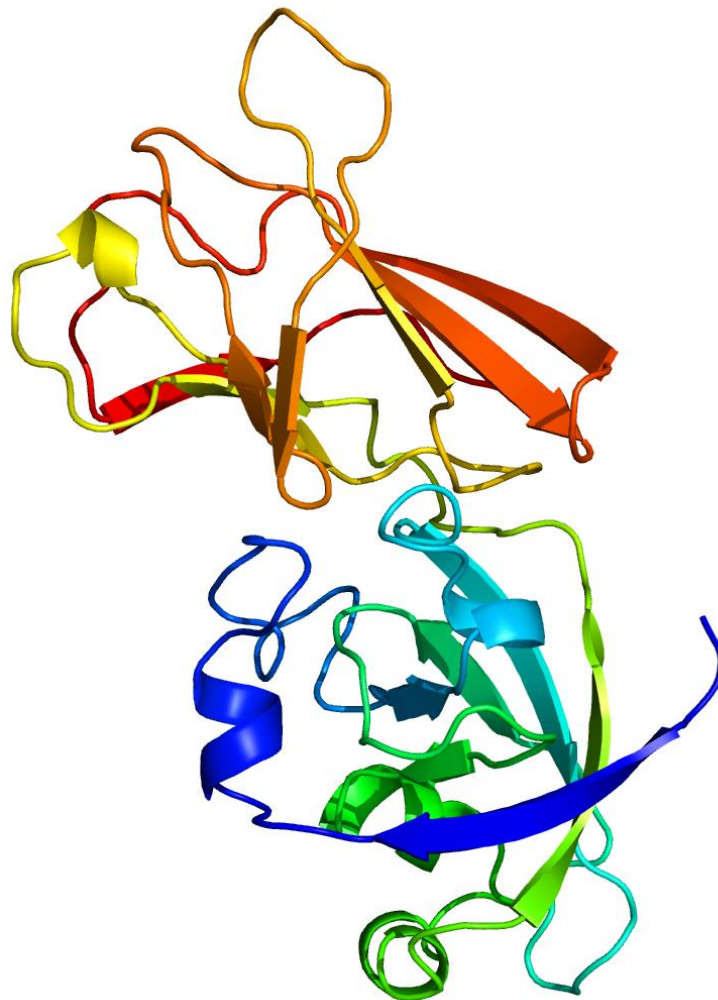
Locus: Pahal.9G616700

Gene Model: Pahal.9G616700.1.p

Description: PhEXLA-04

Family: Expansin Like Alpha

3D structure:



GENOME DATABASES

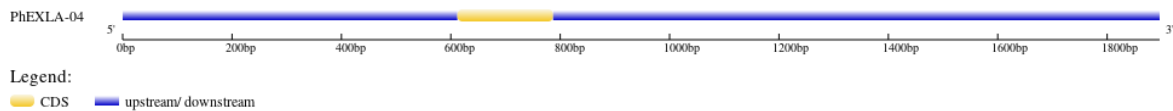
Phytozome: https://phytozome-next.jgi.doe.gov/info/Phallii_v3_1

KEGG: <https://www.genome.jp/entry/T07366>

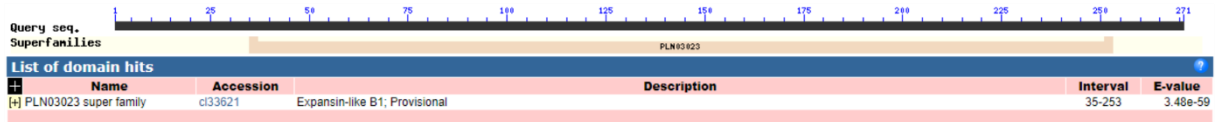
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhEXLA-04

MAVPVRLASCSSLALLLVLLTPLLASACDRCVRRSRASYTSSLTLAGGSCGYGAEA
AAMGGGFLAAGPALYRAGVGCACFQVRCKDSKLCAAAGARVVVTDRARTNRT
DLVLSSPAFAAMARPGMAARLAEVRTVDVEYKRVPCYKHRNLSVRVEKKSRAPE
LTVRFLYQGGQTDIVAVDVAQVGSNWKFMTRNYGPAWSTSQAPPGLQLRVVVT
GGYDQKWWADREVLPRRWAGEVYDTGVQIADIAQEGCYPCDTHEWE*

CDS (coding sequence)

>PhEXLA-04

ATGGCCGTCCCTGTCCGCCTTGCCTCCTGCTCCTCCCTTGCCTCCTCCTCGTCCTG
CTAACCCCGCTCCTCGCGTCCGCCTGCGACCGCTGCGTCCGCCGCTCCAGGGCCT
CCTACTACACCTCCTCGCTCACCTCGCCGGCGGCTCCTGTGGGTACGGCGCCGA
GGCGGCGGCCATGGGCGGGCGGCTTCCTCGCCGCCGCGGGCCCCGCGCTGTACCGG
GCCGGCGTTCGGTTCGGGCGCCTGCTTCCAGGTCCGGTGCAAGGACAGCAAGCTCT
GCGCCGCGGGCGGGCGCCCGGGTGGTTCGTCACGGACCGCGCCAGGACCAACCGCA
CCGACCTCGTGCTCAGCAGCCCGGCCTTCGCCGCCATGGCGCGCCCCGGCATGGC
CGCGCGCCTCGCCGAGCTGCGCACCGTTCGATGTCGAGTACAAGAGGGTGCCGTGC
GAGTACAAGCACCGGAACCTCTCGGTGAGGGTGGAGAAGAAGAGCCGCGCCCCC
GCCGAGCTGACCGTCAGGTTCTCTACCAGGGTGGCCAGACCGACATCGTCCGCCG
TCGACGTCGCGCAGGTCGGTTCGTCCAAGTTCATGACGCGCAACTACGG
CCCGGCGTGGAGCACGAGCCAGGCGCCGCCGGGGCCGCTGCAGCTCAGGGTGGT
GGTGACCGGCGGGTACGACGGCAAGTGGGTCTGGGCGGACCGCGAGGTCCTCCC
GCGGCGGTGGCGCGCCGGCGAGGCTACGACACGGGCGTCCAGATCGCCGACAT
CGCCCAGGAGGGCTGCTACCCCTGCGACACGCACGAGTGGGAGTGA

Nucleotide

>PhEXLA-04

ATGGCGGGGTCGGCCGGCTGCAGAGCAGAAGAATCTTTCTTCGAAATGCCAATG
GAACGGAGGAGGGAGAGACTTTTTGTACGGGGGAGAAAGGAGGTGATGAGGAA
TCGTGTGGCATTAAAGGCGGCACGGCGCAGCGTCTGGGTGCGGCATGCATCGGCA
TGTGAGTCCGCGCCGGGGTCCGTGCGCGCAGCTCCGCCTCCCCCGTCGCCGCAT
TCCTATTTAAGCACCGCCGCGATCACCGCCATCTTCTCACTCATCAGTCATCACC

TCTCCGGCCGGTCTAGTACTCTATCCTCCCACATTGCGTCGAGCGTGCCCACCCAC
ACACTGGCCTGCGACTGCAGGAGAGAGCGAGAGCCTAGGTAGATTGCCAATCGA
CATGGCGCGCAAGGTATCGTCGTGCCACTCGCTGGTGGTTGTCTTCGTCGCCGCG
AGCCTCGCCGCGACGGCCCCGGGCAGCATGGATCAGGGGCTCGGGCAGGTTCTAC
GGCGGGGCCGACGCCTCCGGCACAATGGGTGAGTGGCCAAGCTAGGCTCGGTTA
CTGGTTGCAATGCACTTCCAATGGCTTGGACCCGTGCGCTGATCGAGATGATTTG
CTGCAATTGATGCAGGTGGCGCGTGCGGGTACGGCAACCTATACTCGACGGGGTA
CGGGACGAACACGGCGGGCGCTGAGCTCGTCGCTGTTCAAGGACGGGGCGTCGTG
CGGGGAGTGCTACCAGGTCATGTGCGACCAGCAGAACAGCCAGTGGTGCAGGCC
GGGCGTGACGGTGACCGTCACGGCGACCAACCTGTGCCCTCAGACTGGTCCAAG
CCAAACAACAACGGCGGGCTGGTGCAACCCGCCGCGGCAGCACTTCGACATGGCG
CAGCCGGCCTGGGAGAAGATCGGGGTCTACCGCGGGCGGATACGTCCCAGGTCATGT
ACCAGAGGTACGTATACACATGAGCGCGCTTCTTATTACTCCAGTTCCCAGTCGC
CGCCGGCCGTCGTTTTGACGGCCGGTCAGCGCACGTACGCCGGCGATGACGATGA
CTAACGTGCGGGCGGCGTCACGTTGCAAATGTTCAACAGGGTGTGCTGCTCGCGGA
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CACCAATGTGGCCGGGCCGGGGTCCCTCAAGTCGGCGCAGATCAGGGGCACCCG
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CGGGCGGCCGGCCTGATCGAGTGCCCGCCATGCCTACTGCTTTACGGATGATTAT
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CTGCCTTTGCTTGGACACGAGATTATCGTGGACAGATCGATCGATGTGCCGAGAT
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CAAATGGTATGCGTACAAGTTTTTTTTTTGAGAG