

IDENTIFICATION

Species: *Panicum hallii*

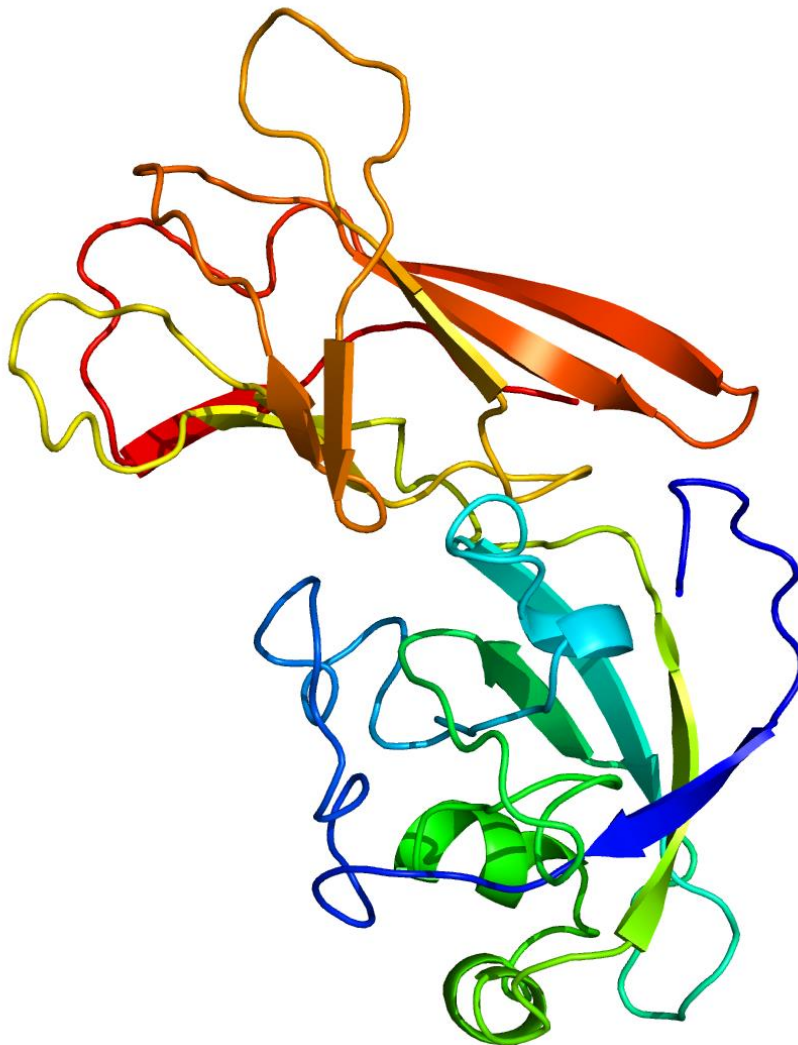
Locus: Pahal.9G399400

Gene Model: Pahal.9G399400.1.p

Description: PhEXLA-03

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>

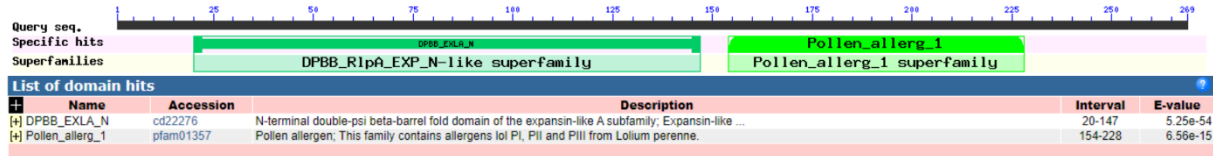
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhEXLA-03

MRSAAPLSLVLLAFIAVPSARGCDRCVRRSKATYQASSLALNAGSCGYGPLAASF
NGGFLAAAGPELYRGGVVGCGACFQVRCGDSLELCSPAGAKVVVTDQARTSNRTGLVL
SGAAYAAMARAGMAARLRARRVVDVEYKRIPEYANRNLSIRVEGKSRPPSELSIRF
LYQGGQTDIVAVDVATVVGSSSWRFMTREHGPAWSTAQAPAGPLQLRLVVTGGYDG
KWWWAESEVLPRRWEAGRVDAGVQVADVAQEGCYPCDTHEWQ*

CDS (coding sequence)

>PhEXLA-03

ATGAGGAGCGCCGCGCCCCTGTCCCTCGTCTTGCTCCTGGCCTTCATCGCGGTCCC
GTCCCCGGCTCGCGGCTGCGACCGCTGCGTGCGCCGCTCCAAGGCCACCTACCAG
GCCTCCTCGCTCGCCCTCAACGCCGGTTCGTGCGGGTACGGCCCCCTGGCCGCGT
CCTTCAACGGCGGCTTCTCGCCGCGGCGGGCCCCGAGCTCTACAGGGGCGGCGT
CGGCTGCGGCGCCTGCTTCCAGGTGAGGTGCGGGGACAGCGAGCTGTGCAGCCC
CGCCGGCGCCAAGGTGGTGGTGACGGACCAGGCGCGGACCTCGAACCGCACGGG
CCTGGTGCTGAGCGGCGCGGCGTACGCGGCCATGGCCC GCGCCGGCATGGCAGC
GCGGCTCAGGGCGCGGCGCGTTCGTGGACGTCGAGTACAAGAGGATCCCGTGCGA
GTACGCGAACCGCAACCTGTCGATCCGCGTGGAGGGGAAGAGCCGGCCGCGGAG
CGAGCTGTCCATCAGGTTCTGTACCAGGGCGGCCAGACCGACATCGTCGCCGTC
GACGTCGCCACGGTCGGGTCGTCGAGCTGGCGGTTTCATGACGCGGGAGCACGGT
CCGGCGTGGAGCACGGCGCAGGCGCCGGCGGGGCCGCTGCAGCTCCGGCTGGTG
GTCACCGGCGGGTACGACGGCAAGTGGGTGTGGGCGGAGTCGGAGGTGCTGCCG
CGGCGGTGGGAGGCCGGCCGCGTCTACGACGCCGGGGTGCAGGTGCGCCGACGTC
GCGCAGGAAGGGTGCTACCCCTGCGACACGCACGAGTGGCAGTGA

Nucleotide

>PhEXLA-03

ATGGGGTACCTGCCCAACGCCGTGGCCGTGGCCGTGGCCGTGGCCGCCGCTCCTGG
CGGCGGCGCTCGTCACCGGGCGGGTTCGTGCGACTCCTCATCAGCTCCCAATAAGGT
GCCGCCGGGCCCAACGTCACGACCGGCTACGACGGCAGGTGGCTCGCCGCTAA
GGCCACCTGGTACGGCAAGCCCGTTCGGCGCCGGCCCCGACGACAGCGGCGGCGC

GTGCGGGATCAAGGACGTGGACCGGCCGCCCTACAGCGGCATGACGTCCTGCGG
CAACGGCCCCATCTTCAAGGACGGCAAGGGCTGCGGCTCATGCTACGAGGTATAC
GTACGCGAGCAGAATTGCTTGACTAGCAGACGCGAGATCTTGACGAACTTGATGC
GTGCATGCAGATCAGATGCAATGCGCCGGAGGAGTGCTCCAACAATCCGGTGAC
GGTGTTCATCACCGACATGAACTACGACCCCATCGCCCCCTACCACTTCGACCTC
AGCGGCACCGCGTTCGGCGCCATGGCCACGGCGGGGCTCCAGGACAAGCTCCGC
CACCGCGGCATCATCGACCTGGAGTTCAGGAGGTCCGACACCATTATATATCTCG
CTCGATCAAATAAAAACTTCTTCACGATCTGCGTATGTACACGCCTGAATGCTGC
GCATTCCGATCCTGCACTCATGCAACAAGAATGACGACATGGAGCATGCATTGCA
GGGTGCAGTGCAAGTACGCGGCCGGGCAGAAGATCGTGTTCCACGTGGAGCACG
GCTCGAACCCCAACTACCTGGCGGTGCTGGTGAAGTTCGTGCGGGGCGACAGCGA
CGTCGTGCAGATGGACCTCAAGGAGAAGGCGTCGCCGGAGTGGGAGCCGATGCG
GCTCTCGTGGGGCACCATCTGGAGGATGGACACGCCAGGGCGCTCAGGGGCC
CTTCTCCATCCGCTCACAGCGAGTCCGGCGAGAAGCTCGTCGCCACCGACGTG
GTCCCGGAGAACTGGATCCCCAACACAGTCTACGAGTCCAACATCCAGTTCTAG