

IDENTIFICATION

Species: *Panicum hallii*

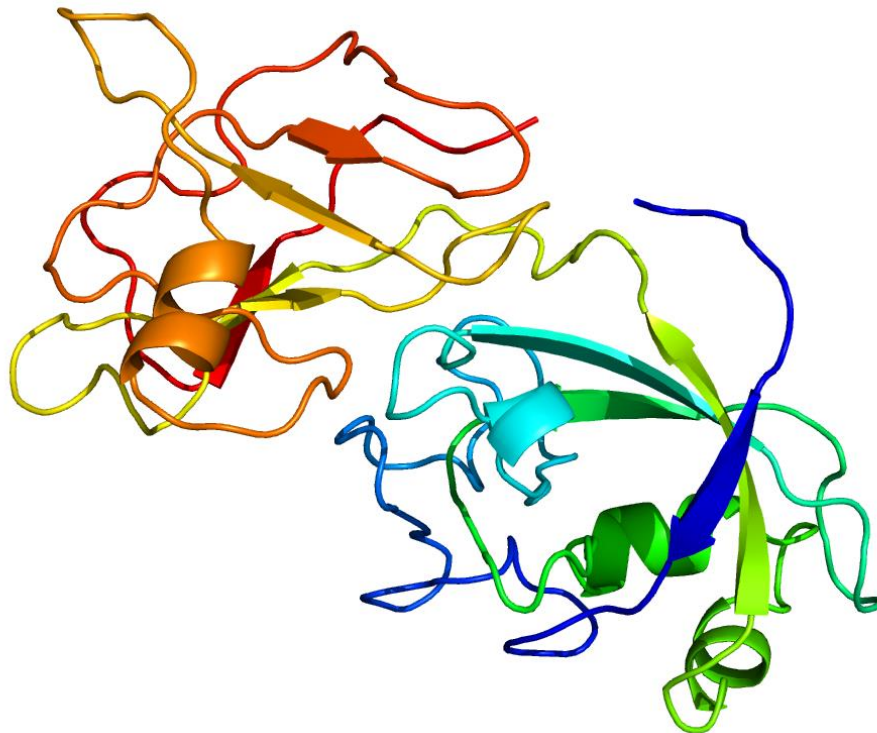
Locus: Pahal.4G009100

Gene Model: Pahal.4G009100.1.p

Description: PhEXLA-02

Family: Expansin Like Alpha

3D structure:



GENOME DATABASES

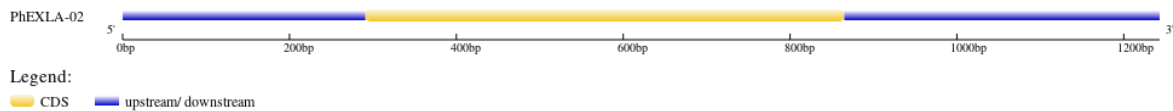
Phytozome: https://phytozome-next.jgi.doe.gov/info/Phallii_v3_1

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

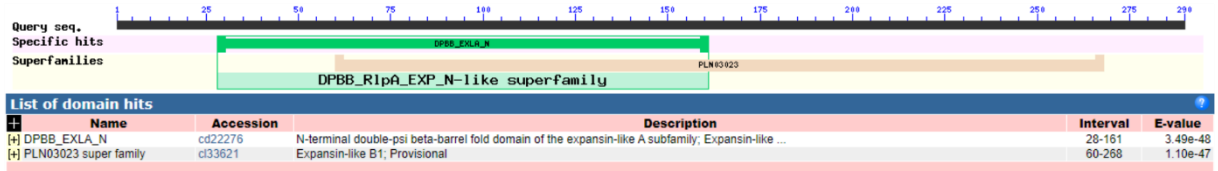
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhEXLA-02

MAAAMVLPPLLLLLTISQFLPPASCSPPSNYCYCDWCPRQSTASLPPPAADLGGTLGG
EGACGYGTAIAAELFGGYAVAAAGAEFFRDGAGCGACYQLRCRDRRVCGDGGVKV
VVTDVANRTGFLLAGAFAAMAKDGMADQIAGSDNVVPVDFRRIPCEYKRNLVVR
VEEGSRNPGQLAVRFLYQGGQTDIAAVEIAQANRTQLASSWQPMARLRRVWRATRA
PAGPLRLRLVVTAGFGGKWLQAQEAVLPADWRPGQAYDTGLRVTDVALRTCSSSCR
THAGDEELR*

CDS (coding sequence)

>PhEXLA-02

ATGGCCGCCGCCATGGTGCTGCCGCCGCTGCTTCTTCTCCTCACCATCAGCCAGTT
CCTGCCTCCCGCGTCTGCTCTCCTCCTTCCAATACTACTGCGACTGGTGCCCTC
GCCAATCCACCGCCTCTCTCCCCCTCCGGCCGCCGCCGACCTCGGCGGTACTACT
CGGCGGCGAGGGTGCTGTGGGTACGGTACCGCCATAGCTGCGGAGCTCTTTGGA
GGATACGCCGTCGCCGCCGCGGGCGCCGAGTTCTTCCGCGACGGTGCCGGCTGCG
GCGCCTGCTACCAGTTGCGGTGCAGGGACCGGCGGGTGTGCGGCGACGGCGGCG
TCAAGGTCGTCGTCACGGACGTCGCCAACCGCACCGGGTTCCTGCTCGCCGGGGA
GGCCTTCGCCGCGATGGCCAAGGACGGCATGGCCGACCAAATCGCCGGCTCGGA
TAACGTCGTCCCGGTGGACTTCAGGAGGATACCTTGCAGTACAAGAGGAACCTG
GTGGTACGGGTTGAGGAGGGGAGCCGGAACCCGGGCCAGCTCGCCGTCCGGTTC
CTGTACCAGGGCGGCCAGACCGACATCGCCGCCGTCGAGATCGCGCAGGCGAAC
CGCACCCAGTTGGCGTCGTCGTGGCAGCCCATGGCGCGGCTGCGTCGCGTGTGGC
GCGCCACGCGCGCCCCGGCCGGCCCGCTGCGGGTCCGCCTCGTCGTCACGGCCGG
CTTCGGCGGCAAGTGGCTGCAGGCCAGGAGGCGGTGCTGCCGGCGGACTGGCG
GCCCGGGCAGGCGTACGACACGGGGCTCCGGGTACCGACGTCGCCCTGCGCAC
CTGCAGCAGCTCCTGCCGCACGCACGCCGGCGATGAGGAGCTCAGATAG

Nucleotide

>PhEXLA-02

CACGCACAAGCAACGCAGCACCATCATCGACAATGGCGGGCGGCGTTCGACGCATC
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ACCCAAGGTTCCCCGGGCAAGAACATCTCGGCAGACTGCGACGGCAAGTGGCT
GGAGGCCAAGGCGACATGGTACGGCAAGCCGACAGGCGCGGGGCCCGACGACA
ACGGTGGCGCCTGCGGGTACAAGGAGGTGAACAAGGCTCCCTTCAACGGCATGG
GGGCGTGCGGCAACTCGCCATCTTCAAGGATGGCCTCGGCTGCGGCTCCTGCTA
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CGGCCTTTGGAGCCATGGCCAAGAAGGGGGAGGAGGAGAAGCTGCGCAAGGCG
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AGATCGCCTTCCACGTCCAGAAGGGCTGCAACCCCAACTACCTGGCGCTGCTCGT
CAAGTACGCCGCCGGCGACGGCGACATCGTCGGCGTCGACATCAAGGAGAAGGG
CGCCAAAGAGTACCAGTCCCTGAAGCACTCTTGGGGCGCCATCTGGAGGATGGA
CGCCCCAAGCCGATCAAGGGCCCCATCTCCATCCGCATCACCAGCGAGGGAGG
CAAAACGCTCGAACAGGAGGATGTCATCCCCGAAGGCTGGAAGCCCGACACCCT
CTACCCCTCCAAGCTCCAGTTCTGATCGATGATCCGATCCTACGTAAGGCAAGGC
CATCCATCACCAATTTTTTTGTTACACGTGCATGCAGGCATCTCTGTCTAGACCGAG
GAGTAAGGGAGAGAACGAATAAGCAGCGCCCGCTACGACAATCGGGAGGCGCTT
ATGATCGAATAAAGGAGGCGAGCGGCAAACAGTGTCCCTCTTGACTATTATATTT
TGCATTTCTCAGCCCATAGGACCTTCTCAATGCACTAGCAATGAACTTATATATCA
TGGTTAGTTAAATCTGTTGTAATGGATCTTTCTTTCTTTTTTTTATTGTGCCATTTGT
GGCCCGATACGAGTTCTTGTTTCATGATGTGGATAAAACACAGGTAAGCATCGTAC
TACCTACTACGCATTATTCGATGTGGCTAAAACACCCGATC