

IDENTIFICATION

Species: *Panicum hallii*

Locus: Pahal.1G323700

Gene Model: Pahal.1G323700.1.p

Description: PhEXPB-01

Family: Beta Expansin

3D structure:



GENOME DATABASES

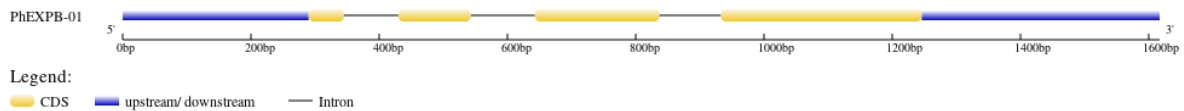
Phytozome: https://phytozome-next.jgi.doe.gov/info/Phallii_v3_1

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

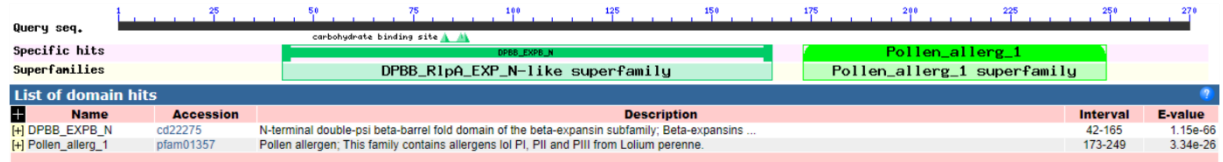
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhEXPB-01

MAGSSSSSAACAVLLASLVCAACLFGSGEASGAAHRVVDPEWHPATATWYGSAEG
DGSDGGACGYGTLVDVVPMKARVGA VSPVLFKSGEGCGACYKVRCLDRGICSRRA
VTVIVTDECPGGVCAGGRTHFDLSGAAFGRLAVAGAGGQLRNRGEINVVFRRTACR
YGGKNIAFHVNEGSTSFWLSLLVEFEDGDGDIGSMQLKQANSARWQDMQHIWGAT
WSLTPGPLVGPFSVRLTTLTSKQTLAAQDVIPKNWAPKATYTSRLNFA*

CDS (coding sequence)

>PhEXPB-01

ATGGCCGGCTCCTCGAGCTCTTCCGCCGCTGCGCCGTGCTCCTCGCGTCGCTCGT
CTGCGCCGCGTGCTCTTCGGCTCCGGGGAGGCATCGGGGGCGGCGCACAGGGT
GGTCGACCCCGAGTGGCACCCGGCCACCGCCACCTGGTACGGCAGCGCCGAGGG
CGACGGCAGCGACGGCGGCGCGTGC GGGTACGGGACGCTGGTGGACGTGGTGCC
GATGAAGGCGCGCGTGGGCGCGGTGAGCCCCGTGCTGTTCAAGTCCGGCGAGGG
CTGCGGCGCCTGCTACAAGGTCCGGTGCCTCGACCGCGGCATCTGCTCGCGCCGC
GCCGTACGGTCATCGTCACGGACGAGTGCCCCGGCGGCGTCTGCGCGGGGGGC
CGCACGCACTTCGACCTCAGCGGCGCCGCGTTCGGCCGCCTCGCCGTGCGCGGCG
CCGGCGGACAGCTGCGCAACCGCGGCGAGATCAACGTCGTGTTCCGCAGGACGG
CGTGCAGGTACGGGGGCAAGAACATCGCCTTCCACGTGAACGAGGGCTCCACCA
GCTTCTGGCTCTCCCTCCTGGTGGAGTTCGAGGACGGCGACGGCGACATCGGATC
CATGCAGCTCAAGCAGGCAAACTCGGCGCGGTGGCAGGACATGCAGCACATCTG
GGGGGCCACGTGGAGCCTCACCCCGGGCCCGCTCGTCCGGTCCCTTCTCCGTGAGG
CTGACGACCCTGACCAGCAAGCAGACGCTCGCGGCCAGGACGTCATCCCCAAG
AACTGGGCCCCCAAGGCCACTTACACCTCCCGCCTCAATTTTCGCGTAG

Nucleotide

>PhEXPB-01

ACACCACTCGAGCTGAGCTCATCTCCTAGCTCACAGCCTCTCCGAGCTACCACT
GCTTAGCCCAGAAGCAGCAGCAAGCAAGAAGCTTGCGGCAGTAGCGATGGCGAA
GTCCTACACCTTACTGTTTCGGCGCGCTGGTCTGTGCTCGGGCTTCTAGTGAGCCCA

TTGCTTGCACCCGCAAGCTCGCCAAGCCAAACAGGCACAGGCGGCCGGCGCACA
GGCCGGCAGTGAGGGCCCGCAGCAACCACACCGCTACCCCTCGGCCTCCTACGC
CTACGGCTCCGGCGGCTGGCTGTCCGCCGGCGCGACGTACTACGGCGGCCAAC
GGCGACGGCAGCGACGGTTAGTGCGGTTCTTATTCTATTGTCTGTCTGGTTAGCAT
TACACGTCGCTTTTGGCATGGAGCGGGGCGAATTTGTATATGCAGGCGGGCGGTG
CGGCTACCAGACTGCCGTCGGCCAGCGGCCGTTCTCGTCGATGATCGCCGCCGGG
AGCCCGTCTCTGTTCAAGGGAGGCAAGGGATGCGGCGCCTGCTACGAGGTCAGC
ATTGCACACAGTCTAAAATCTAAACTACATTCATGGTGCAAAGTGGTCGGCGCTG
GTGCTAACTGAATGCGTTCATGTGCCGCGCGTAATGCAGGTTAAATGCGACAGCA
ACCCGGCGTGCTCCGGGCAGCCGGCGACCGTGGTCATCACCGACGAGTGCCCCG
CGGGGTCTGCCTCGCTGAGGCGGCCACTTCGACATGAGCGGCACCTCCATGGGC
GCCATGGCGAAGCCCGGCATGGCCGACAGGCTCCGCGCCCGCGGAATCCTCAAG
GTCCAGTACAAGAGGTACGTGCGTGCCCTGCTGCTACCTACAGTATTTAGAAGTTC
AGAATTCCATCTCAGAACGGAGTTCACATATAGTTACCGCTCTCGTGCGTGGAAG
GGTGCCGTGCAAGTACAGCGGCGTGAACATCGCCTTCCAGGTGGACCAGGGCTCC
AACCCGTTCTACTTCGAGGTGCTGGTCGAGTTCGAGGACGGCGACGGCGACCTCA
GCGCCGTCCACCTGATGGAGGCTGGCTGCAGCACCTGGACGCCGATGGTGCAGA
ACTGGGGCGCGCTGTGGCGCTACAACCTCAACACCGGCAAGGCGCTGAGGGCGC
CATTCTCGATCCGGCTTACCTCCGACTCCGGCAAGGTCCTCGTCGCCAACAACT
CATCCCCGCCAGCTGGAAGGCCGGAGCCACGTACCGCTCCTTGGTGAACACTCT
TAAATGACTGCTCCCAGATCAAGTGGTGTGGACGGGACTGCGTATCGGGGTGTTT
GCGAGAGGCGGTGTCAGTCTGTCAGAAGAGAAGCAGGTTAAAGAATCCTGCTGT
TCGATTCTTTCCCTCCCTCCACGGTCTCTGCGGCCCCCGGTGATGCGCGTTGCCGT
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ATGAATCACTGCTATTTTCGTCCG