

IDENTIFICATION

Species: *Panicum hallii*

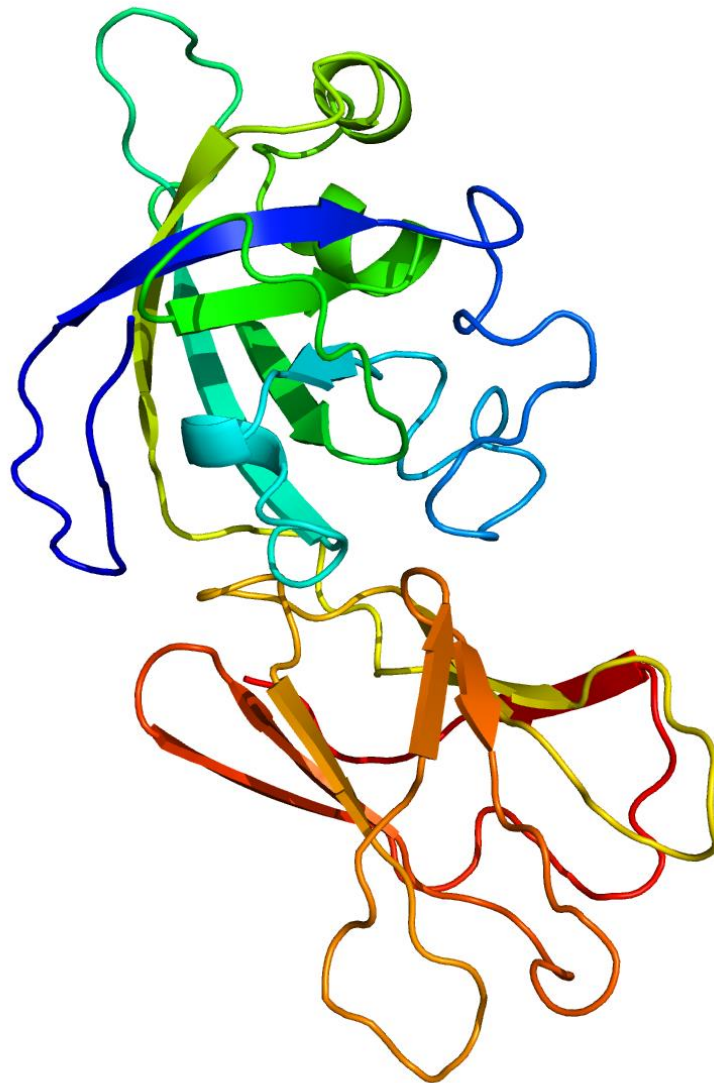
Locus: Pahal.9G388700

Gene Model: Pahal.9G388700.1.p

Description: PhEXPB-25

Family: Beta Expansin

3D structure:



GENOME DATABASES

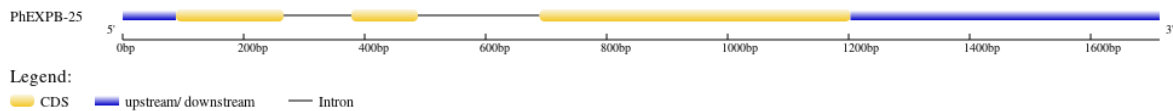
Phytozome: https://phytozome-next.jgi.doe.gov/info/Phallii_v3_1

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

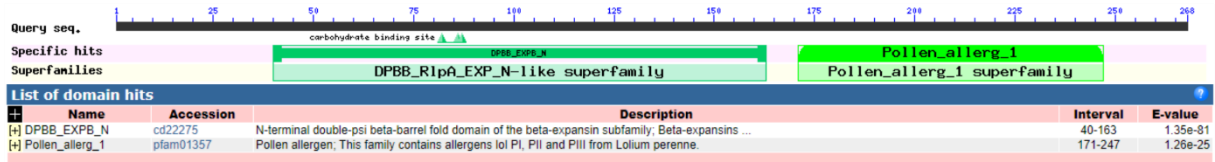
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhEXPB-25

MAAALVVGLLAVLVAHGARAQPANHTSSAVRQLRGSGGGWLPAKATWYGAPNGA
GPDDNGGACGFKGTNQYPFMSMTSCGNQPLFKDGQGCGACYEVKCTSKNNPACSG
QPKRVMITDMNYYPVAKYHFDLSGTAFGALARPGLNDKLRHAGIIDIQFRRVPCDHR
GLTINFHVEQGSNPVYLAVLVEYANKAGTVLQMDLRESGSRYWTPMRRSWGSVWR
LDSNHPLRAPFSLRIRGEPRKPLVAYNVIPANWRPNTDYRSYVQFN*

CDS (coding sequence)

>PhEXPB-25

ATGGCAGCTGCCCTCGTTGTTGGGCTCCTCGCCGTGCTTGTCGCGCATGGCGCCCG
CGCGCAGCCAGCGAACCACACCTCCTCCGCCGTCCGCCAACTCCGCGGCTCCGGC
GGCGGCTGGCTCCCGGCCAAGGCCACCTGGTACGGCGCGCCCAACGGCGCCGGC
CCCGACGACAACGGTGGCGCGTGTGGGTTCAAGGGCACCAACCAGTACCCCTTCA
TGTCCATGACGTCGTGCGGCAACCAGCCCCTGTTCAAGGACGGCCAGGGCTGCGG
CGCATGCTACGAGGTAAGTGCACCAGTAAGAACAACCCGCCTGCTCCGGCCA
GCCAAGCGGGTGATGATCACGGACATGA ACTACTACCCGGTGGCCAAGTACCA
CTTCGACCTCAGCGGCACCGCGTTCGGCGCCCTGGCGAGGCGGGCCTCAACGAC
AAGCTCCGCCACGCCGCATCATCGACATCCAGTTCGGAGGGTGCCCTGCGACC
ACCGGGGGCTCACCATCAACTTCCACGTGGAGCAGGGCTCCAACCCCGTCTACCT
CGCGGTGCTGGTTCGAGTACGCCAACAAGGCAGGGACCGTGCTGCAGATGGACCT
CCGCGAGTCCGGCTCGCGCTACTGGACCCCGATGCGGCGCTCCTGGGGCTCCGTC
TGGCGCCTGGACTCCAACCACCCGCTGAGGGCGCCCTTCTCGCTGCGCATCCGCG
GCGAGCCCGCAAGCCGCTCGTGGCCTACAACGTCATCCCGGCCAACTGGAGGCC
CAACACCGACTACCGCTCCTACGTCCAGTTCAACTGA

Nucleotide

>PhEXPB-25

GAACACGCAGCACATCCTGACATCCAACAAGTACATACCAGCAGCTTAGTAGAA
GCTGAGATCGATATATATGATGGCCGCCAGGCAGCTGCTGCACTCGTTGCTGGG
CTCCTCGCCGTGCTTGTCGTCGCGCATGGCGTTCGAGCACAGCCGGCGAACGACA

CCTCCTCCGCCGTCCGCCAACTCCTCGGCTCCGGCGGGCGGCTGGCTCCCGGCCAA
GGCCACCTGGTACGGCGCGCCCAACGGAGCCGGCCCCGACGACAACGGTATGTA
CACGCGTTGCTGTTGCTGTCGTGTTTACAAGCTGGTTTCGCATGCATGCCATCCGA
GCAATGCCGTGGCTGACATTGTGTTGTGCGTCCGGTTCTGCTTCTGCAGGTGGCGC
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AACGAGCCCCTGTTCCAGGACGGCCAGGGCTGCGGTGCATGCTACGAGGTAACC
ACTGTAAATTACCCGTCCACTTGTCCGGAGCATTTAATTCTGATCATTCAAATGT
ACTACTATACTGCACCAGATTTGTAGTATATCTTTTCCCTCGAAGTTGACAATCTTG
CATCGTTCAGTACGAGTCCCTTGAACCTCGTGAGGTCAACCTCAACAAGCATAACGC
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GCCTGCTCCGGCCAGCCCAAGAGGGTGATGATCACGGACATGAACTACTACCCG
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CGGGCCTCAACGACAGGCTGCGCCATGCGGGCATCATCAACATCCAGTTCAGGA
GGGTACCCTGCGACAACCGGGGGCTCACCGTCAACTTCCACGTGGAGCAGGGGCTC
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GCTGCAGATGGACCTCCTCGAGTCCGGCTCGAGCTACTGGACACCGATGCGGGCGC
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TTTTA