

IDENTIFICATION

Species: *Panicum hallii* HAL

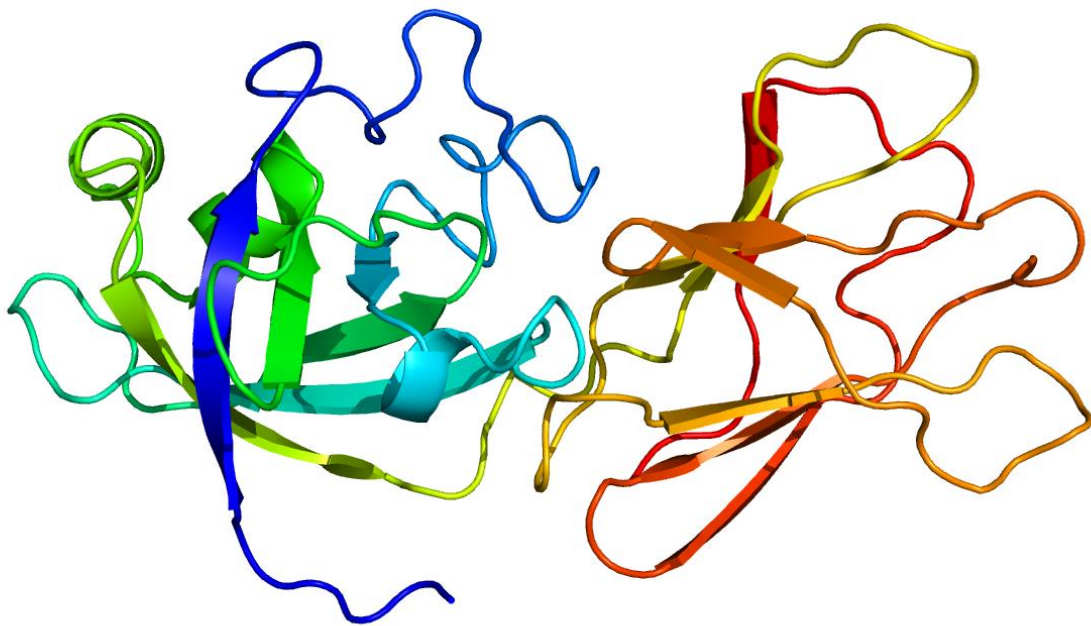
Locus: PhHAL.9G402800

Gene Model: PhHAL.9G402800.1.p

Description: PhhEXPB-18

Family: Beta Expansin

3D structure:



GENOME DATABASES

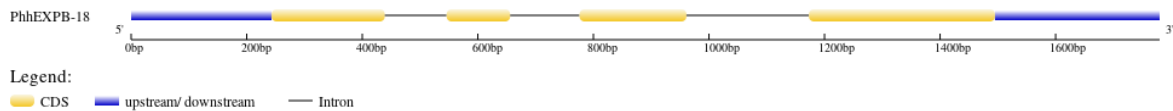
Phytozome: https://phytozome-next.jgi.doe.gov/info/PhalliiHAL_v2_1

KEGG:-

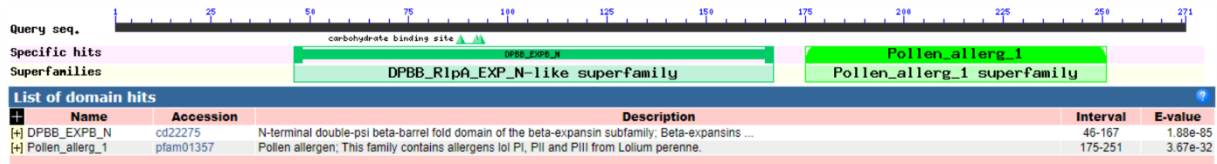
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhhEXPB-18

MASAMIAAKVASLTAALLIFSLLVTYGSCARPVSFNASAFTADPNWEAARATWYGA
PTGAGPYDDGGACGFKNVNLPFSSMTSCGNQPLFKDGGKCGSCYQIRCTNHAACS
GNPETVIITDMNYYPVSKYHFDLSGTAFGAMAKPGRNDELRHAGIIDIQFKRVPCNYP
GQKVTFHVEEGSNPMYLA VLVEFEDGDGDVVQVDLMEANSGSWAPMRESWGSWR
MDSNHRLQAPFSLRITNESGRKLVANRVIPANWAPNTYYRSIIQY*

CDS (coding sequence)

>PhhEXPB-18

ATGGCATCCGCCATGATCGCCGCGAAGGTGGCCTCGCTTACTGCCGCACTACTGA
TATTCTCGCTCCTGGTCACGTATGGCTCGTGCCTCGACCGGTGAGCTTCAACGCC
TCCGCCTTACC GCCGACCCCAACTGGGAGGCGCCAGGGCCACCTGGTACGGCG
CGCCACCGGCGCCGGCCATACGACGACGGTGGCGCCTGTGGATTCAAGAACG
TTAACCTGCCGCGTCTCGTCCATGACGTCGTGCGGCAACCAGCCCCTGTTCAA
GGACGGCAAGGGCTGCGGCTCCTGCTACCAGATACGATGTACCAACCACGCTGC
GTGCTCCGGCAACCCGGAGACGGTGATCATCACCGACATGAACTACTACCAGTG
TCAAATAACACTTCGACCTCAGCGGCACGGCCTTCGGCGCCATGGCAAAGCCCG
GCCGCAACGACGAGCTCCGCCACGCCGGCATCATCGACATCCAGTTCAAGAGGG
TGCCCTGCAACTATCCCGGGCAGAAGGTGACCTTCCACGTCGAGGAGGGCTCGAA
CCCCATGTACCTGGCGGTGCTCGTTCGAGTTCGAGGACGGCGACGGCGACGTGGTG
CAGGTGGACCTGATGGAGGCCAACTCCGGATCGTGGGCGCCGATGCGCGAGTCC
TGGGGATCCATCTGGAGGATGGACTCCAACCACCGGCTGCAGGCGCCCTTCTCGC
TGCGCATACCAACGAGTCCGGCAGGAAGCTGGTGGCCAACCGGGTCATCCCGG
CCAACCTGGGCGCCCAACACCTACTACCGCTCCATCATCCAGTACTAG

Nucleotide

>PhhEXPB-18

TTCCTCCCATGTGACCCCTACCAAAGCAGGGCGGGCGCAACGACCGCTGTGATGG
CGATCGCGGCGCACTGATGATCCTTCCCGGTCTATAAGTGACCCGGCAGCGTGC
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TACTAGCTACCCTCGCAAGCTTGCGAGCTTATCCGACTTAGCTTGTACGTAGCAG
CGCTAGTTGCCTCGCTAGTAAGATGGCATCCGCCATGATCGCCGCGAAGGTGGCC
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TCGACCGGTGAGCTTCAACGCCTCCGCCTTACCGCCGACCCCAACTGGGAGGCC
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CAGATACGATGTACCAACCACGCTGCGTGCTCCGGCAACCCGGAGACGGTGATC
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CGGCCTTCGGCGCCATGGCAAAGCCCGGCCGCAACGACGAGCTCCGCCACGCCG
GCATCATCGACATCCAGTTCAAGAGGTGGGTAACATGCGCCGCACGTTGCTCGGA
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CTGTCAATCTACTTGTGCTGCATGTGGAGCCCTTGTAGATTTTCGCAGAAATTTTT
AGCAGTTACTGTGGCTACTCCTAATCTCTGGAGGCCTGATGCCAAGACTGATGGA
AACATGTCACATGCAGGGTGCCTGCAACTATCCCGGGCAGAAGGTGACCTTCCA
CGTCGAGGAGGGCTCGAACCCCATGTACCTGGCGGTGCTCGTCGAGTTCGAGGAC
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