

IDENTIFICATION

Species: *Panicum hallii* HAL

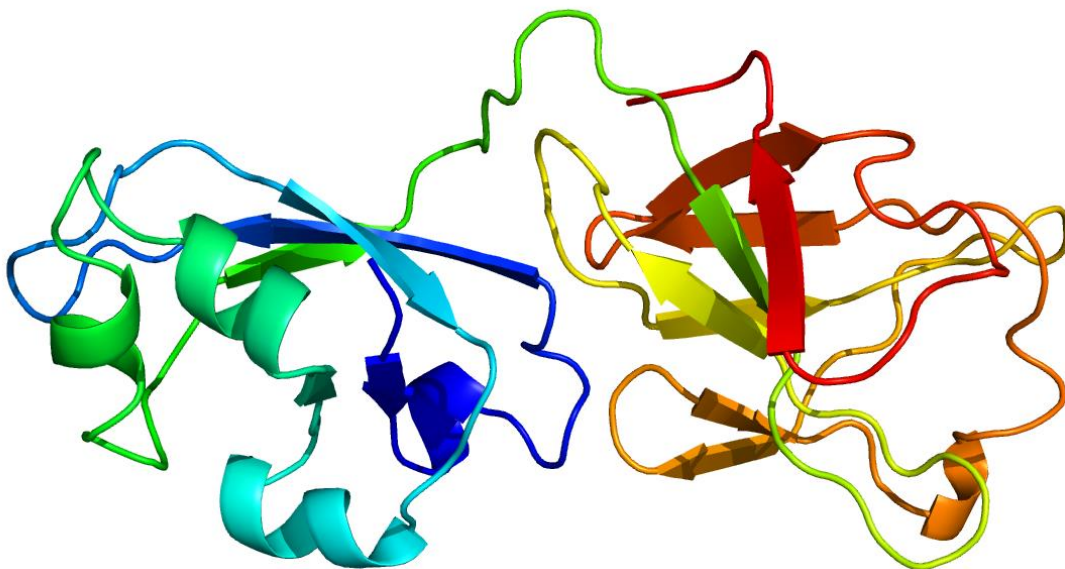
Locus: PhHAL.1G326900

Gene Model: PhHAL.1G326900.1.p

Description: PhhEXPB-03

Family: Beta Expansin

3D structure:



GENOME DATABASES

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

KEGG:-

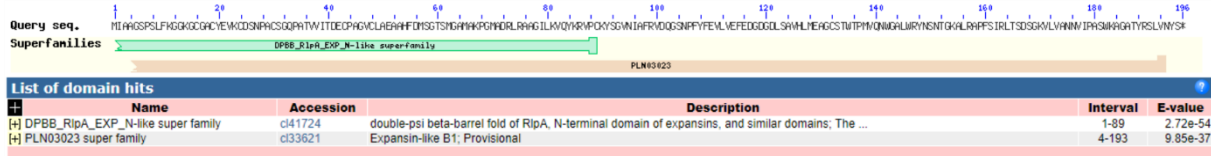
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhhEXPB-03

MIAAGSPSLFKGGKGCYEVKCDNSNPACSGQPATVVITDECPAGVCLAEAAHFD
 MSGTSMGAMAKPGMADRLRAAGILKVQYKRVPCKYSGVNIAFRVDQGSNPFYFEV
 LVEFEDGDGDL SAVHLM EAGCSTWTPMVQNW GALWRYNSNTGKALRAPFSIRLTS
 DSGKVLVANNVIPASWKAGATYRSLVNYS*

CDS (coding sequence)

>PhhEXPB-03

ATGATCGCCGCCGGGAGCCCGTCTCTGTTCAAGGGAGGCAAGGGATGCGGGCGCC
 TGCTACGAGGTTAAATGCGACAGCAACCCGGCGTGCTCCGGGCAGCCGGCGACC
 GTGGTCATCACCGACGAGTGCCCCGCCGGGGTCTGCCTCGCTGAGGCGGCCACT
 TCGACATGAGCGGCACCTCCATGGGCGCCATGGCGAAGCCCGGCATGGCCGACA
 GGCTCCGCGCCGCCGGAATCCTCAAGGTCCAGTACAAGAGGGTGCCGTGCAAGT
 ACAGCGGCGTGAACATCGCCTTCCGGGTGGACCAGGGCTCCAACCCGTTCTACTT
 CGAGGTGCTGGTCGAGTTCGAGGACGGCGACGGCGACCTCAGCGCCGTCCACCT
 GATGGAGGCTGGCTGCAGCACCTGGACGCCGATGGTGCAGAACTGGGGCGCGCT
 GTGGCGCTACAACCTCAACACCGGCAAGGGCGCTGAGGGCGCCATTCTCGATCCGG
 CTCACCTCCGACTCCGGCAAGGTCTCGTCGCCAACAACGTCATCCCCGCCAGCT
 GGAAGGCCGGAGCCACGTACCGCTCCTTGGTGAACACTACTCTTAA

Nucleotide

>PhhEXPB-03

GGCGCGTGCGGCTACCAGACTGCCGTCGGCCAGCGGCCGTTCTCGTCGATGATCG
 CCGCCGGGAGCCCGTCTCTGTTCAAGGGAGGCAAGGGATGCGGGCGCCTGCTACG
 AGGTCAGCATCGCGCAGAGTCTAAAATCTAAAGTACATTCATGGTGCAAAGTGGT
 CGGCGCTGGTGCTAACTGAATGCGTTCATGTGCCGCGCGTAATGCAGGTTAAATG
 CGACAGCAACCCGGCGTGCTCCGGGCAGCCGGCGACCGTGATCACCGACGA
 GTGCCCCGCCGGGGTCTGCCTCGCTGAGGCGGCCCACTTCGACATGAGCGGCACC
 TCCATGGGCGCCATGGCGAAGCCCGGCATGGCCGACAGGCTCCGCGCCGCCGGA
 ATCCTCAAGGTCCAGTACAAGAGGTACGTGCGTGCTGCTACCTACAGTATT
 TAGAAGTTCAGAATTCCATCTCAGAACGGAGTTCATATATAGTTACCGCTCTCGT

GCGTGGAAGGGTGCCGTGCAAGTACAGCGGCGTGAACATCGCCTTCCGGGTGGA
CCAGGGCTCCAACCCGTTCTACTTCGAGGTGCTGGTTCGAGTTCGAGGACGGCGAC
GGCGACCTCAGCGCCGTCCACCTGATGGAGGCTGGCTGCAGCACCTGGACGCCG
ATGGTGCAGAACTGGGGCGCGCTGTGGCGCTACAACCTCCAACACCGGCAAGGCG
CTGAGGGCGCCATTCTCGATCCGGCTCACCTCCGACTCCGGCAAGGTCCTCGTCG
CCAACAACGTCATCCCCGCCAGCTGGAAGGCCGGAGCCACGTACCGCTCCTTGGT
GAACTACTCTTAAATGACTGCTCCCAGATCAGGTGGTGTGGACGGGACTGCGTAT
CGGGGTGTTTGCGAGAGGGCGGTGTCAGTCTGTCAGAAGAGAAGCAGGTAAAGA
ATCCTGTTGTTTCGATTCTTTCCCTCCCTCCACGGTCTCTGCAGCCCCCGGTGATGC
GTGTTGCCGTGTACTAGTCGTTGTGTCTATTTTTCTGTACGTGTTTTTTTTCTTTTT
CTTCCTCTCAGTTGTGATGTCGAGGAGAGAAGCCAAGCTTGAGCTGCGACTAATG
TTGCATGCTGGTGTGTCGGCTATGAAATTGTGTGTGTGTTTTTTTGCCACGCAATC
CTTTCGGAGAAATGAATCAC