

IDENTIFICATION

Species: *Panicum hallii* HAL

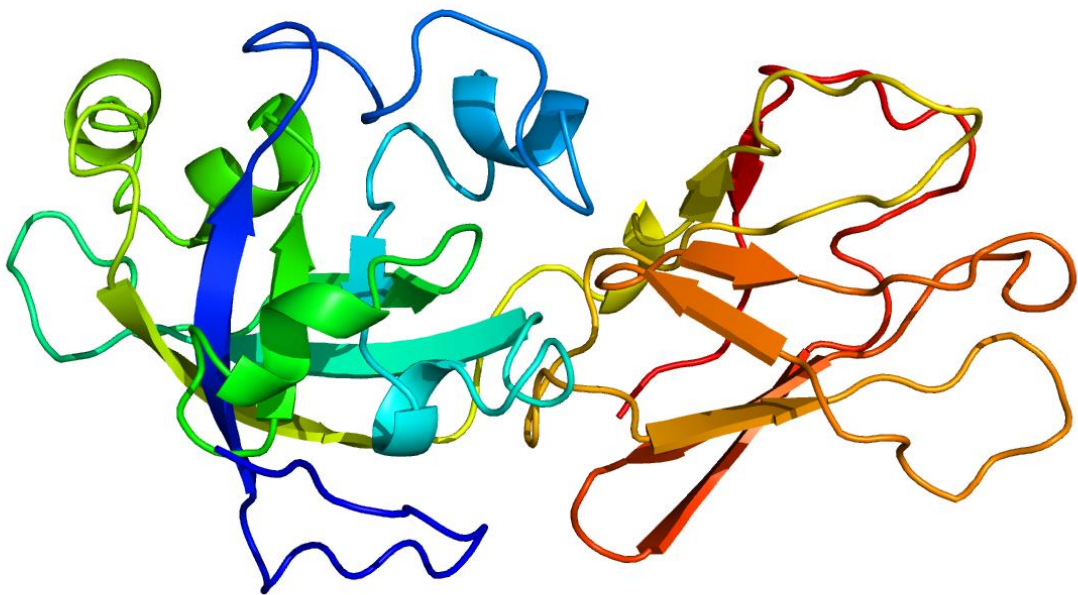
Locus: PhHAL.2G111300

Gene Model: PhHAL.2G111300.1.p

Description: PhhEXPB-05

Family: Beta Expansin

3D structure:



GENOME DATABASES

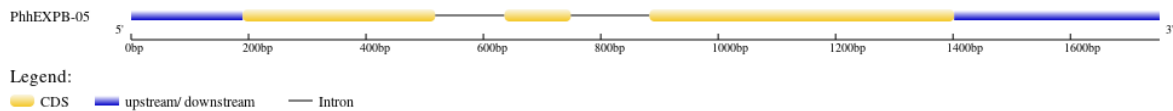
Phytozome: https://phytozome-next.jgi.doe.gov/info/PhaliiHAL_v2_1

KEGG:-

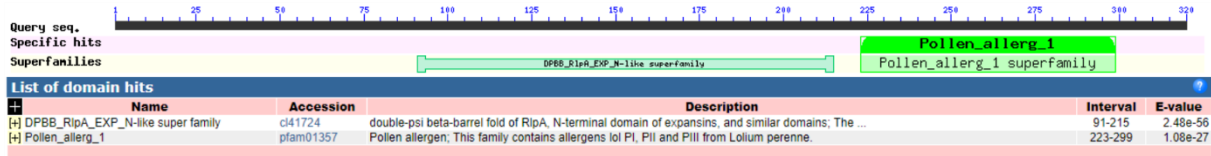
EXTERNAL RESOURCES

-

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhhEXPB-05

MAKLCSVLVAAVVVLSLLTSPIDCTRKLSKPRPKPKPKPVSHRPAPAAKVSHKPAAP
 AVKVSRRKPAAPAAKHRNYTATPSSPSTVYGSGGWLSGAGATYYGAPNGDGGEGGA
 CGYQTAVGKQPFDSMIAAGSTPLYRGGEGCGACYEVKCTTNAACSGHPVTIVITDQS
 PGGLFPGEVAHFDMSGTALGAMAKPGMADKLRAGGVLRIQYRRVQCKYPGVNVAF
 KVDQGANPFYFDVLVEFEDDDGDLSAVELMEAGSRAWTPMAHNWGATWRLNNGR
 RLNAPFGLRLTSGSGRVLVVNNAIPAGWKPGTTYRSLVNYP*

CDS (coding sequence)

>PhhEXPB-05

ATGGCGAAGCTTTGCTCAGTGCTGGTGGCCGCAGTGGTCGTGCTCTCGCTTCTGA
 CGAGCCCCATTGATTGCACCCGCAAGCTCAGCAAGCCCAGGCCAAAGCCCAAGC
 CCAAGCCGGTCAGCCACAGGCCGGCACCCGGCAGCCAAGGTCAGCCACAAGCCGG
 CGGCGCCTGCCGTCAAGGTCAGCCGCAAGCCGGCGCCTGCGGCCAAGGCCACC
 GCAACTACACCGCCACCCCTTCCTCGCCGTCCACCGTGTATGGCTCCGGCGGCTG
 GCTGTCCGGCGCCGGGGCCACGTAACGCGCCCAACGGCGACGGCGGCGA
 AGGCGGCGCGTGCGGGTACCAGACCCGGTCCGGGAAGCAGCCGTTGACTCGAT
 GATCGCCGCGGGAGCACGCCGCTGTACAGGGGCGGCGAGGGCTGCGGCGCCTG
 CTATGAGGTCAAATGCACGACCAACGCGGCCTGCTCCGGCCACCCGGTGACCATC
 GTGATCACCGACCAGTCCCCGGCGGGCTGTTCCCCGGCGAGGTCGCCACTTCG
 ACATGAGCGGCACGGCGCTGGGCGCCATGGCGAAGCCCGGCATGGCCGACAAGC
 TCCGCGCCGGCGGGCGTCTGAGGATCCAGTACAGGCGGGTGCAGTGCAAGTACC
 CCGGCGTGAACGTCGCCTTCAAGGTGGACCAGGGCGCCAACCCGTTCTACTTCGA
 CGTGCTGGTCGAGTTCGAGGACGACGACGGCGACCTCAGCGCCGTGGAGTCAT
 GGAGGCCGGCAGCCGGGCTGGACGCCCATGGCGCACAACTGGGGCGCCACGTG
 GCGGCTCAACAACGGCAGGAGGCTCAACGCGCCCTTCGGGCTCCGGCTCACCTCC
 GGCTCCGGAAGGGTGCTCGTCGTCGTAACAACGCCATCCCCGCGGGGTGGAAGCCC
 GGGACGACCTACCGGTCGCTGGTCAACTACCCCTGA

Nucleotide

>PhhEXPB-05

TTGTTGTGCGCCGTCGACCCCTCTCCTCCAAAGTGCCCTCCCTCCCTATAAATAGC
CCTACTCGTGCCCACTGTTTCAGCTCATCCAAGAACAATCGAGCTAGCTGAGCATA
TCCTATCCAGTTAGCTAGCTCACGCATAGCCTCTGAACTCCGAGTGGTAAGCTTG
GAAGGACAAGAAGCAGCAGCAGCAATGGCGAAGCTTTGCTCAGTGCTGGTGGCC
GCAGTGGTTCGTGCTCTCGCTTCTGACGAGCCCCATTGATTGCACCCGCAAGCTCA
GCAAGCCCAGGCCAAAGCCCAAGCCCAAGCCGGTCAGCCACAGGCCGGCACCCGG
CAGCCAAGGTCAGCCACAAGCCGGCGGGCGCCTGCCGTC AAGGTCAGCCGCAAGC
CGGCGCCTGCGGCCAAGGCCACCGCAACTACACCGCCACCCCTTCCTCGCCGTC
CACCGTGTATGGCTCCGGCGGGCTGGCTGTCCGGCGCCGGGGCCACGTA CTACGGC
GCCCCAACGGCGACGGCGGGCGAAGGTTAGTAGTGTGTCCATGCCTGTCACGTTG
ACTTGACGCCGTAGTGTGTACCGTACATTGCGGGTGGTTGTTGTGCCGGGGCGGTG
CACTGACCGGTGTCGCTGAAACTGTGAACGCAGGCGGGCGCGTGCGGGTACCAGA
CCGCCGTCGGGAAGCAGCCGTTTCGACTCGATGATCGCCGCCGGGAGCACGCCGCT
GTACAGGGGGCGGCGAGGGCTGCGGGCGCCTGCTATGAGGTCAGCAACTCGTATGC
TCGTGTAAATGGTGGTCTGGCACACGGCCTGCCACTGAACTGTGGTAGCTCAATT
ATTGCAAAGCTGTCGGCTGGTTCGTCCATGTCCTAACTCAAAA ACTACGGTAAAAA
TGTGCAGGTCAAATGCACGACCAACGCGGCCTGCTCCGGCCACCCGGTGACCATC
GTGATCACCGACCAGTCCCCCGGCGGGCTGTTCCCCGGCGAGGTCGCCCACTTCG
ACATGAGCGGCACGGCGCTGGGCGCCATGGCGAAGCCCGGCATGGCCGACAAGC
TCCGCGCCGGCGGGCGTCTTGAGGATCCAGTACAGGGCGGGTGCAGTGCAAGTACC
CCGGCGTGAACGTCGCCTTCAAGGTGGACCAGGGCGCCAACCCGTTCTACTTCGA
CGTGCTGGTTCGAGTTCGAGGACGACGACGGCGACCTCAGCGCCGTGGAGCTCAT
GGAGGCCGGCAGCCGGGCCTGGACGCCCATGGCGCACAACTGGGGCGCCACGTG
GCGGCTCAACAACGGCAGGAGGCTCAACGCGCCCTTCGGGCTCCGGCTCACCTCC
GGCTCCGGAAGGGTGCTCGTCGTCAACAACGCCATCCCCGCCGGGTGGAAGCCC
GGGACGACCTACCGGTCGCTGGTCAACTACCCCTGAATCGTTCCTTGCAATTGCCAC
CAATGGAGGAGCAGTGCGTGGTGAGAAATGTGCGTCCAGGTTTCGCGAGAGGGCG
GTGTCAAAGGAGGAGGAGGTTGAAGAAGGGAATGGTGTTCCTCCCTCCCTCCACG
GTCTCTGCATTCCCCTAGTGATGTGTGAACCGTGCTGTAGTTTCATTTCTTCCTTG
GTCCCTATTGTGCTGTGGTGGAAAGAGAGTTAGAATCTTGAGCTGCGACAAATGT
TGCATGCCAAGTCATCTAGTTGTGTGTTTTTGAATTTTGTACTTAGTGCGTACGTC
GAAAATCCTTTCAA AATTCAGAGAAATGAATTACTGCCTTGGTAATTTTCAATC