

IDENTIFICATION

Species: *Panicum hallii*

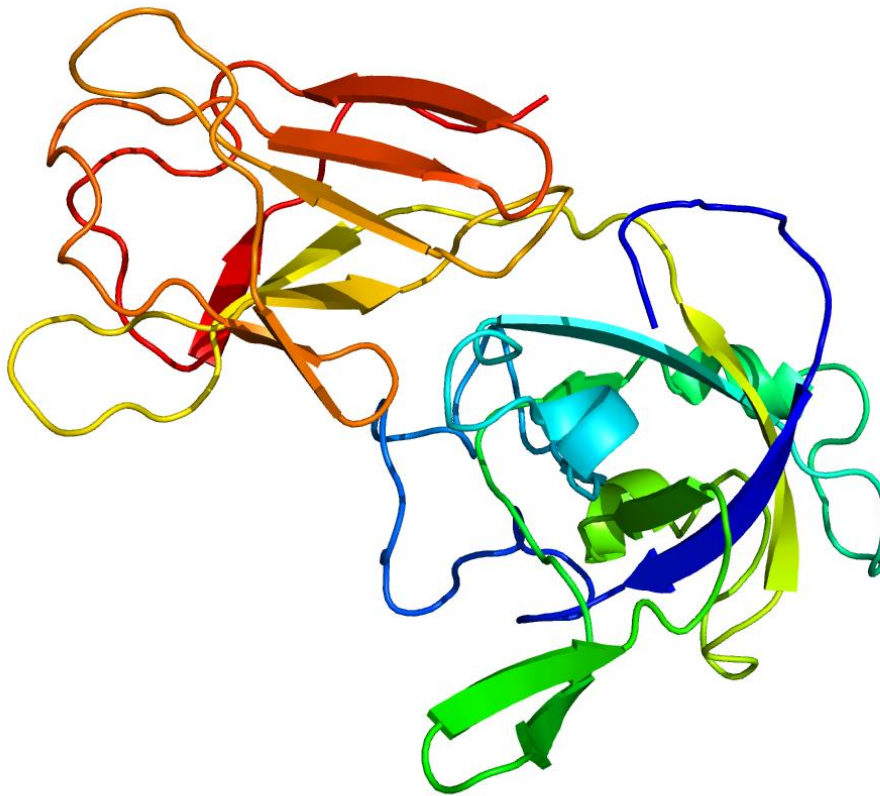
Locus: Pahal.5G434200

Gene Model: Pahal.5G434200.1.p

Description: PhEXPA-17

Family: Alpha Expansin

3D structure:



GENOME DATABASES

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

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

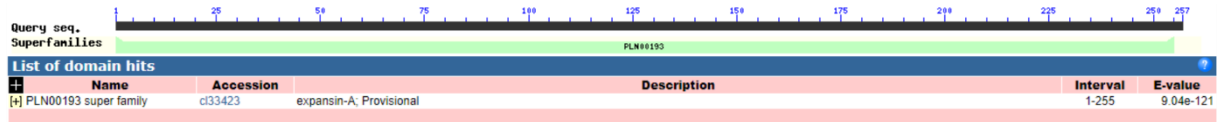
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhEXPA-17

MAKMLALLMMTPCAFFFFFLGGPSVAAAQWTPAFATFYGGSDASGTMGGACGYGN
LYNAGYGTTRTTALSTALFNNGAMCGACFTIACDARRSRYCKPGASITVTATNLCPPN
WALAGDRGGWCNPPRRHFDMSQPAWESIAVYRAGIVPVNYRRVPCRRAGGVRFV
GGRSYFELVTVANVGGSGVVAQAWIRGARTDWMAMTRNWWGANWQSNAYLNGQS
LSFRLRSDDGRIVTANNVAPPGWWFGGTYTSSNAQFY*

CDS (coding sequence)

>PhEXPA-17

ATGGCGAAGATGCTCGCGCTCCTGATGATGACCCCGTGCGCCTTCTTCTTCTTCTT
CCTCGGAGGGCCGTCGGTGGCGGGCTCAATGGACACCCGCCTTCGCCACCTTC
TACGGCGGCAGCGACGCCTCCGGCACCATGGGCGGCGCGTGCGGGTACGGCAAC
CTGTACAACGCGGGGTACGGGACGCGGACGACGGCGCTGAGCACGGCGCTCTTC
AACAACGGCGCCATGTGCGGGCGCCTGCTTACCATCGCCTGCGACGCCCGGGCGGT
CGCGTACTGCAAGCCGGGCGCCTCCATCACCGTCACCGCCACCAACCTCTGCC
GCCAACTGGGCGCTGGCCGGCGACCGCGGAGGCTGGTGCAACCCGCCGCGCCG
GCACTTCGACATGTTCGACCCGGCGTGGGAGTCCATCGCCGTCTACCGCGCCGGG
ATCGTTCGGGTGAACCTACCGCCGCGTGCCGTGCCGGCGCGCCGGCGGGCGTCCGGT
TCACCGTCGGCGGGCGAAGCTACTTCGAGCTGGTGACGGTGGCGAACGTGGGCG
GCAGCGGCGTGGTGGCGCAGGCCTGGATCAGGGGCGCCCGGACGGACTGGATGG
CCATGACCCGGAACCTGGGGCGCCAACCTGGCAGAGCAACGCCTACCTCAACGGGC
AGAGCCTCTCGTTCGCGCTCCGGTCCGACGACGGCCGCATCGTCACGGCCAACAA
CGTCGCCCCCCCCGGGGTGGTGGTTCGGCGGCACCTACACGTCCAATGCCAGTTC
TACTGA

Nucleotide

>PhEXPA-17

GCTTATAAGTAGTAGTAGCAGAGAAGACCTGTGCAGTCGCAACGGATTGCAATTT
GCAAGTGATCAGTGATCTTGCCAGGCAGGCAGTGTCTTCTTCTTCTTCTTCTTCTT
AAGGCGATCCTGCTCTTGCTGCTGAGCCTGTGCGCCGCCCGGCTCGACGGCGCCG
TGGCGCAGCAGTACTGGACGCCGGCCACCGCGACGTTCTACGGCGGGAGCGACG
CGTCCGGCACCATGGGTAACGTTCTACTGCGACCATTTTCGTTTTGAATTGAAGA

AACTCTGACCCACGCGTTCGTGGCATTGACGTGCGCGTCCTCGTTGCGCAGGCGG
GTCGTGCGGGTACGGCAACCTGTACAGCGCCGGGTACGGGACGCAGACGACGGC
GCTGAGCACGGCGCTCTACGGCGACGGCGCCTCCTGCGGGCGCGTGCTTCCTGGTC
ACCTGCGACGCGTCGCGGACGCAGTACTGCAAGCCGGGTTTCGCCGTCGGTGACCC
TGACGGCGACCAACTTCTGCCCGCCAACTACGGCGACCCAGCGGGTGGTGCAA
CTCGCCGCGGCAGCACTTCGACATGTCGCAGCCGGCGTGGGAGACCATCGGCGTG
TACCAGGCCGGCGTGGTCCCCGTGAACTACCGGCGGGTTCCTGTGCCAGCGGTCCG
GCGGGGTCAGGTTTCGGCATCAGCGGTCACGACTACTTCGAGCTCGTGCTGGTCAC
CAACGTCGGCGGGCGCCGGCGCGGTGGCCGCGGCGTGGATCAAGGGCTCCTCCAC
GGACTGGCTGCCGATGAGCCGCAACTGGGGGGCGAACTGGCAGAGCAGCGCCTA
CGTCACCGGGCAGAGCCTGTCGTTCAAGGTGCAGACGGACGACGGCAGGTCCGT
CGTGGCGTACGACGTGGCGCCGGCGAACTGGCAGTTCGGCTGCACCTACCAGGCC
TCGGCCAACTTCTACTAGAGAGTGATGAGATGAATAGTGGCCGCACATGCTATTT
GTGAATTAGTTGGACCGGATCCAAGATTGCAAAGGAGGCTTGAAAGCCTCGACTC
AATGGGCCGTGTTAAGAAAATCAGCCCATGAGTTGGGGTTTGGAGAGAATCCTTA
AAAATAGTGCATATATGATCTTTGCAAAAAGATAAATTAGAAACCGCATCCTCTTA
ATAAGCGCACTTTGA