

IDENTIFICATION

Species: *Panicum hallii*

Locus: Pahal.9G389200

Gene Model: Pahal.9G389200.1.p

Description: PhEXPB-27

Family: Beta Expansin

3D structure:



GENOME DATABASES

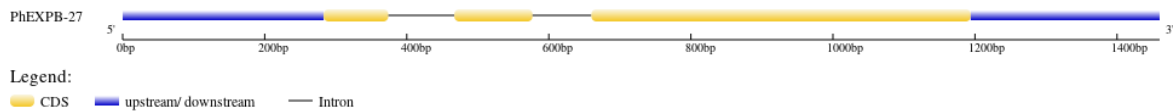
Phytozome: https://phytozome-next.jgi.doe.gov/info/Phallii_v3_1

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

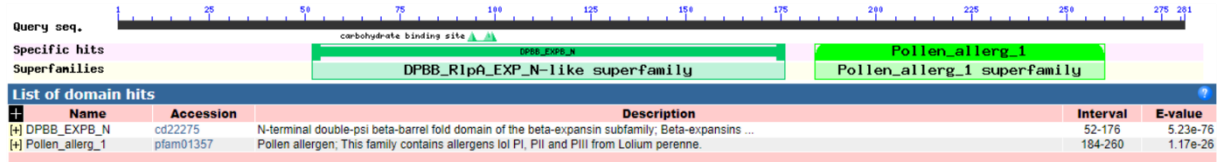
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PhEXPB-27

MAAVMISFKAIALVAALLLPVLGAHAEPSYNNVTSARRELYYSAGSTPSSTWRPARA
TWYGRPNGAGPDNNGGGCGYSNTNQYPFNSMTSCGNQPLFLDGKGCAGYQIRCTS
KNNPACSGEPKTVIITDVNYDTKVAPYHFDLSGTAFGAMARPGYNDKLRSAGILDIQF
RRVPCSYRGLPVRFHVMGGCNPFYFAVIVYYAGSDGAVVQVELKEANSNTWRPLYE
SWGAVWRIDPGHPLKAPLSLRVRSDSGKVLVANNVIPVNWVRGNADYRTIAQFR*

CDS (coding sequence)

>PhEXPB-27

ATGGCCGCTGTGATGATCTCCTTCAAGGCTATTGCACTGGTGGCAGCACTCCTCCT
CCCCGTTCTGGGCGCTCACGCCGAGCCGAGCTACAATAACGTCACCTCCGCCCCG
AGGGAGCTGTACTACTCCGCCGGCTCCACCCCCAGCAGCACCTGGCGGCCTGCCA
GGGCCACCTGGTACGGTCGCCCCAACGGCGCCGGCCCTGACAACAACGGTGGCG
GGTGTGGGTACAGCAACACCAACCAGTACCCGTTCAACTCCATGACGTCGTGCGG
CAACCAGCCCCTGTTCTTGGACGGCAAGGGCTGCGGCATGCTACCAGATAAGG
TGCACCAGCAAGAACAACCCTGCCTGCTCCGGCGAGCCCAAGACGGTGATCATC
ACCGACGTGAACACTACGACACCAAGGTCGCCCCCTACCACTTCGACCTCAGCGGCA
CGGCGTTCGGAGCCATGGCCAGGCCCGGCTACAACGACAAGCTCCGCAGCGCCG
GCATCCTGGACATCCAGTTCCGGCGGGTGCCCTGCAGCTACAGGGGCCTGCCGGT
GAGGTTCCACGTGATGGGCGGCTGCAACCCCTTCTACTTCGCGGTCATCGTGTAC
TACGCCGGCAGCGACGGCGCCGTGGTGCAGGTGGAGCTGAAGGAGGCCAACTCC
AACACGTGGCGGCCGCTCTACGAGTCCTGGGGCGCCGTCTGGAGGATCGACCCCC
GCCACCCGCTCAAGGCGCCCCTCTCGCTGCGCGTCCGCAGCGACTCCGGCAAGGT
CCTCGTCGCTAACAACGTCATCCCGGTCAACTGGAGGGGCAACGCCGACTACCGC
ACCATTGCCAGTTCGCTGA

Nucleotide

>PhEXPB-27

CCACACGGCACGTCCCCGTCTTGCTCGACGAGGCCGCCGGCGACTGACGATCTTG
ATGCTGATTCGCCAGCCCCGGCTTTCGCCCCCTCCGCCTATAAATGCACCGGC

GATGTCGTCCATCTCCGATCCATCAACCGAACGCAGGCACAACATACGAGCACTG
CTAATCCCTGAGCTGGTAATACGATCGAGCTGAGATGATGCCAGCCGCCGTGATC
GTCTCCTCATCCAAGGTGGCTGCTGCGGCACTCGCCGTCGCGCTGTTCCGCCGTGCT
TGCCTCGTACGCCGAGGCCGCGAAGCCCGGCCGGCGGCTGGCTCCCCGCCAAGGC
CACCTGGTACGGCGCGCCCAACGGTGCCGGCCCCGACGACAACGGTATGCACGA
GCAAAGCGTGCCCGGCCGCGCACCTGTCGTTTTTCCGCCGTCCCAATGTCAATGT
GCGAGTGTCTGACGTGTCCTGTCTGCAGGCGGCGCGTGCGGGTTCAAGCACACCA
ACCAGTACCCCTACATGTCCATGACGTCGTGCGGGAACGAGCCCCTGTTCAAGGA
CGGCAAGGGCTGCGGCGCGTGCTACCAGGTACTACTGTGTGTAGATAGGTCAAA
GCACCGGGTGCGGCAGGCACGTCTTCTCACGCCCTGATGTCCGATTTTGAACCCC
AGATACGGTGCCCTGAACAGCACCCACGACGCGTGCTCCGGCCGGGCGAAGCGCG
TGATCATAACGGACATGAACTACTACCCGGTGTCCAAGTACCACTTCGACCTCAG
CGGCACAGCGTTCGGCGCCATGGCCAAGACGGGGCTCAACGACAAGCTCCGGCA
CGCCGGCATCCTGGACATCCAGTTCCGGCGGGTGCCCTGCAACTACAAGGGCCTG
ACCGTCAACTTCCGCGTCCAGGTGGGGTCCAACCCCAACTACTTCGCCGTGCTGG
TGCAGTACGCCGGCAAGGACGGCGCCGTGGTGCAGGTCGACCTCATGGAGACCG
ACGGCGCCACGGGGCGGCCGACGGGGGCGTGACGCCGATGCGCGTGTCGTGGG
GCGCCGTGTGGCGGCTGGACACCAGCCGCCCGCTGCGGGCGCCCTTCTCGCTGCG
CATCCGCAGCGACTCCGGCAAGACGCTGGTGGCCGACAACGTCATCCCGGCGGA
CTGGAAGCCCATGACCGACTACCCATCCTCCGTCCAGTTCCCCTGAAACCGCAGC
CGCATGGTGC AAGCGAATTAATCGTCCCTGATTGAAGCATTGTTGTTTCGTCAGAT
ACCCCGATCCATTGTTT AGTGTTCATCGTATAGTACGTACGTGTCTTGGGAGAT
TTGGAGGAGGCAACGTGATCTCCCCGCCACGATCGCAACTTTGAAATATACCAT
GCTGTGTGTGTGTAATGTAATAGACATACCATATACTACTGTACGTGTCAAGTTG
GGAGTTCAAGAAAAATATTGTCAAGTTGGCAAACGC