

IDENTIFICATION

Species: *Physcomitrium patens*

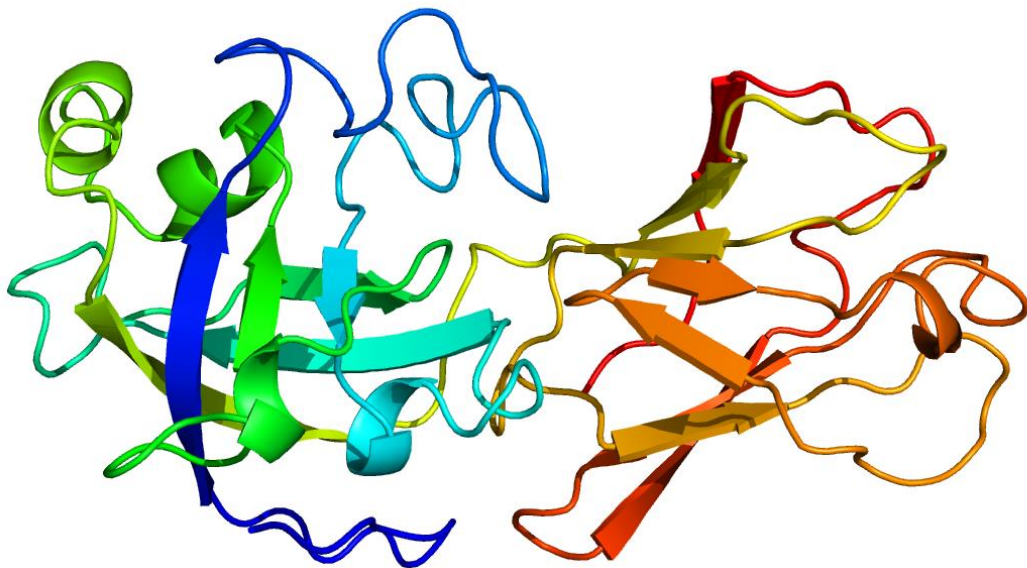
Locus: Pp3c17_12970V3

Gene Model: Pp3c17_12970V3.1.p

Description: PpEXPB-03

Family: Beta Expansin

3D structure:



GENOME DATABASES

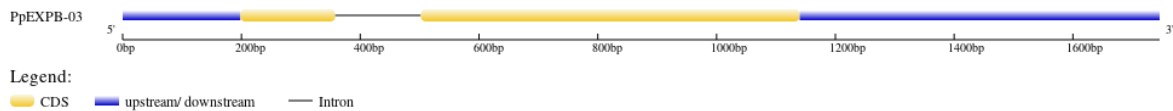
Phytozome: https://phytozome-next.jgi.doe.gov/info/Ppatens_v3_3

KEGG: <https://www.genome.jp/entry/gn:T01041>

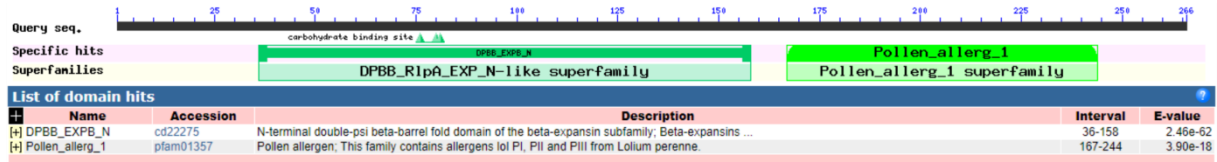
EXTERNAL RESOURCES

-

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PpEXPB-03

MAAIQVVLLLVGLVGLPAAMGLASSSMAANGYNENWVPGHATWYGDYPYEGEGSSG
GACGYLQLTGTPIGNKIAAGNEAIFQKKGKCGCYEVKCNYPVCRPEGTRIVITDLCR
GGQFCSGGNPAFDLSGAAISAMAKDQGQDGLRNIGLYDIQYKRVPCEYPGQNVFKV
DAGSSPFWLSFTVKYMGPGDIESVSISQRDGSFIPAQHSWGANWMLINYSGAPFQG
PYSVKINCMLNGHTVVAKDVIPAGFAPGQEQYESNVQIGF*

CDS (coding sequence)

>PpEXPB-03

ATGGCAGCTATCCAAGTTGTGTTGCTACTGGTGGGTCTGGTGGGATTGCCGGCAG
CCATGGGATTGGCAAGCTCCAGCATGGCTGCAAATGGATACAACGAGA ACTGGG
TCCCTGGACACGCTACATGGTACGGCGATCCCTATGGCGAAGGATCCAGCGGAG
GAGCATGTGGCTACCTCCAGCTCACTGGAACGCCATTGGCAACAAGATTGCTGC
CGGAAACGAAGCCATCTTCCAAAAAGGCAAGGGTTGCGGCCAATGCTACGAGGT
GAAGTGCAATTATCCAGTGTGCAGACCTGAGGGGACGAGGATTGTCATCACAGA
CTTGTGCCAGGAGGCCAGTTCTGCAGTGGTGGCAACCCCGCCTTTGACCTGAGC
GGCGCAGCCATCAGCGCCATGGCGAAGGATGGTCAAGACGGAGCCTTACGGAAC
ATTGGCTTATACGACATTCAGTACAAGAGGGTGCCGTGCGAGTACCCGGGCCAGA
ACATTGTCTTCAAAGTAGACGCTGGCTCTAGCCCTTTCTGGCTCTCATTACCGTG
AAGTACATGGGAGGCCAGGTGACATTGAAAGCGTTTCAATCAGTCAGCGTGAT
GGCTCTTTCATCCCGGCTCAACACAGCTGGGGAGCCAATTGGATGCTCATCAACT
ACTCCGGAGCACCATTCCAGGGTCCCTACTCCGTGAAAATCAACTGCATGCTGAA
CGGCCACACCGTTGTTGCCAAGGACGTTATTCCAGCTGGTTTTGCACCCGGTCAG
GAATACGAGAGCAATGTGCAGATTGGGTTCTAG

Nucleotide

>PpEXPB-03

AAATCCACTCCGAACGACAGGATTTTCAAGTTTAATCGGGGCTTCCTCACTAGAG
CAATCTCTTTGTAATCCAATCGCTCGAGCTTCCTCATTGTGGCTCCATCGTTCATG
CAGTTTCTAAACTAGCCAGTCTTTTCCATCCTGGCAGCAGTCAGGAGCTGCTCGAT

CAGCGTTCGATCAGACACTGTAAAGTCCACAATGGCAGCTATCCAAGTTGTGTTG
CTACTGGTGGGTCTGGTGGGATTGCCGGCAGCCATGGGATTGGCAAGCTCCAGCA
TGGCTGCAAATGGATAACAACGAGAACTGGGTCCCTGGACACGCTACATGGTACG
GCGATCCCTATGGCGAAGGATCCAGCGGTAAGTGCATCTAGTTCATTCTCAACTC
TTCCACAAAACACTGTGGATTAACAAGCCACGTTGCTAAGATTACCATGTTGCTG
ACAATGTGAGATTCATCATGGCCAGTCTAGACTCATGTGGGTGTTGTAACCCTTT
GTGCAGGAGGAGCATGTGGCTACCTCCAGCTCACTGGAACGCCATTGGCAACA
AGATTGCTGCCGAAACGAAGCCATCTTCCAAAAGGCAAGGGTTGCGGCCAAT
GCTACGAGGTGAAGTGCAATTATCCAGTGTGCAGACCTGAGGGGACGAGGATTG
TCATCACAGACTTGTGCCAGGAGGCCAGTTCTGCAGTGGTGGCAACCCCGCCTT
TGACCTGAGCGGCGCAGCCATCAGCGCCATGGCGAAGGATGGTCAAGACGGAGC
CTTACGGAACATTGGCTTATACGACATTCAGTACAAGAGGGTGCCGTGCGAGTAC
CCGGGCCAGAACATTGTCTTCAAAGTAGACGCTGGCTCTAGCCCTTTCTGGCTCTC
ATCACCGTGAAGTACATGGGAGGCCAGGTGACATTGAAAGCGTTTCAATCAGT
CAGCGTGATGGCTCTTTCATCCCGGCTCAACACAGCTGGGGAGCCAATTGGATGC
TCATCAACTACTCCGGAGCACCATTCCAGGGTCCCTACTCCGTGAAAATCAACTG
CATGCTGAACGGCCACACCGTTGTTGCCAAGGACGTTATTCCAGCTGGTTTTGCA
CCCGGTCAGGAATACGAGAGCAATGTGCAGATTGGGTTCTAGGATTGCCAGAGA
CACCATCTCCGATGGCACTGACAGCTCCGCAAGACCTGAACACTGGCGGAGGTTT
GATGACATCCCCGAACTTACAGTGCCGGATCAGAAACCCGGAGGAGGAGGAGGA
GGGGGATTGTAACAGTTTGGCTTTTTTCCATTCAAGCAGTTTTTTGTGACTGAATGTT
CGTAGCTAGTGCTGGAGTAGGTATGTACTGAGAACCGGTTGGACTGGTAAGATCC
AGGGTGCCAGTGATAGAAGTCTCTTCGCATACCAGGTTCCAGAGTCTCCAACAACA
ACGTCGATAGCGCGATTTTGTATGTGCGAGAGGCTCCACTCCGTAGAGCATGCGT
AACAGAGCTATATCCGGCTCCTGGTGGGTGTACAAGAAGAAGCTTCCACAAATTT
CTGATGTAATACGTCTGCCTGTGCACGGTGGAACGTATCATGACCAAAGGTTGTC
CATGTAATGTTATCGCTGGTTGAAGGTGTAGATCTTAGCACTGTCTCAGGTTTCA
AGTTTTCAATAAAATTACTGTGCTCTAAAACGTCTTTTCTGGTTATCGGCAGTACTT
TGATATGTGGGTAGTTTGCACATACTGAATTGTTTTCTTC