

IDENTIFICATION

Species: *Physcomitrium patens*

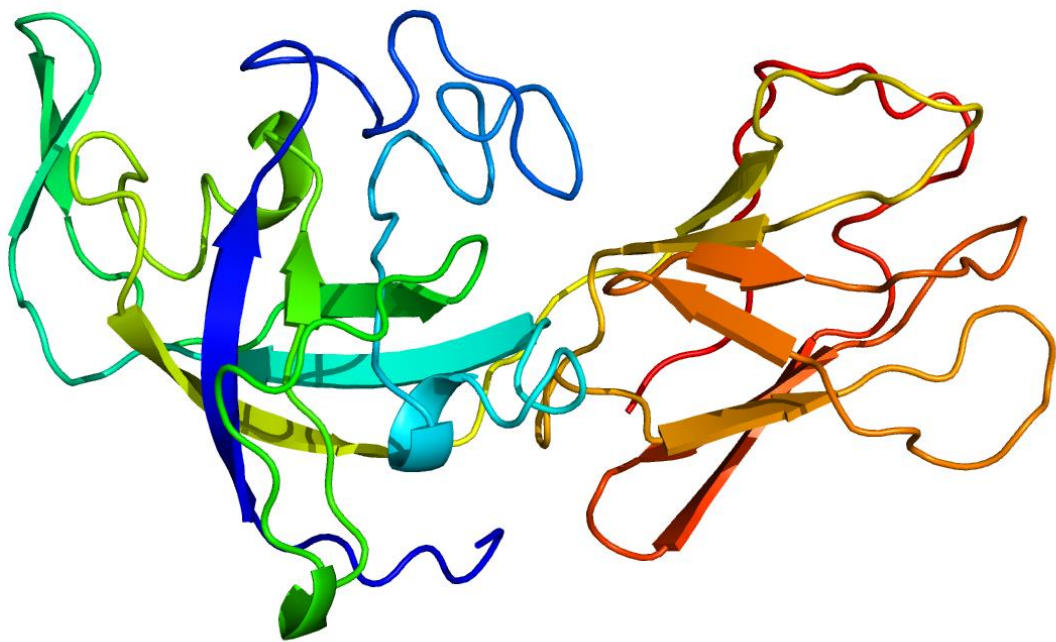
Locus: Pp3c14_18440V3

Gene Model: Pp3c14_18440V3.1.p

Description: PpEXPA-24

Family: Alpha Expansin

3D structure:



GENOME DATABASES

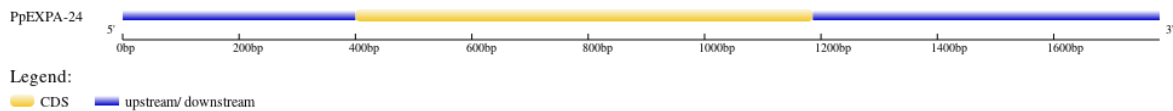
Phytozome: https://phytozome-next.jgi.doe.gov/info/Ppatens_v3_3

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

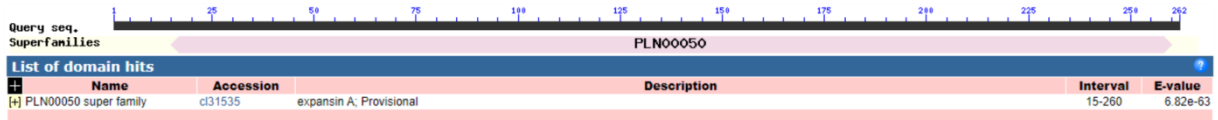
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PpEXPA-24

MRTSGAVSSMKA AACVGMALMSVLPCVVGAPYGWSEAHITYYGTASGGGTQ
GGACGYPNTFAMGYGAMTAALSYP LFQGGKACGGCYQLRCKWVTPTRTVHNWCW
SYSRTITVTATNSCPPGSHGGWCNWRPHFDLPMPAFLTLARREGGVAPVYYRKVRC
AKRGGIRFTIGGNPYFLMILIHNVGGAGDLKAVKVRGGNGYWVPMWRNW GALWTC
KTRMSGALS FQITTDGRTLTTYKAVGGYWRFGQTWEGSQFR*

CDS (coding sequence)

>PpEXPA-24

ATGAGGACTTCGGGCGCAGTATCCAGCATGAAGGCCGCAGCTTGC GTTGGCATGG
CCGCCTTGATGGCGCTGAGCGTCTGCCTTGC GTTGGTGGGAGCGCCGTACGGGTG
GAGTGAGGCGCATATCACGTA CTACGGAACAGCTAGTGGCGGTGGCACGCAGGG
AGGCGCCTGCGGGTATCCGAACACCTTTGCGATGGGATACGGGGCGATGACCGC
AGCGTTGAGTTATCCTCTGTTCCAGGGCGGAAAGGCATGCGGCGGGTGCTATCAG
TTGCGGTGCAAGTGGGTGACGCCAACCCGAACCGTGCACAACTGGTGCTGGAGCT
ACTCTCGCACCATCACCGTGACCGCAACAACTCGTGCCCTCCAGGGTCGCACGG
AGGTTGGTGCAACTGGAGACCTCACTTCGACTTGCCAATGCCTGCTTTCTGACG
CTGGCACGGCGTGAGGGAGGAGTGGCTCCGGTGTATTACAGGAAGGTCGGGTGC
GCGAAGCGCGGCGGAATTCGGTTCACCATCGGAGGCAACCCGTACTTCTTGATGA
TCCTGATTCACAACGTGGGAGGGGCGGGCGATTTGAAGGCAGTGAAGGTCAGGG
GAGGAAACGGATATTGGGTGCCCATGTGGCGCAACTGGGGCGCGCTGTGGACAT
GCAAACGAGGATGAGCGGAGCACTGTCTTTCCAGATTACGACGGGCGACGGGC
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GGAAGGATCCCAGTTCAGGTAG

Nucleotide

>PpEXPA-24

CTGCAGGTGCAGCCTGACAGCCTTGGCACCGCGGGGGAAGGCAGTTTGTCTTTCC
CGGTGTGCGATCGCCAAGTACTTCCGCACCCGTACTTGTTGTAATTAGAGGACGA
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AAATGTGGTGGTGTGCATAAGTGCTGCGCCGAGGCCGTTGGTCTTCGCATTCTTA
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AGTACATGAAGCAGGCCTTGATGGTCTCTTCCGGATGAGCGCATCACAGCAACCG
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CAACTGGTGCTGGAGCTACTCTCGCACCATCACCGTGACCGCAACAAACTCGTGC
CCTCCAGGGTTCGCACGGAGGTTGGTGCAACTGGAGACCTCACTTCGACTTGCCAA
TGCCTGCTTTCTGACGCTGGCACGGCGTGAGGGAGGAGTGGCTCCGGTGTATTA
CAGGAAGGTCCGGTGCGCGAAGCGCGGCGGAATTCGGTTCACCATCGGAGGCAA
CCCGTACTTCTTGATGATCCTGATTCACAACGTGGGAGGGGCGGGCGATTTGAAG
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