

IDENTIFICATION

Species: *Physcomitrium patens*

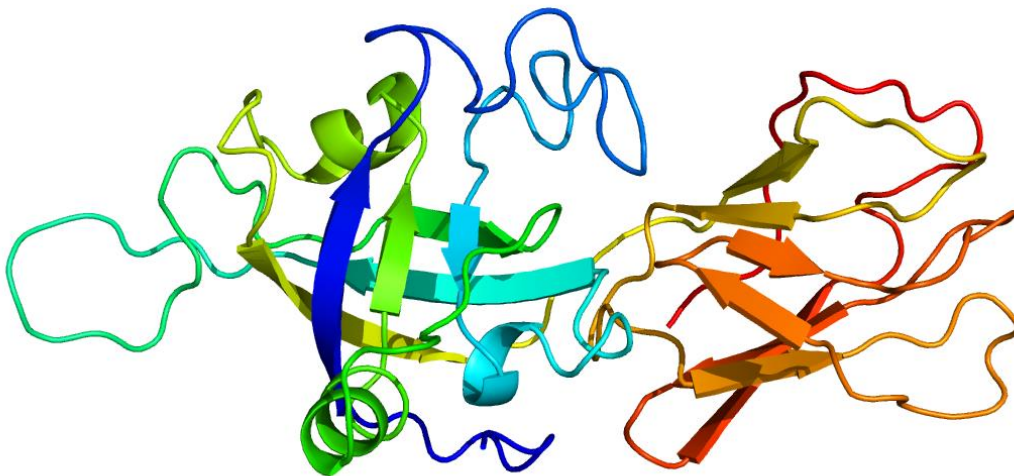
Locus: Pp3c11_12000V3

Gene Model: Pp3c11_12000V3.2.p

Description: PpEXPA-19

Family: Alpha Expansin

3D structure:



GENOME DATABASES

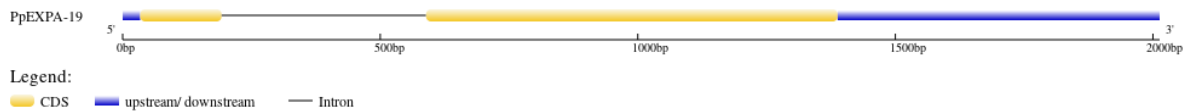
Phytozome: https://phytozome-next.jgi.doe.gov/info/Ppatens_v3_3

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

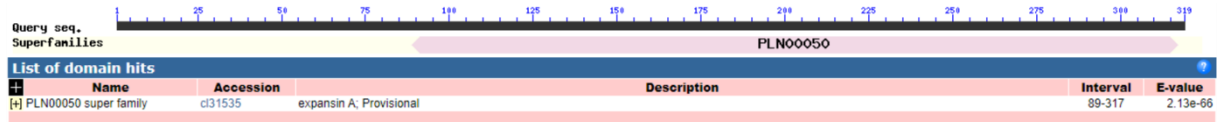
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PpEXPA-19

GGTSSSTHQCSSAILSTGGESLHRGPDSCHEGGILRGCVEYWPWPDQLQSLTWLFLDIMK
MDARSGMKLAVVLLVHLALCASPVFGAPPGGWINGRITYYGSPNGGGTQGGACGY
QNTVSLGYGFMTAALSTTLFKGGAACGACYQLQCAPVSETPSGLLKRNCWQVGR
SILVTATNLCPPGSSGGWCNPPQHFDLPMPAFLALARREGGVVPVYYRKYVNCARK
GGIRFTVGGNPWFLMILIHNVGGAGDVVAVKVKCPTSGWYDMYRNWGALWTVQK
KMNGPLSFAITTS DGRVT TYN AVGN GWKFGQTWEGAQYR*

CDS (coding sequence)

>PpEXPA-19

GGGGGACGTCTTCAACGCATCAATGCAGCAGCGCCATCTTGTCAACTGGGGGA
GAGAGTTTGCATCGGGGTCCGGATTCATGTCATGAGGGTGGTATCTTGAGGGGTT
GTGTTGAGTATTGGCCCTGGCCAGATCTTCAGTCGCTCACTTGGCTCTTCCTTGAC
ATCATGAAGATGGACGCTCGATCCGGTATGAAGCTCGCGGTGGTCTGCTCGTTC
ACCTGGCGCTCTGCGCGTCTCCTGTGTTCCGGTGCCCCGCCTGGAGGATGGATAAA
TGGGCGCATCACGTA CTATGGTTCGCCAAATGGCGGAGGGACGCAGGGCGGTGC
TTGCGGGTATCAGA AACTGTATCGTTGGGATATGGCTTTATGACAGCAGCACTG
AGTACCACTCTGTTTAAAGGTGGAGCGGCCTGTGGTGCGTGCTACCAGCTGCAGT
GTGCCCCAGTCAGCGAAACCCCGAGTGGGTACTCAAGAGGAACTGGTGCTGGC
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Nucleotide

>PpEXPA-19

GGGCTGCAGCGTTGGGTTTGGATATAAGCCAGTTGGGGGGACGTCTTCAACGCAT
CAATGCAGCAGCGCCATCTTGTCAACTGGGGGAGAGAGTTTGCATCGGGGTCCGG
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AACCTCCGCAGCACCATTTTCGACTTGCCAATGCCTGCCTTCTTGGCCCTCGCTAG
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AGACTCTGCTTCTTCCACCTGTTTTGT