IDENTIFICATION

Species: *Physcomitrium patens*

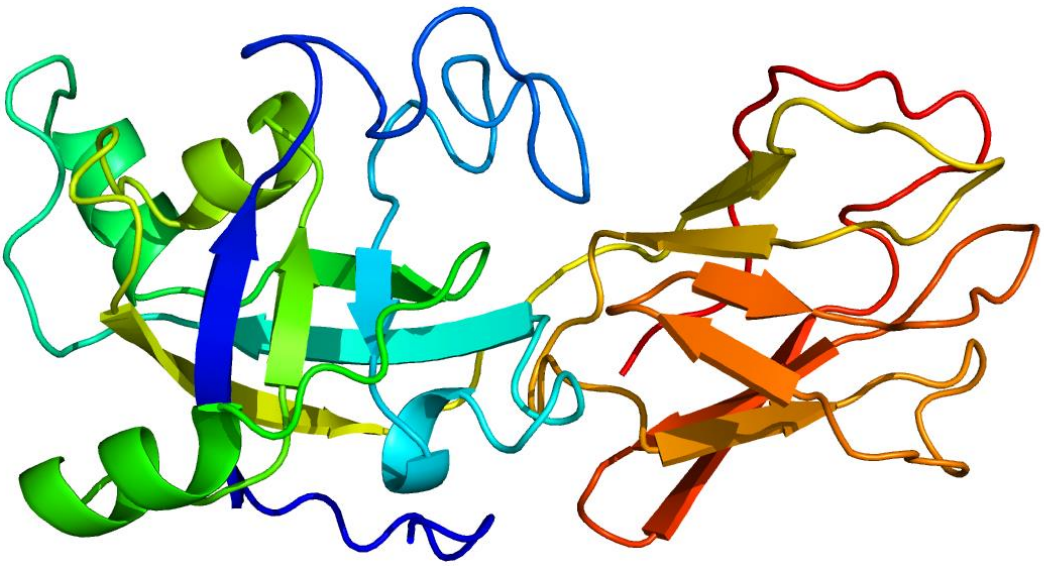
Locus: Pp3c11_12000V3

Gene Model: Pp3c11_12000V3.1.p

Description: PpEXPA-18

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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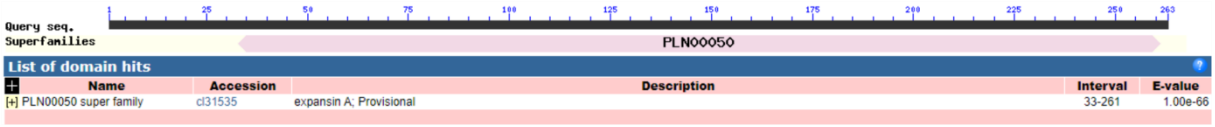
GENE STRUCTURE

DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PpEXPA-18

MKMDARSGMKLAVVLLVHLALCASPVFGAPPGGWINGRITYYGSPNGGGTQGGAC
GYQNTVSLGYGFMTAALSTTLFKGGAACGACYQLQCAPVSETPSGLLKRNWCWQV
GRSILVTATNLCPPGSSGGWCNPPQHHFDLPMPAFLALARREGGVVPVYYRKVNCA
RKGGIRFTVGGNPWFLMILIHNVGGAGDVVAVKVKCPTSGWYDMYRNWGALWTV
QKKMNGPLSFAITTSDGRTVTTYNAVGNGWKFGQTWEGAQYR*

CDS (coding sequence)

>PpEXPA-18

ATGAAGATGGACGCTCGATCCGGTATGAAGCTCGCGGTGGTTCTGCTCGTTCACC
TGGCGCTCTGCGCGTCTCCTGTGTTCGGTGCCCCGCCTGGAGGATGGATAAATGG
GCGCATCACGTACTATGGTTCGCCAAATGGCGGAGGGACGCAGGGCGGTGCTTG
CGGGTATCAGAACACTGTATCGTTGGGATATGGCTTTATGACAGCAGCACTGAGT
ACCACTCTGTTTAAAGGTGGAGCGGCCTGTGGTGCGTGCTACCAGCTGCAGTGTG
CCCCAGTCAGCGAAACCCCGAGTGGGTTACTCAAGAGGAACTGGTGCTGGCAGG
TGGGTAGAAGCATTCTCGTCACCGCTACCAACCTCTGTCCTCCAGGCTCTTCAGG
AGGATGGTGTAACCCTCCGCAGCACCATTTCGACTTGCCAATGCCTGCCTTCTTGG
CCCTCGCTAGGCGTGAAGGGGGTGTTGTTCCAGTCTACTACCGGAAGGTGAATTG
TGCGAGGAAGGGTGGAATTCGATTCACTGTGGGAGGCAATCCTTGGTTCTTGATG
ATCCTTATTCACAACGTTGGCGGGGCAGGTGATGTGGTAGCTGTCAAGGTTAAGT
GCCCCACCTCCGGATGGTATGACATGTACCGGAACTGGGGTGCATTATGGACTGT
GCAGAAGAAGATGAATGGGCCACTTTCCTTCGCGATCACAACGAGCGACGGGCG
CACGGTGACCACCTACAATGCGGTGGGCAACGGTTGGAAGTTCGGGCAGACCTG
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Nucleotide

>PpEXPA-18

GGGCTGCAGCGTTGGGTTTGGATATAAGCCAGTTGGGGGGACGTCTTCAACGCAT
CAATGCAGCAGCGCCATCTTGTCAACTGGGGGAGAGAGTTTGCATCGGGGTCCGG
ATTCATGTCATGAGGGTGGTATCTTGAGGGGTTGTGTTGAGTATTGGCCCTGGCC
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GTACTATGGTTCGCCAAATGGCGGAGGGACGCAGGGCGGTGCTTGCGGGTATCA
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TTTAAAGGTGGAGCGGCCTGTGGTGCGTGCTACCAGCTGCAGTGTGCCCCAGTCA
GCGAAACCCCGAGTGGGTTACTCAAGAGGAACTGGTGCTGGCAGGTGGGTAGAA
GCATTCTCGTCACCGCTACCAACCTCTGTCCTCCAGGCTCTTCAGGAGGATGGTGT
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GCGTGAAGGGGGTGTTGTTCCAGTCTACTACCGGAAGGTGAATTGTGCGAGGAA
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