IDENTIFICATION

Species: *Physcomitrium patens*

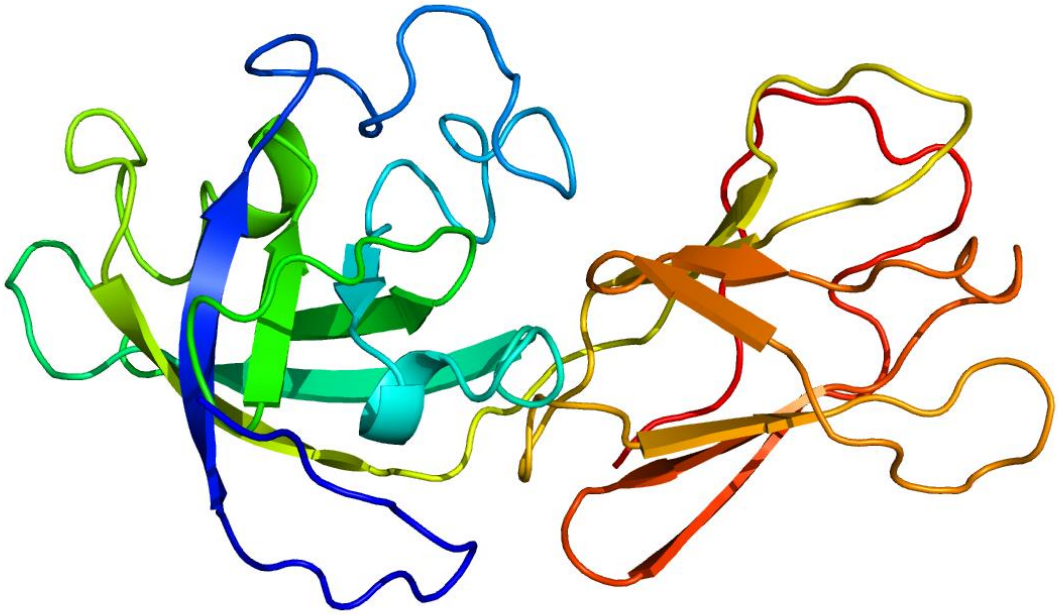
Locus: Pp3c8_15200V3

Gene Model: Pp3c8_15200V3.1.p

Description: PpEXPA-16

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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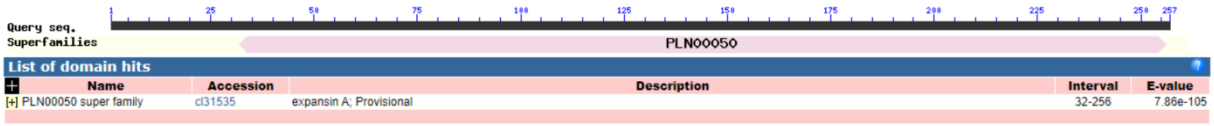
GENE STRUCTURE

DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PpEXPA-16

MAKINLLFLPAQFVFSMAFLVQDIAGSDSHCGWSNAHATFYGGHDAHGTLGGSCGY
GNVIARGYGTNTVALSSALYGSGLSCGSCFEIKCAGGEGCIPGSGAVTVTATNFCPPN
PHRLPNNGGWCNMPRQHFDMAQPAFLRIAQYRVGIVPVLYRRAACRRSGGMHFTM
NGHKFHNLVLISNVGGDGNIRAVKIRGSKTGWQPMWRNWGQNWQFSSNLFGQSLSF
MVTTGDGRTVTSMNVVPPFWKYGQTFQGLQF*

CDS (coding sequence)

>PpEXPA-16

ATGGCGAAGATCAACCTCCTGTTCCTACCCGCGCAATTCGTGTTTTCGATGGCCTT
TCTCGTGCAAGATATAGCTGGTTCGGACAGCCACTGCGGGTGGAGTAATGCTCAT
GCAACCTTCTATGGCGGCCATGACGCCCATGGAACCTTGGGTGGTTCTTGCGGCT
ATGGAAACGTCATCGCTCGCGGTTATGGAACCAACACCGTAGCGCTGAGCTCTGC
ACTTTACGGCAGCGGACTCTCATGCGGGTCGTGCTTCGAAATCAAGTGCGCAGGG
GGAGAAGGTTGCATTCCAGGCAGTGGTGCTGTAACTGTCACTGCTACCAATTTTT
GCCCACCAAACCCGCACAGACTTCCCAACAATGGAGGCTGGTGCAACATGCCCA
GACAACACTTCGATATGGCTCAGCCTGCATTTCTGCGCATTGCCCAGTACCGCGT
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GCACTTCACCATGAATGGGCACAAGTTCCACAACCTTGTCCTCATTTCAAACGTA
GGTGGCGATGGAAATATCCGAGCAGTGAAAATCAGAGGATCAAAGACTGGGTGG
CAGCCGATGTGGCGCAACTGGGGTCAGAACTGGCAATTCAGCAGTAACTTGTTCG
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GA

Nucleotide

>PpEXPA-16

CCGCCCCCGCCATCTCCACAGAAATTCACTCTCCCCTTCAGCCGCCTTCATGATCA
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AATTTCACACCCCTATGATTTTAATTTCGGAACATTTTTCTCCTTCGTCTGAGTTGT
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