

IDENTIFICATION

Species: *Physcomitrium patens*

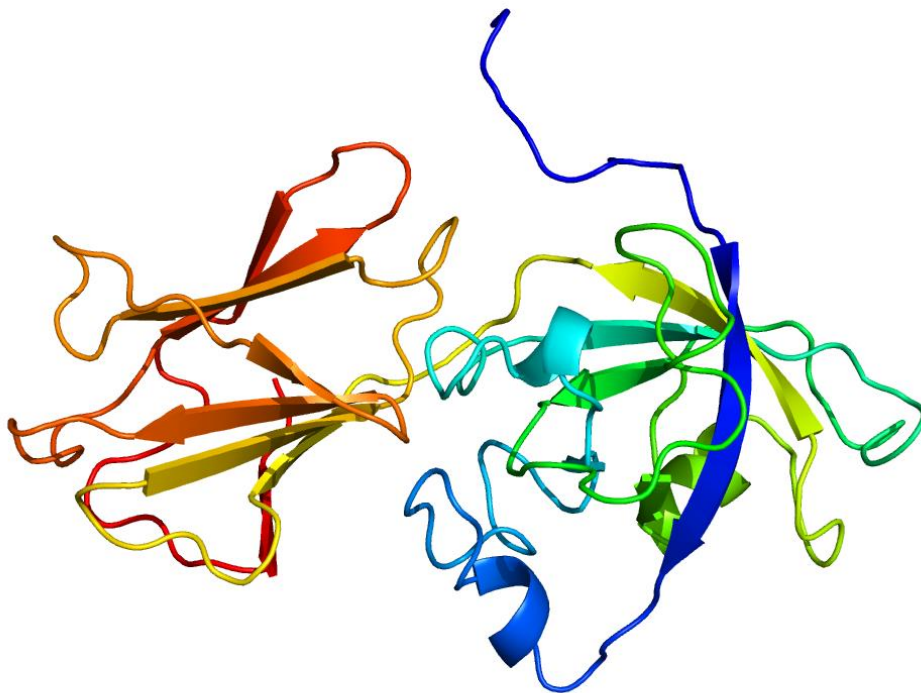
Locus: Pp3c8_1320V3

Gene Model: Pp3c8_1320V3.1.p

Description: PpEXPA-11

Family: Alpha Expansin

3D structure:



GENOME DATABASES

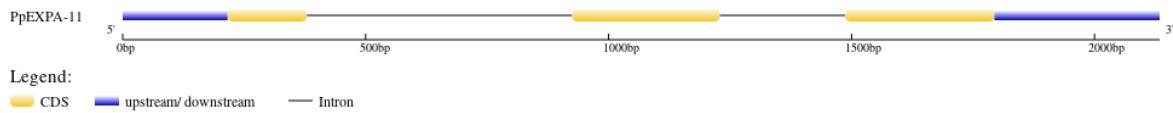
Phytozome: https://phytozome-next.jgi.doe.gov/info/Ppatens_v3_3

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

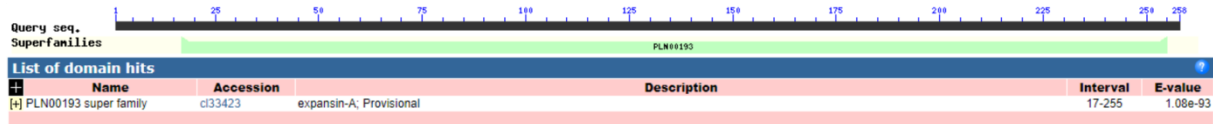
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PpEXPA-11

MAVQAGEGGVPLLLLLVMLQWCMWMPGVKAFYGPTDWTDAHATFYGGADASGT
QGGACGFGNLYSTGYGTNTAALSQALFNSGLTCGACFELVCDSSGSRYCVTSSSVVV
TATNFCPTGSTGGWCDYPRQHFDLSQPVFTRIAQPVGGVVTLKYRRVRCQKSGGIRF
TITGNPYFILVLVTNVGGAGDVQQLYIKGSSTGWNAMSRNWGQLWEIRNAALMGQ
ALSFRVVTSDRAEVASFDAVPANWAFSQTFEFSNF*

CDS (coding sequence)

>PpEXPA-11

ATGGCTGTCCAAGCTGGTGAGGGTGGTGTCCCGTTGCTACTGCTGCTAGTTATGCT
ACAATGGTGTATGTGGATGCCAGGCGTGAAGGCATTTTATGGGCCACGGACTGG
ACTGATGCCACGCGACTTTCTATGGCGGCGCAGATGCATCTGGAACCTCAAGGTG
GAGCTTGCGGATTTGGCAATCTTTACAGCACAGGCTACGGCACTAACACGGCAGC
ATTGAGCCAGGCGCTTTTCAACTCGGGCCTCACTTGCGGCGCCTGCTTCGAACTC
GTCTGCGACTCCAGTGGCTCCAGGTACTGTGTCACCAGCTCGTCTGTGGTTGTCAC
TGCCACCAACTTCTGCCCCACTGGCTCGACTGGAGGATGGTTCGATTACCCCAGG
CAGCACTTCGACCTCTCCAGCCCGTCTTACCAGAATCGCTCAACCAGTGGGCG
GCGTCGTCACCCTAAAATACAGGAGAGTGCGATGCCAGAAGAGTGGGGGTATCC
GCTTACCATCACCGGGAATCCCTACTTCAATTCTGGTTCTCGTTACGAACGTTGGC
GGCGCCGGGGATGTCCAGCAGCTCTACATAAAGGGTTCTTCCACGGGCTGGAATG
CCATGTCGCGCAACTGGGGACAGCTATGGGAGATCCGCAACGCTGCGCTCATGG
GACAGGCGCTGTCCTTCAGGGTTGTCAGTACGACCGTGCAGAAGTGGCCTCTTT
CGACGCAGTGCCGGCGAATTGGGCATTCTCGCAGACTTTCGAAGGCAGCAATTTT
TGA

Nucleotide

>PpEXPA-11

GGTGCAGCCACTACGCATCAATCTCTCTCTTGTCTGTGTGTGTGCACAATCAGC
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CATTGACGACGTATCTCCTCACGCAATTTGATGCACAGGTGGAGCTTGCGGATTT
GGCAATCTTTACAGCACAGGCTACGGCACTAACACGGCAGCATTGAGCCAGGCG
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