IDENTIFICATION

Species: *Physcomitrium patens*

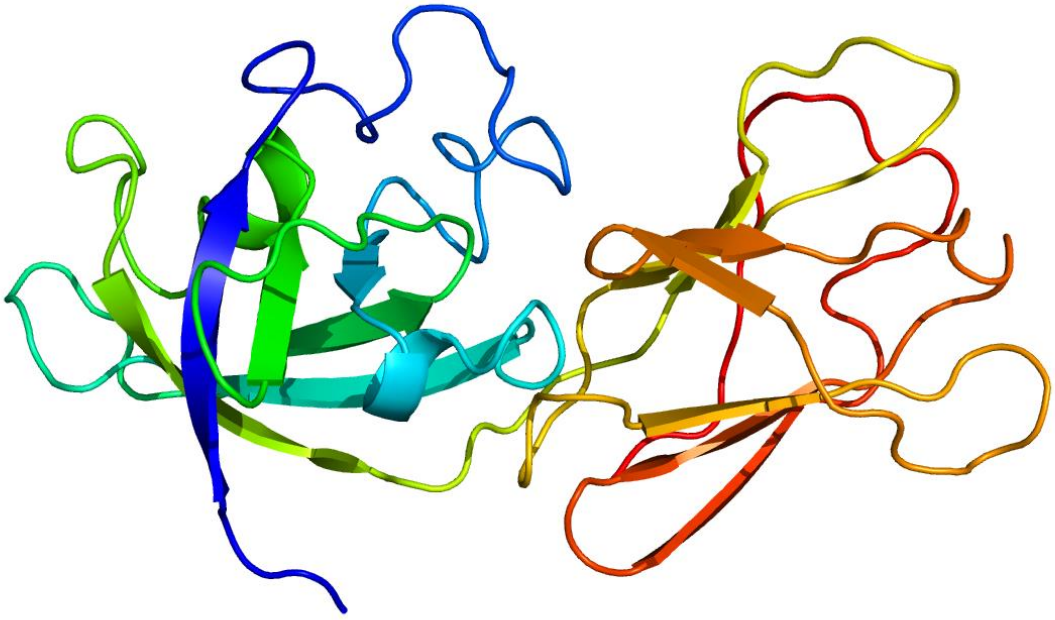
Locus: Pp3c8_15200V3

Gene Model: Pp3c8_15200V3.3.p

Description: PpEXPA-17

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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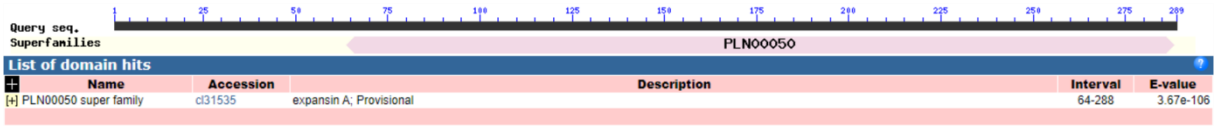
GENE STRUCTURE

DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PpEXPA-17

MCRTSPRVLLEVFKAACDCISNSYYIEHHSVSMAKINLLFLPAQFVFSMAFLVQDIAG
SDSHCGWSNAHATFYGGHDAHGTLGGSCGYGNVIARGYGTNTVALSSALYGSGLSC
GSCFEIKCAGGEGCIPGSGAVTVTATNFCPPNPHRLPNNGGWCNMPRQHFDMAQPAF
LRIAQYRVGIVPVLYRRAACRRSGGMHFTMNGHKFHNLVLISNVGGDGNIRAVKIRG
SKTGWQPMWRNWGQNWQFSSNLFGQSLSFMVTTGDGRTVTSMNVVPPFWKYGQT
FQGLQF*

CDS (coding sequence)

>PpEXPA-17

ATGTGCCGAACGTCTCCCCGTGTACTTCTGGAGGTTTTCAAGGCTGCGTGTGATTG
CATTAGCAACTCGTACTATATTGAACACCATAGTGTATCGATGGCGAAGATCAAC
CTCCTGTTCCTACCCGCGCAATTCGTGTTTTCGATGGCCTTTCTCGTGCAAGATAT
AGCTGGTTCGGACAGCCACTGCGGGTGGAGTAATGCTCATGCAACCTTCTATGGC
GGCCATGACGCCCATGGAACCTTGGGTGGTTCTTGCGGCTATGGAAACGTCATCG
CTCGCGGTTATGGAACCAACACCGTAGCGCTGAGCTCTGCACTTTACGGCAGCGG
ACTCTCATGCGGGTCGTGCTTCGAAATCAAGTGCGCAGGGGGAGAAGGTTGCATT
CCAGGCAGTGGTGCTGTAACTGTCACTGCTACCAATTTTTGCCCACCAAACCCGC
ACAGACTTCCCAACAATGGAGGCTGGTGCAACATGCCCAGACAACACTTCGATAT
GGCTCAGCCTGCATTTCTGCGCATTGCCCAGTACCGCGTGGGTATTGTGCCTGTAC
TGTACAGAAGAGCTGCGTGCAGGAGGAGTGGGGGAATGCACTTCACCATGAATG
GGCACAAGTTCCACAACCTTGTCCTCATTTCAAACGTAGGTGGCGATGGAAATAT
CCGAGCAGTGAAAATCAGAGGATCAAAGACTGGGTGGCAGCCGATGTGGCGCAA
CTGGGGTCAGAACTGGCAATTCAGCAGTAACTTGTTCGGGCAGAGTCTCTCATTT
ATGGTCACTACAGGAGATGGCCGCACGGTGACTAGCATGAATGTTGTCCCACCGT
TTTGGAAGTATGGGCAGACTTTTCAAGGGTTGCAGTTCTGA

Nucleotide

>PpEXPA-17

CCGCCCCCGCCATCTCCACAGAAATTCACTCTCCCCTTCAGCCGCCTTCATGATCA
TGCACTAGCTTTGCGCTTCGACCACTACCGTCTTTTTTCTTTTTTCTTTTTCTTTTCC
AATTTCACACCCCTATGATTTTAATTTCGGAACATTTTTCTCCTTCGTCTGAGTTGT

CTCAAGCCTGAAAGTTTATCTAGCCTCCATTTAGTTTGTGAGTGATCATCGCGGTC
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CAACCTCCTGTTCCTACCCGCGCAATTCGTGTTTTCGATGGCCTTTCTCGTGCAAG
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