

IDENTIFICATION

Species: *Marchantia polymorpha*

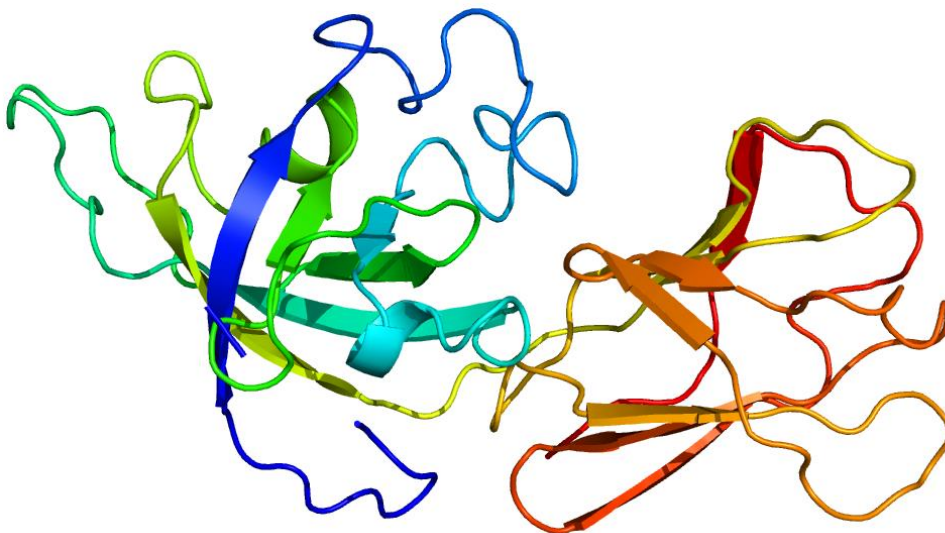
Locus: Mapoly0061s0082

Gene Model: Mapoly0061s0082.1.p

Description: MpoEXPA-15

Family: Alpha Expansin

3D structure:



GENOME DATABASES

Phytozome: https://phytozome-next.jgi.doe.gov/info/Mpolymorpha_v3_1

KEGG:-

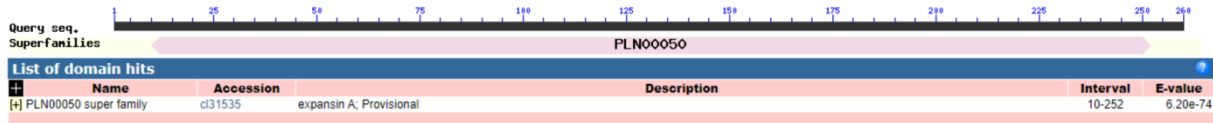
EXTERNAL RESOURCES

<https://marchantia.info/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>MpoEXPA-15

MRNMAAVRRMEIIGVTIMLMILKRVELAAGEAYAVSRTTFGDATATFYGGNDAAGT
AGGSCGYENPFTRGYGVTTVALSNSLLSNNLNCGACFEVKCKYTASAYTKKWCYNN
KSVVVTATNLSPPGLNGEHHFDLTYPMFTKISNMIAGRIPIQYRRVPCKKQGGIKFTL
NGNPYFNLVLVYNVGGAGNVYAMSMKGSKSDWYPMARNWGQNWQAMVRLTGQ
SLSFRVTLGNKGTQTFNSVAAADWKFGQTYQASSNFY*

CDS (coding sequence)

>MpoEXPA-15

ATGAGAAACATGGCAGCTGTCCGAAGAATGGAGATTATCGGGGTGACTATTATGT
TGATGATTCTGAAGAGGGTTGAGCTGGCAGCTGGAGAGGCATACGCTGTCAGTCG
TACAACGTTTGGAGATGCAACCGCAACCTTCTATGGAGGAAATGATGCCGCTGGC
ACGGCAGGTGGGTCTTGTGGGTACGAAAACCCCTTCACCAGAGGATATGGTGTC
CCACAGTAGCCCTTAGCAATAGTTTACTCTCTAATAATCTGAACTGCGGAGCGTG
CTTCGAGGTCAAATGCAAATACACCGCTTCGGCTTACACCAAGAAGTGGTGCTAT
AACAACAAGTCGGTCGTCGTCACCGCCACTAACTTGAGCCCTCCTGGTCTTAACG
GAGAGCATCATTTGACTTGACTTACCCCATGTTTACCAAGATCTCCAACATGATT
GCTGGTCGTATCCCGATCCAGTACCGAAGGGTGCCTTGCAAGAAGCAAGGAGGC
ATAAAGTTCACGCTGAACGGGAACCCCTACTTCAATCTGGTGCTGGTCTACAACG
TGGGGGGTGTGGAAATGTTTACGCCATGTCAATGAAGGGCTCCAAGAGCGACT
GGTACCCCATGGCGAGGAAGTGGGGCCAGAACTGGCAGGCGATGGTGAGGCTGA
CGGGACAGAGCCTGTCTTCCGCGTCACCCTGGGCAACGGCAAGACGCAGACTTT
CTCCAACGTCGCGGCAGCCGACTGGAAATTTGGTCAGACGTACCAAGCTTCCAGC
AACTTCTATTGA

Nucleotide

>MpoEXPA-15

TCACCACTCCACTTTGCGGGTTTTCTTGGGTTGTCTCTTTCAGGAGAAGTAGCTCG
GTCACAAGGTTTTTGTCTCATTCCGGTTCGAACTGACATGAGGTACACCTCTATTG
TTCTTGGGTTCTGTCCGATCTCATGCCCACTTTCTCGATCGATGTGCATGCCACA
CAAGTTTGGTCCATGCCATTGAGTAGATCGAGGATTTACTGTTTAAAAGGTCTA
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TCAGAAGATCTAAAATTCCATGCATGATGTGAAAGATATGGAACAACGAGACAC
TGATACGAATCGGATGCGAGATCTTGCAATGAGACACAGAAGATCTGACAAATT
GCGCCTCCTCTCGGTTGAATGCAACAGGTGGGTCTTGTGGGTACGAAAACCCCTT
CACCAGAGGATATGGTGTACCACAGTAGCCCTTAGCAATAGTTTACTCTCTAAT
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CGATGACGATGACCGTCTTTTGTACAGAGTGAGATTGATCAAGATGTTCCAGCCG
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