

IDENTIFICATION

Species: *Marchantia polymorpha*

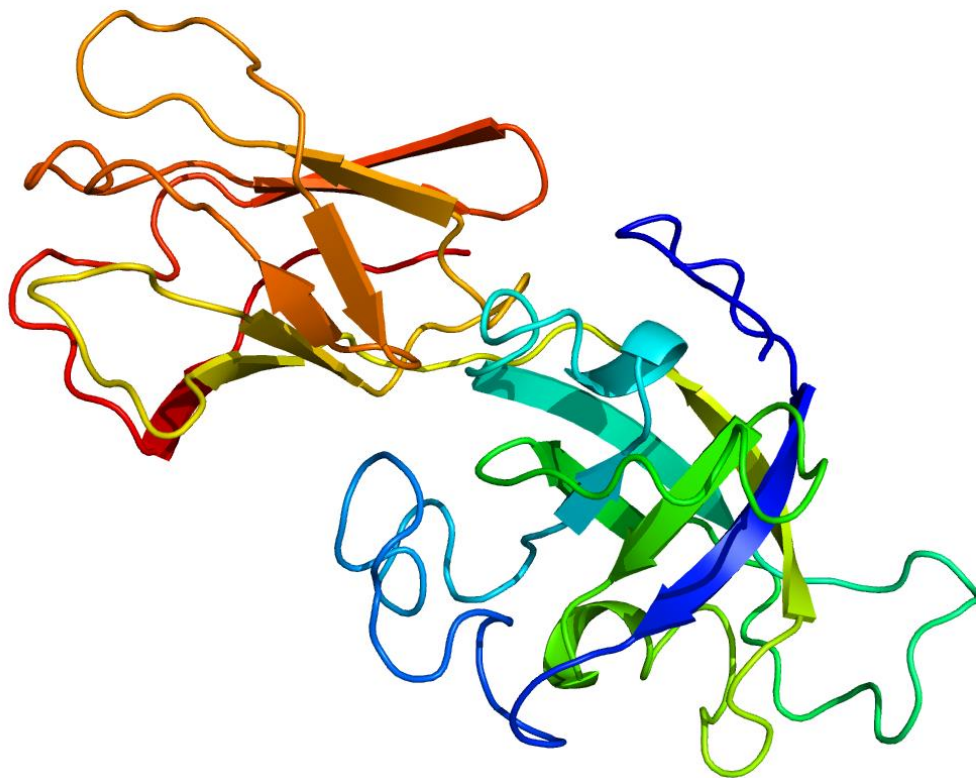
Locus: Mapoly0050s0033

Gene Model: Mapoly0050s0033.1.p

Description: MpoEXPA-09

Family: Alpha Expansin

3D structure:



GENOME DATABASES

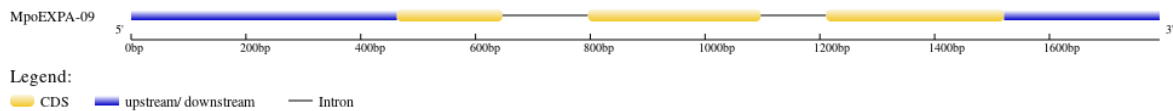
Phytozome: https://phytozome-next.jgi.doe.gov/info/Mpolymorpha_v3_1

KEGG:-

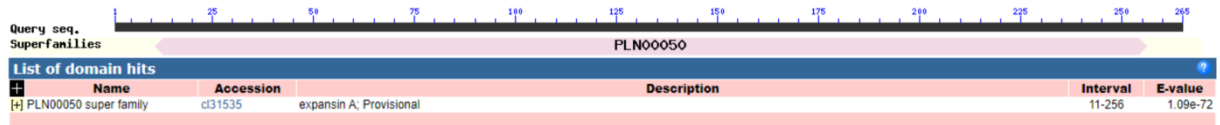
EXTERNAL RESOURCES

<https://marchantia.info/>

GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>MpoEXPA-09

MMRRVFRSGNLELLVVCVTGIIQLHNAEAYLSTESSVVSRTTFGDATATFYGGSDA
SGTQGGSCGYQNPALGYGIKTAALSNSLLANNMNCGACFEVKCKYDASA YTKKW
CYPNSPTIIVTATNQSPPLNGEHHFDLTEPMFMKIANRIGGRIPYRRVRCYKPGGI
KFTLTGNPFFNLVLVYNVGGAGNVYGMAIKGSRTDFYPMSRNWQYWQAFVKLTG
QSLTFRVTLGNGKSTTFWNVAPANWQFGQTVAATYNFY*

CDS (coding sequence)

>MpoEXPA-09

ATGATGAGGAGAGTCTTCAGATCAGGAAATTTGGAGCTGCTGGTGGTTTGTGTTA
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GTTGTAAGCCGCACAACATTTGGAGATGCAACTGCAACGTTTTATGGAGGCAGTG
ATGCCTCTGGAACACAAGGTGGGTCATGCGGCTACCAGAATCCTTTCGCTCTGGG
TTATGGTATAAAGACTGCTGCTCTCAGTAACAGCCTACTTGCCAACAATATGAAC
TGTGGAGCCTGCTTCGAGGTGAAGTGAAATATGATGCTTCAGCATAACCAAGA
AGTGGTGCTACCCCAACTACCCACGATCATCGTCACTGCCACCAATCAAAGCCC
TCCAGGCCTCAATGGGGAGCATCATTTTGACTTGACCGAGCCAATGTTTCATGAAG
ATCGCAAACAGAATCGGCGGTTCGCAATTCGAATCAATACAGAAGAGTGCCTGCT
ACAAACCAGGAGGCATCAAGTTCCTCTCACTGGAAATCCTTTTTTCAACCTCGT
CCTCGTTTACAACGTTGGAGGTGCTGGTAATGTCTACGGGATGGCAATCAAGGGA
TCCAGAACTGATTTCTACCAATGAGCAGAACTGGGGACAATATTGGCAAGCCT
TCGTGAAGCTGACGGGTCAGAGTCTGACCTTCCGCGTACGCTGGGCAATGGAAA
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GCAGCCACCTACAACCTTCTACTGA

Nucleotide

>MpoEXPA-09

TTGCTCATTATAAGTACGGATGAAACGGACAGATTTTTTCAGATTAACACAGAGTA
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GAACTGTGGAGCCTGCTTCGAGGTGAAGTGTAAATATGATGCTTCAGCATAACCC
AAGAAGTGGTGCTACCCCAACTCACCCACGATCATCGTCACTGCCACCAATCAAA
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