

## IDENTIFICATION

**Species:** *Marchantia polymorpha*

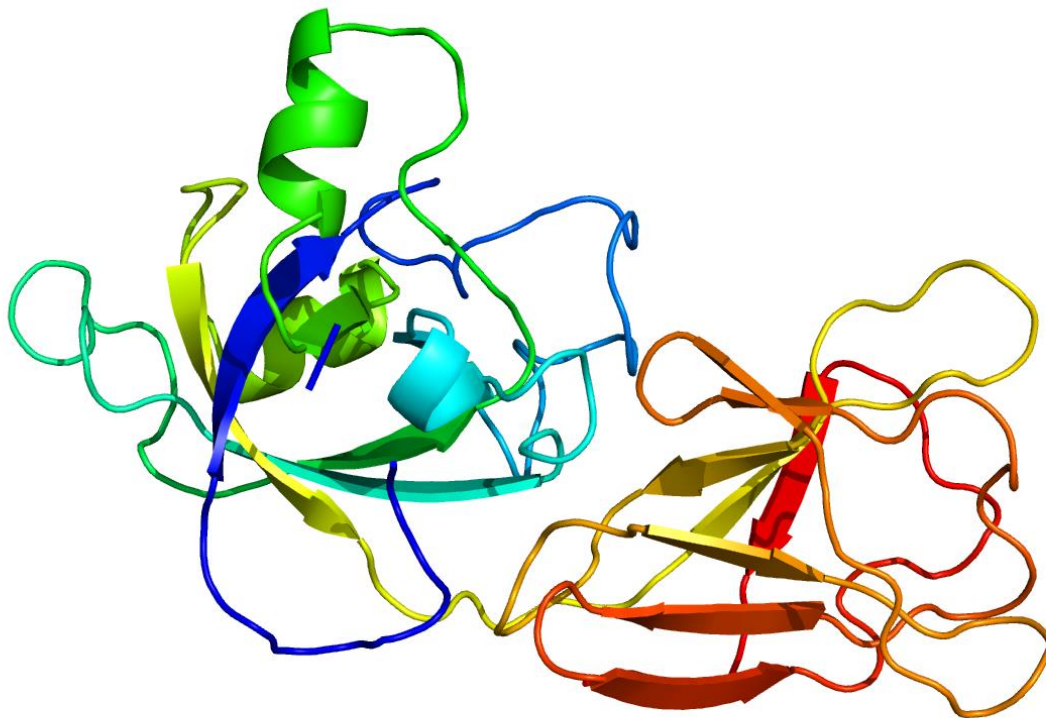
**Locus:** Mapoly0085s0011

**Gene Model:** Mapoly0085s0011.1.p

**Description:** MpoEXPA-17

**Family:** Alpha Expansin

**3D structure:**



## GENOME DATABASES

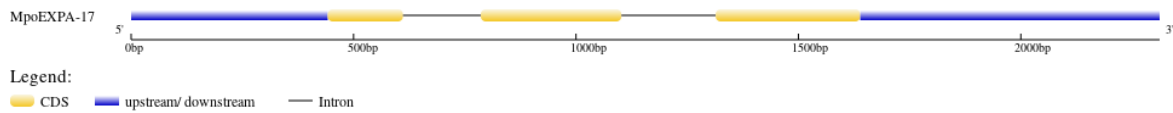
Phytozome: [https://phytozome-next.jgi.doe.gov/info/Mpolymorpha\\_v3\\_1](https://phytozome-next.jgi.doe.gov/info/Mpolymorpha_v3_1)

KEGG:-

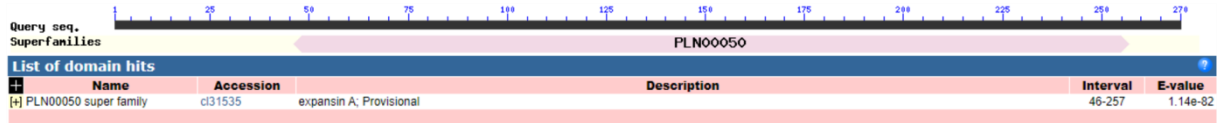
## EXTERNAL RESOURCES

<https://marchantia.info/>

## GENE STRUCTURE



## DOMAIN ARCHITECTURE



## SEQUENCES

### Peptide

>MpoEXPA-17

MTMSPKMALLSVLVTTLMLMCIQPSRVNAQGALYNATTWTNATATFYGGDDGAGT  
MGGACGYGNMFTRGYGLET AALSTVLFNNGLTGACFMLKCRLNESRWCYSNVSSI  
TISATNFCPPNLNRTTDGWCNLPRSHFDLSVKMFTTLARAVGGIIPVLYKRVPCVKTG  
GVRFTLNGNPWFNLVLISNVGGQGNVVAQMKGSKTAWFNMRQNWGQNWELGQ  
KLINQTLFRLTLGLGQTLTFNNLTPDWKFGQTWEADTNFPASISR\*

### CDS (coding sequence)

>MpoEXPA-17

ATGACTATGTCACCTAAAATGGCTCTGTTGAGCGTTCTGGTGACCACACTGATGC  
TTATGTGCATCCAGCCGAGTCGTGTGAATGCACAAGGTGCACTTTACAACGCGAC  
CACTTGGACCAATGCGACTGCCACGTTCTATGGTGGAGACGATGGAGCTGGGACA  
ATGGGAGGAGCTTGTGGTTATGGAACATGTTCAACAAGAGGATACGGACTAGAA  
ACGGCTGCTCTAAGCACAGTCCTATTCAACAATGGGTAACTTGCGGAGCATGCT  
TTATGCTGAAGTGCAGGTTGAATGAGTCAAGATGGTGCTACTCCAACGTAAGCTC  
CATCACAATAAGTGCCACCAATTTTTGTCTCCCAACCTAAACAGGACAACCTGAT  
GGCTGGTGCAATCTGCCAAGATCTCACTTCGACCTGTCCGTCAAATGTTCAACA  
CACTTGCCCGAGCAGTTGGAGGCATCATCCCAGTTCTGTACAAAAGAGTGCCATG  
TGTAAGACAGGAGGAGTTCGATTCACGCTGAATGGAAACCCATGGTTTAACTT  
GTGCTCATTAGCAACGTGGGAGGGCAGGGGAATGTGGTGGCTGCTCAGATGAAA  
GGCTCTAAACTGCCTGGTTCAACATGAGGCAGAAGTGGGGTCAAACCTGGGAG  
CTCGGTCAGAAGTTGATCAACCAGACCCTCTCATTCCGACTCACGTTAGGCCTGG  
GACAACTTTGACCTTCAACAATCTGACAACGCCCGATTGGAAATTTGGGCAGAC  
GTGGGAAGCAGATACGAATTTCCCGCCTCCATCAGTAGGTAG

### Nucleotide

>MpoEXPA-17

CTTCGTCTTCTGCAGACTTAGAACTTGGCCTTGAGCTCTAGGTCTGCATCCACGTT  
TCCGTCTTCGAAATCTGCTTTGACAAAAAAGGTAGGAAAGCTAATGATCCAATGC  
CGTTCCATACATTGAAACAGGTGACATGAGTACTGATGGTATTCTGATCAAGGT  
AGCAGCCCATCAGGTTGCCAGTTTTAGGTAGAATCGTCAAGAATCAGATAGTTGT  
TCGAGTGTCTAGCCTGTAACCTACCAGCTTTTGAAGGCAAATCTATGTAACCGA  
ACGAGCTGATCCTTTGCTATCGGCTGAAGTGATGGAGACAGACAGAAGCTAAAG  
TCAGTCGACAAAGATTAAGAGTACGCGTTTTATAAGTTAGTGGTGGATTCTTCT

GTTTAGCACTCAGAATGCAGTGAAGAGTAACACTTTCTCATTGATTCTGCAGGC  
AGATGACTATGTCACCTAAAATGGCTCTGTTGAGCGTTCTGGTGACCACACTGAT  
GCTTATGTGCATCCAGCCGAGTCGTGTGAATGCACAAGGTGCACTTTACAACGCG  
ACCACTTGGACCAATGCGACTGCCACGTTCTATGGTGGAGACGATGGAGCTGGGA  
CAATGGGTGCGTTAGCTGCCACTTGGGATGGCCCAATGCCAAGTTCCTGAGTGT  
CAAAGACTAGGCGTAATAATTTGCATGTCGCATACCATATATCCAATAGGAGAA  
CTGCAAATAAGATTCAAGTGTGTGAACATGCGTGTGAGCAAATGCTGATGCTTT  
CTCGGTATCCTTGCAGGAGGAGCTTGTGGTTATGGAAACATGTTCAACAAGAGGAT  
ACGGACTAGAAACGGCTGCTCTAAGCACAGTCCTATTCAACAATGGGTAACTTG  
CGGAGCATGCTTTATGCTGAAGTGCAGGTTGAATGAGTCAAGATGGTGCTACTCC  
AACGTAAGCTCCATCACAATAAGTGCCACCAATTTTTGTCTCCCAACCTAAACA  
GGACAACCTGATGGCTGGTGCAATCTGCCAAGATCTCACTTCGACCTGTCCGTCAA  
AATGTTCAACAACACTTGGCCGAGCAGTTGGAGGCATCATCCAGTTCTGTACAAA  
AGGTATAGTAGTTCAATTATACGGCTCATCTCTGCTCACTACGAAATTTCTGGTA  
GACTTTGGAAGAGATAAAGCGGGAGATTGAGATACTAAGGTCTGACGCTTTATCG  
GGTCAATCTTCTGATTCAACACCTTCCGAACAAATGCAGGAAGACGTGACTTTGA  
AAATGATTCCAAATCTGAACCACTTTTGTCTGCTTTTGTCTGCTGCAGAGTGCCAT  
GTGTAAAGACAGGAGGAGTTCGATTCACGCTGAATGGAAACCCATGGTTTAACT  
TGTGCTCATTAGCAACGTGGGAGGGCAGGGGAATGTGGTGGCTGCTCAGATGAA  
AGGCTCTAAACTGCCTGGTTCAACATGAGGCAGAACTGGGGTCAAACTGGGA  
GCTCGGTGAGAAGTTGATCAACCAGACCCTCTCATTCCGACTCACGTTAGGCCTG  
GGACAAACTTTGACCTTCAACAATCTGACAACGCCCGATTGGAAATTTGGGCAGA  
CGTGGGAAGCAGATACGAATTTCCCGCCTCCATCAGTAGGTAGAAACCACCGAT  
AAGCTGACGAGTTTGAAGTCTTGTGATCCAGTGGGAAAACAAGTCGAATTCACACG  
TAGCACGGTCACCGGTCACGGTTTCTGGCACCAGTAAACACCAGGAATTTACTG  
CAAGACTAGAGTGAACAAGCATTCTTGCATCATCATCGTTCTGAGTCGATTGGAA  
GGTCATTAGACTACCTAAAGTCAGCAGATGGTGGCAAGTACGCCCATATAGGTAA  
TTCAGCTGGTTTAGATTTGAATTATGCATCTTAGCATGGTGTATAATCGTGGTAG  
AAAGGCCAGCAAAAGCCTTCAACCAATCATTGGGTCCATATACCTGAACTTCG  
CTGAAGAAATCATTCTTATGTAGAGTTTAGAGGTACATGCTAGACATCAATTAGT  
TCGGAACATACGAAGTCACTTCGCAGGACGTACAAAATCATCTAATGATCTGATT  
TTGAGGCCCATGTCGTCTATGTACACATTCTTAGATGAGAGTACAACCTTAAACT  
CATTAGCTTGACGCCATGGCTTACGAATCCGGGGTATCAAAGAGCGTCATGCTCC  
ACACGGGTAGAAGTCTTGGGCCAACATTGTAATTCAGGTGCTTGAATGCAGCA  
TCAGTTTCCTTGTCTATAGAAGAATTAACTTGATTCTGAGTTTTTCTCTCCGAG